

SHARP®

多媒体投影机

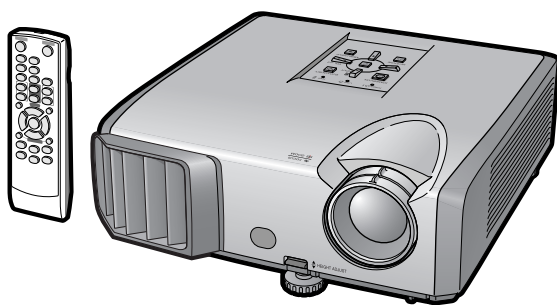
型号

XR-H825XA

XR-H825SA

XR-M825XA

使用说明书



入门

快速启动

设置

连接

基本操作

有用的功能

附录

在使用本投影机之前，务请仔细阅读本使用说明书。

入门

中文

入门

注意

- 请记下并保存好印于投影机底部的型号和产品序列号码，以备投影机遗失或被盗时报警之用。
- 在丢弃包装箱之前，请确认已按第10页之“随机附件”清单对箱内物品作了仔细的核对。

型号：

产品序列号码：

警告：



因为是高亮度光源，所以切勿凝视或直视光束。特别注意勿让儿童直接凝视光束。

警告：

为减少起火或触电的危险，请勿将投影机置于遭受雨淋或受潮气侵袭之处。

注意

因为有触电之危险，
所以除专门指定供用户保养螺钉之外，请勿拆卸其他螺钉。

注意：为减少触电的危险，请勿卸下罩壳。
除灯泡组件之外，无用户可以自行修理之部件。
请委托获得修理资格之专业人员进行修理。



等边三角形中一端有箭头之闪电标记，
用于警示用户，表示产品外壳内有足以
使人产生触电危险之裸露的“危险电压”。



三角形中之惊叹号标记，用于警示用户，
表示该处有关于本产品之重要操作
或维护（修理）的有关指示说明。

关于本产品之处置

本产品使用铅锡合金之焊锡，以及含有少量水银之灯泡。出于环境保护之考虑，这些器材之处置应遵守规定。关于处置或回收之资料，请垂询当地主管部门。

有关灯泡更换的注意事项

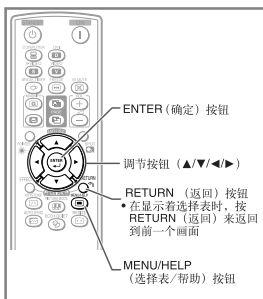
请参阅第52页之“更换灯泡”。

本SHARP牌投影机使用DLP® 芯片。这个非常精密的显示屏包含了786,432 (XR-H825XA/XR-M825XA)/480,000 (XR-H825SA)个像素（微反射镜）。与任何大屏幕电视机、视频系统和摄像机等高新技术电子设备一样，都有该设备必须满足的某个可接受的公差。本设备有一些在可接受的公差范围内的坏像素，使图像画面出现坏点。这并不影响图像的质量或本设备的使用寿命。

产品中有毒有害物质或元素的名称及含量

| 部件名称 | 有毒有害物质或元素 | | | | | |
|---|-----------|--------|--------|--------------|------------|--------------|
| | 铅 (Pb) | 汞 (Hg) | 镉 (Cd) | 六价铬 (Cr(VI)) | 多溴联苯 (PBB) | 多溴二苯醚 (PBDE) |
| 印刷电路板 | × | ○ | ○ | ○ | ○ | ○ |
| 机壳 | ○ | ○ | ○ | ○ | ○ | ○ |
| DMD面板 | ○ | ○ | ○ | ○ | ○ | ○ |
| 液晶显示面板 | ○ | ○ | ○ | ○ | ○ | ○ |
| 灯 | ○ | × | ○ | ○ | ○ | ○ |
| 光学发动机 | ○ | ○ | ○ | ○ | ○ | ○ |
| 其他配件 | × | ○ | ○ | ○ | ○ | ○ |
| <p>○：表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006 标准规定的限量要求以下。</p> <p>×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006 标准规定的限量要求。</p> <p>本表中以「×」所表示的物质，属于「欧盟2003年2月RoHS指令」中指出的以现在的科学观点来看该物质的去除或替代在技术上被认为是不可行的、且属于有关限制特定有害物质含有量的中华人民共和国（除台湾、香港和澳门外）「电子信息产品污染控制重点管理目录」对象产品以外的物质。</p> <div><div><div>10</div></div><p>本标志中的年数,是根据 2006 年 2 月 28 日公布的「电子信息产品污染控制管理办法」和SJ/T 11364-2006「电子信息产品污染控制标识要求」,适用于在中华人民共和国（除台湾、香港和澳门外）生产或进口的电子信息产品的「环保使用期限」。</p><p>在遵守使用说明书中记载的有关本产品安全和使用上的注意事项、且没有其他法律、规定的免责事由的情况下,在从生产日开始的上述年限内,产品中的有毒、有害物质或元素不会发生外泄或突变,使用该产品不会对环境造成严重污染或对使用者人身、财产造成严重损害。</p><p>「环保使用期限」不是安全使用期限。尤其不同于基于电气性能安全、电磁安全等因素而被限定的使用期限。</p><p>产品在适当地使用后予以废弃时,希望依照有关电子信息产品的回收·再利用的法律·规定进行处理。</p><p>注):该年限为「环保使用期限」,不是产品的质量保证期限。</p><p>灯、电池、墨粉盒等附属品和产品一同包装的,产品和附属品的环保使用期限可能不同。</p></div> | | | | | | |

- ## 使用选择表画面



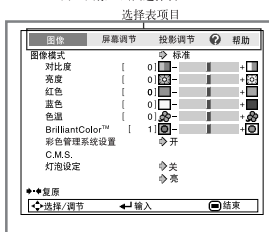
本操作中使用的按钮

举例：调节“亮度”

- 举例：用于COMPUTER（电脑）（RGB）输入的“图像”画面选择表

本操作步骤使用的按钮

2 按▶或◀，并选择“图像”来进行调节。



屏幕显示

38

 **注**指示关于设置和操作投影机的附加信息。

用作将来参考

保养

故障排除

索引

➡ 第49页

➡ 第63和64页

➡ 第67页

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使用

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重要的安全措施

注意： 在操作本机之前请通读这些指示，并保存这些指示以备以后使用。

电力本身具有多种用途。尽管在设计制造本投影机的过程中，为阁下的安全做了种种考虑。但是，使用不当仍可能会导致电击或火灾。为使本投影机的安全措施免遭失效，在安装、使用与修理时，请遵守以下基本规定。

1. 阅读指示

在操作本投影机之前，应阅读全部关于安全与操作之指示。

2. 保管指示

应将安全与操作之指示妥为保管以备后用。

3. 留意警告事项

投影机上与操作指示中的警告事项特别要首先遵守。

4. 遵照指示

要遵照所有的操作与使用指示来进行运作。

5. 清扫

在清扫之前，要将本机之电源插头从电源插座中拔出。切勿使用液体清洁剂或喷雾清洁剂，请用湿布来擦拭。

6. 附件

请勿使用非本产品制造商所推荐之附件，否则可能会产生危险。

7. 水与潮湿

勿在靠近有水之处或潮湿环境中使用本投影机，例如靠近浴缸、洗涤槽、厨房水池、或洗衣盆等，或在潮湿的地下室中，或在游泳池附近，或与此类似的地方。

8. 其他附属品

勿将本投影机置于不稳定的推车、座架、三脚架、托架或桌子上，以防投影机倒下，严重伤害儿童或成人、并且使投影机本身严重毁损。只能使用由制造商推荐、或与本投影机一起出售之推车、座架、三脚架、托架、或桌子。本投影机之任何方式安装，都必须遵守制造商之指示，并且使用制造商所推荐之安装附属品。

9. 搬运

在移动投影机与推车的整体组合时，务必十分小心。突然的急停、过度用力、以及不平坦的地面都有使投影机与推车的整体组合翻倒的危险。



10. 通风

机壳上之缝隙与洞孔为通风之用，以确保投影机可靠运行、并防止投影机内部过热。切勿将投影机置于床、沙发、地毯、或其他类似物品上面而使这些散热孔被覆盖或堵塞。除非另有良好通风、或已经遵照了制造商之专门指示，否则本投影机不可放置于类似书柜或机器架子等封闭的箱柜内。

11. 电源

本投影机只能使用说明标签上所规定类型之电源。如果不清楚房间里的电源种类，请问问本投影机之经销商或当地电力公司。如果要想用电池或其他电源来运行本投影机，则请参阅相应之运行指示。

12. 接地线与极性

本机配备有下列几种插头之一。如果插头不能插入电源插座，请与电工联系。请勿忽视插头的安全作用。

- a. 两线插头（主线）。
- b. 带接地端的三线接地型插头（主线）。这种插头只能插入接地型的电源插座。

13. 保护电源线

勿将电源线置于易受行人践踏或易被物品挤压之处，特别要注意电源插头、电源插座处之电线、以及从投影机引出电线之处。

14. 雷电

为了在打雷闪电时、或长期无人照应时、或长期不使用时更好保护本投影机，在这些情况下请将电源插头从电源插座中拔出，断开电源线。这样可以防止由于雷电或电源电压涌动而导致投影机损坏。

15. 过负荷

勿使墙上的电源插座、延长电线、拖线板插座超过负荷，否则可能会有火灾或电击之危险。

16. 物体或液体之侵入

决不可让任何物件从散热孔进入投影机内，因为进入机内之物件可能触及危险电压或使零件短路，由此引起电击或火灾。也决不可让任何液体溅落到投影机上。

17. 修理

不要试图自行修理本投影机，因为开启或卸下投影机罩壳会使阁下暴露于危险电压或其他危害之中。应请专业人员来检修。

18. 当损坏需要修理时

如果发生如下情况，请拔下投影机之电源插头，并委托具有修理资格之专业技师进行修理：

- 如果电源线或电源插头损坏。
- 如果有液体已经溅落到投影机，或有物件已经落入投影机内。
- 如果投影机已经被雨淋或水浇。
- 如果按照操作指示进行操作后投影机仍然不能正常运作。请仅仅调校操作指示所述之操控零件。因为如果不适当地调校了其他操控零件，就可能损坏投影机，从而常常要请具有修理资格之专业技师耗费更多时间来将投影机恢复正常运行。
- 如果投影机以任何方式跌落或破损。
- 如果投影机之性能出现明显异常，则表示需要修理了。

19. 更换零件

当有零件需要更换时，请确认修理人员已经使用制造商所规定之更换零件、或与原来零件具有同样性能之零件进行了更换。未经认可的代用品可能会造成火灾、电击或其他危险的后果。

20. 安全检查

本投影机进行了任何修理之后，请要求修理技师进行安全检查，以确认本投影机具有正常之运行条件。

21. 墙上安装或天花板上安装

根据制造商的推荐，本机只能安装在墙上或天花板上。

22. 热源

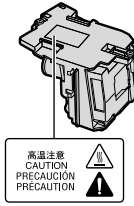
本投影机之安置位置须远离热源，如取暖器、热记录器、火炉、或其他发热物件（包括扩音机）。

- DLP®和DLP标记是德州仪器公司(Texas Instruments)的注册商标。
- Microsoft®和Windows®是微软公司(Microsoft Corporation)在美国以及（或者）其他国家的注册商标。
- PC/AT是国际商用机器公司(International Business Machines Corporation)在美国的注册商标。
- Adobe® Reader®是美国Adobe公司(Adobe Systems Incorporated)的商标。
- Macintosh®是苹果电脑公司(Apple Computer, Inc.)在美国以及（或者）其他国家的注册商标。
- 所有其他的公司或产品名称分别是相应公司的商标或注册商标。
- 本机中的某些IC芯片包含机密和/或商业秘密，所有权属于Texas Instruments（德州仪器公司）。因此您不能复制、修改、改编、破译、散布、反向工程、反汇编或反编译它的内容。

在设置本投影机时，请遵守以下安全措施。

关于灯泡组件的注意事项

- 如果灯泡破裂，则可能产生玻璃碎片。万一灯泡破裂，请与就近SHARP公司授权的投影机经销商或服务中心接洽、联系更换事宜。
请参阅第52页之“关于灯泡”。



关于投影机安装的注意事项

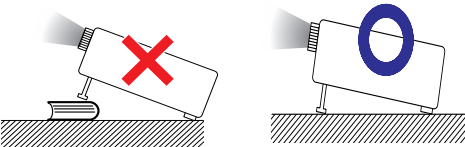
- 为尽量减少修理和保养次数、并保持高质量的影像，SHARP公司建议应避免将投影机安装在潮湿、多尘或有烟雾的地方。如果投影机处于这样的环境下，那么就必须更加频繁地清洁风口和镜头。只要定期清洁投影机，在这样的环境下使用也不会缩短投影机的使用寿命。投影机内部的清洁只能由SHARP公司授权的投影机经销商或服务中心来进行。

不要将投影机安放在阳光直射的地方或光线明亮的地方。

- 投影屏幕应放置在不受阳光或室内光线直射的地方。光线直接照在投影屏幕上会使颜色变淡，使观看困难。在阳光充足或明亮的室内安装投影屏幕时，请拉上窗帘，调暗灯光。

关于放置投影机的注意事项

- 请将投影机放置于平坦的地方，其倾斜程度须在调校脚的调节范围之内（9度）。



- 购买投影机之后，在首次打开电源时，从通风孔中可能会散发出淡淡的气味。这是正常现象，并非故障。在投影机经过一段时间使用之后，这种气味就会消失。

在高山等海拔甚高之处使用本投影机时（在海拔约为1,500米或更高的地方）

- 在空气稀薄之高海拔地区使用本投影机时，请将“风扇模式”设置为“高”。否则会影响光学系统之使用寿命。

关于投影机放置在高处部位的警告

- 当投影机放置在高处部位时，必须注意小心地固定，防止投影机跌落造成人身伤害事故。

勿使投影机遭受强烈冲击和（或）震动。

- 要保护镜头，勿使其表面受到碰撞或损伤。

须偶尔让眼睛休息一下。

- 长时间连续观看投影屏幕会使眼睛疲劳。请务必让眼睛偶尔休息一下。

避免置于温度极高之处。

- 投影机的工作温度为+5℃～+35℃。
- 投影机的存放温度为-20℃～+60℃。

请勿堵塞排风口和进风口。

- 排风口与最靠近的墙或物体之间至少应留出30厘米的距离。
- 请务必确认进风口和排风口未被堵塞。
- 如果冷却风扇出现故障，那么保护电路就会自动使投影机进入待机模式，防止造成过热损坏。这并不表明有故障。（参阅第50和51页）
请从墙上插座中拔出投影机的电源线，并至少等待10分钟。将投影机放置于进风口与排风口不受阻挡的地方，然后重新插上电源线、并打开投影机。这样就会使投影机恢复到正常运行状态。

关于使用本投影机之注意事项

- 如果打算长时间不使用投影机，或者在搬移投

影机之前，请务必先将电源插头从电源插座中拔出，并将连接到本机之其他所有电线全部卸下。

- 如果在冷却风扇仍在运转时拔出了电源插头，那么投影机的某些部位可能仍然很热。所以，在搬动投影机时务必多加小心。
- 切勿抓握镜头来搬运投影机。
- 存放投影机时，务必将镜头盖装到在投影机上。（参阅第11页）
- 勿使投影机受到阳光直射或将其置于热源近旁，否则会使机壳颜色改变或导致塑胶盖子变形。

其他连接的设备


- 当要将电脑或其他音像设备连接到投影机上时，请先从交流电源插座中拔出投影机的电源线，关闭要连接的设备的电源，然后再进行连接。
- 有关如何进行连接的事项，请参阅投影机和将要连接的设备的使用说明书。

在其他国家使用本投影机

- 使用投影机所在的地区或国家不同，电源电压

和插头形状可能会有不同。在海外使用本投影机时，请务必根据所在国家选用合适的电源线。

温度监视功能

- 如果由于安装问题或通风口堵塞而使投影机变得过热，“”和“温度”就会在图像的左



下角点亮。如果温度继续上升，那么灯泡将会关闭，投影机上的温度警告指示灯就会闪烁，经过60秒钟的冷却时间之后，投影机就会进入待机模式。详情请参阅第50页“保养指示灯”一节。

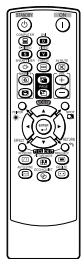


资料

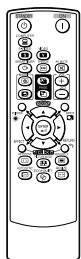
- 冷却风扇调节内部温度，其运行是自动控制的。在投影机运行时，由于风扇速度变化，风扇的声音可能会有变化。这并不表示有故障。

附件

随机附件



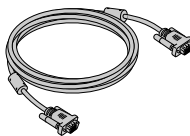
用于XR-H825XA



用于XR-H825SA/
XR-M825XA



2枚R-6电池
(“AA”尺寸, UM/SUM-3,
HP-7或同类产品)

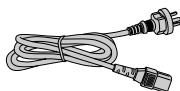


RGB电缆
3.0m



镜头盖 (装于镜头上)

电源线*



1.8m

* 请使用与所在国家墙上插座相符的电源线。

● 使用说明书 (本使用说明书)

选购附件

- | | |
|---------------------------------|----------------------|
| ■ 灯泡组件 | AN-F212LP |
| ■ 天花板安装转接器 | AN-60KT |
| ■ 天花板安装单元 | AN-TK201 <用于AN-60KT> |
| | AN-TK202 <用于AN-60KT> |
| ■ 遥控接收器 | AN-MR2 |
| ■ 3个RCA插头到15针微型D-sub插头电缆(3.0 m) | AN-C3CP2 |
| ■ DIN-D-sub RS-232C转接头 (15 cm) | AN-A1RS |



注

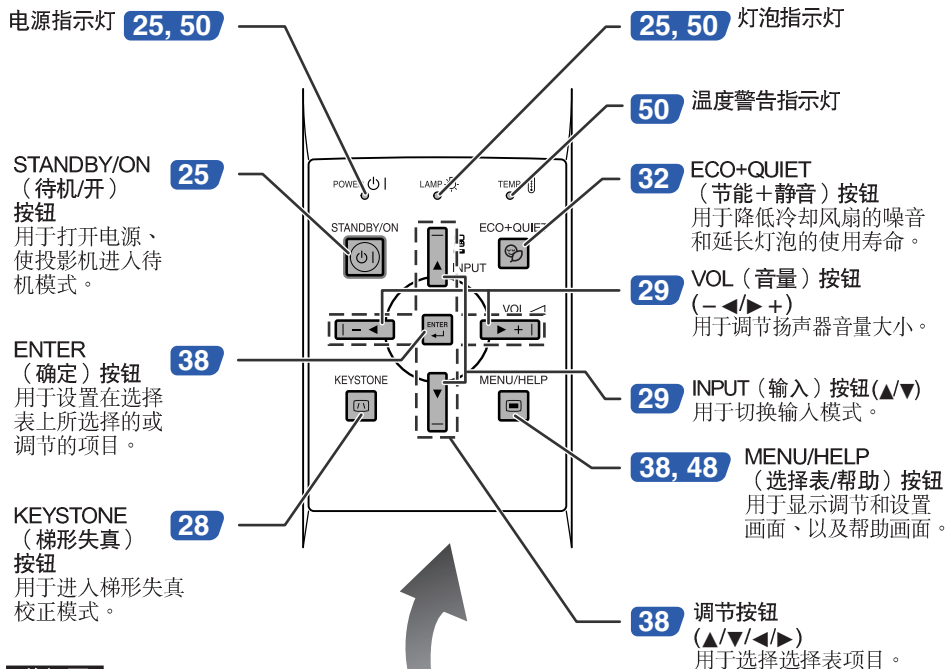
● 在某些地区可能买不到某些选购附件。请与就近SHARP公司授权的投影机经销商或服务中心接洽。

部件名称与功能

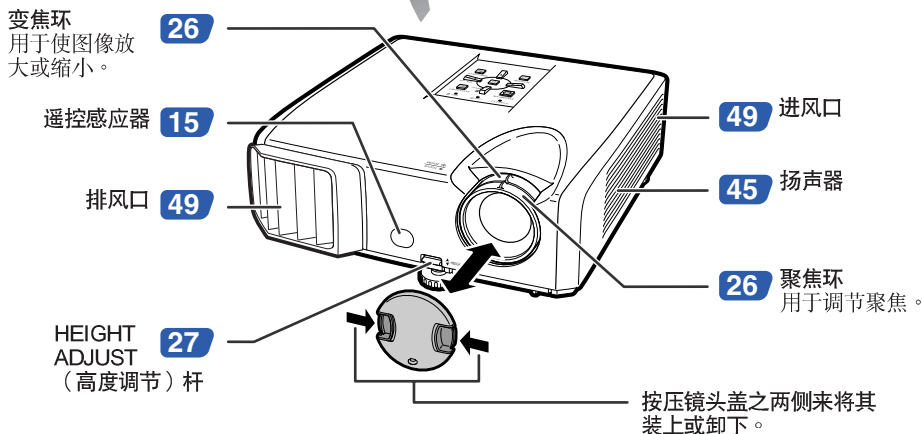
中的数字是本说明书中解释该主题的主要页码。

投影机

顶视图



前视图



部件名称与功能（续）

中的数字是本说明书中解释该主题的主要页码。

后视图

端子

*AUDIO（音频）1输入端子

COMPUTER/COMPONENT（电脑/色差信号）输入端子
用于电脑RGB信号和色差信号的端子。

*DVI-D 输入端子

用于输入DVI数码RGB信号和色差信号。

*AUDIO OUT（音频输出）端子

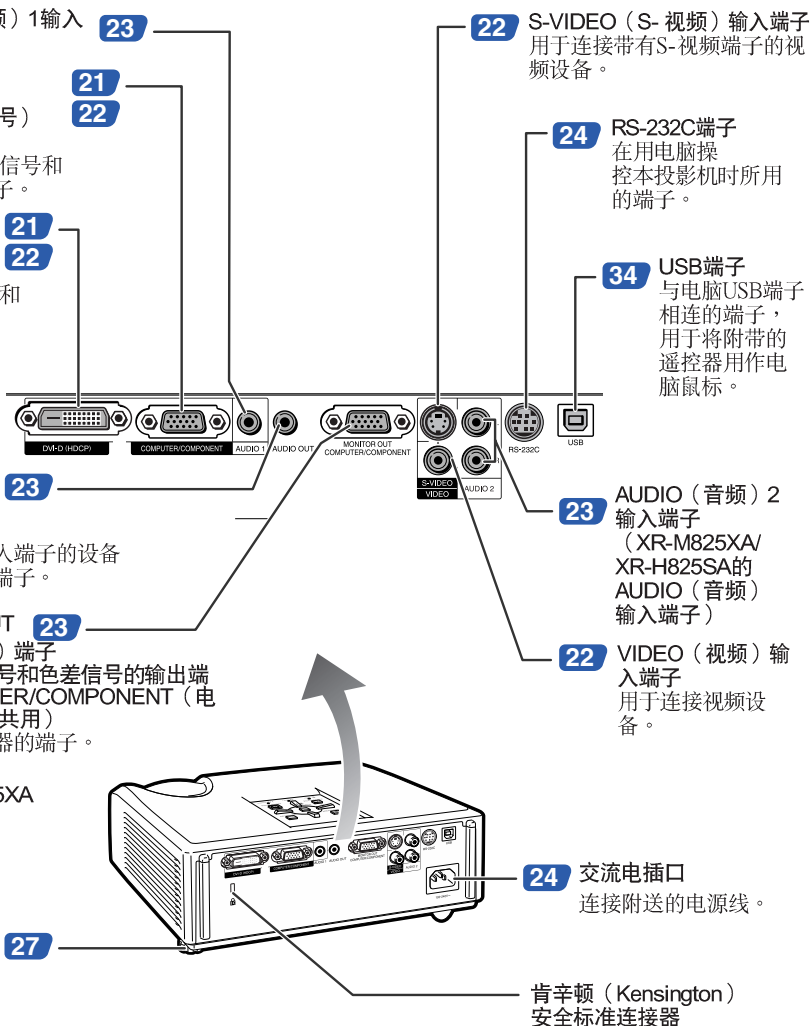
连接到音频输入端子的设备上的音频输出端子。

MONITOR OUT（监视器输出）端子

（电脑RGB信号和色差信号的输出端子。COMPUTER/COMPONENT（电脑/色差信号）共用）
用于连接监视器的端子。

*仅限XR-H825XA

后调校脚



使用肯辛顿（Kensington）锁

- 本机有一个与“肯辛顿微救助安全系统”（Kensington MicroSaver Security System）组合使用的肯辛顿（Kensington）安全标准连接器。关于使用该系统来确保投影机安全的使用说明，请参阅随同该系统一起提供的信息。

STANDBY (待机) 按钮

用于将投影机进入待机模式。

COMPUTER (电脑), *DVI, S-VIDEO (S-视频), VIDEO (视频) 按钮

用于切换到相应的输入模式。

BREAK TIMER (暂停定时器) 按钮

用于显示出中断时间。

MAGNIFY (放大) 按钮

用于放大 / 缩小图像的某个部分。

PAGE UP/PAGE DOWN (上翻页/下翻页) 按钮

(使用USB接线或选购的遥控接收器) 进行USB连接时, 与电脑键盘上[Page Down] 和[Page Up] 钮的作用相同。

POINTER (指标) 按钮

用于显示指标。

MOUSE (鼠标) / 调节按钮(▲/▼/◀/▶)

- (使用USB接线或选购的遥控接收器) 进行USB连接时, 用于移动电脑游标。
- 用于选择和调节选择表项目。

L-CLICK/EFFECT (鼠标左键/效果) 按钮

- (使用USB接线或选购的遥控接收器) 进行USB连接时, 用作鼠标左键。
- 用于更改指标和聚光区域。

KEystone (梯形失真) 按钮

用于进入梯形失真校正模式。

AUTO SYNC (自动同步) 按钮

在与电脑连接时, 用于自动调节影像。

ECO+QUIET (节能+静音) 按钮

用于降低冷却风扇的噪音和延长灯泡的使用寿命。

ON (开) 按钮

用于打开电源。

FREEZE (静止) 按钮

用于使影像静止。

AV MUTE (音像消音) 按钮

用于暂时显示黑屏幕并关闭声音。

VOL +/- (音量) 按钮

用于调节扬声器音量大小。

SPOT (聚光) 按钮

用于显示聚光灯。

ENTER (确定) 按钮

用于设置在选择表上所选择的或调节的项目。

R-CLICK/RETURN (鼠标右键/返回) 按钮

- (使用USB接线或选购的遥控接收器) 进行USB连接时, 用作鼠标右键。
- 在操作选择表时用于返回到前一个选择画面。

MENU/HELP (选择表/帮助) 按钮

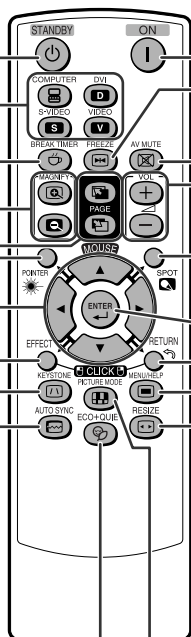
用于显示调节和设置画面、以及帮助画面。

RESIZE (改变尺寸) 按钮

用于切换屏幕尺寸 (正常、边框等)。

PICTURE MODE (图像模式) 按钮

用于选择合适的图像。

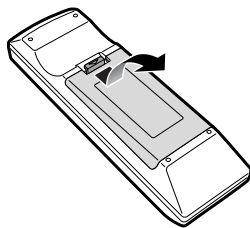


*仅限XR-H825XA

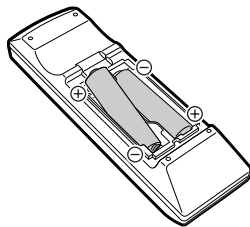
部件名称与功能（续）

插入电池

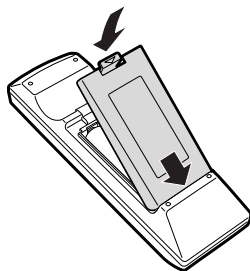
- 1** 按盖子上的凸起并沿箭头方向取下盖子。



- 2** 插入电池。
- 插入电池，要确保电池的极性与电池舱内的⊕和⊖标记一致。



- 3** 将盖子的下部凸起插入开口，然后压低盖子直至其发出喀嗒一声到位。



若电池使用不当则会导致漏液或爆炸，故请遵守下述注意事项。



注意

- 若不能正确更换电池，则可能引起爆炸。
只能用碱性电池或锰电池进行更换。
- 插入电池，要确保电池的极性与电池舱内的⊕和⊖标记一致。
- 不同类型的电池有不同的特性，因此不可将不同类型的电池混合使用。
- 请勿将新电池与旧电池混合使用。
否则可能会缩短新电池的使用寿命，或使旧电池漏液。
- 电池电量耗尽之后请将其从遥控器中取出，因为将耗尽之电池留在其中会导致电池漏液。
从电池中漏出之液体对皮肤有害，因此必须用布先擦拭，然后再将其去除干净。
- 根据保存情况不同，本投影机附属之电池可能会在短期内耗尽。请务必尽快用新电池进行替换。
- 如果将在较长时期内不使用遥控器，那么请将电池从遥控器内取出。
- 在丢弃已耗尽之电池时，请遵守当地政府之有关规定（法令）。

废 电 池 请 回 收

遥控器的有效范围

在如图所示的范围内，可用遥控器来控制投影机。

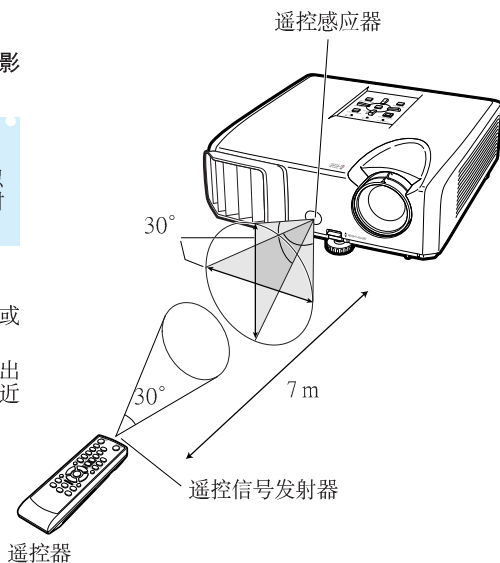


注

- 从遥控器发射的信号能从屏幕上反射回来，以便操作。但信号的有效距离可能会由于屏幕材料不同而有所不同。

在使用遥控器时

- 务必不能使遥控器跌落、或将其置于潮湿或高温之处。
- 在荧光灯下遥控器可能会产生故障。如果出现这种情况，那么请将投影机从荧光灯附近移开。

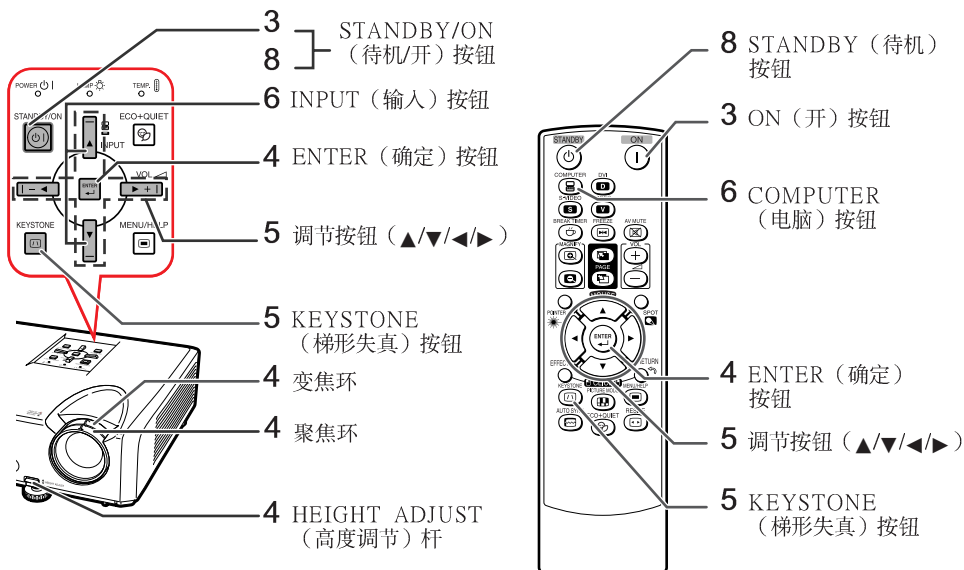


快速启动

本节对基本操作进行说明（投影机与电脑连接）。详情请参阅下面对于各步骤进行说明的页码。

设置与投射

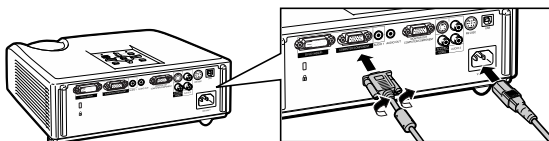
本节举例说明投影机与电脑的连接。



1. 将投影机面朝墙或屏幕放置

➔第18页

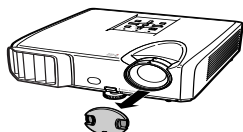
2. 将投影机连接到电脑上，并将电源线插入投影机上的交流电插口中



当连接电脑以外的其他设备时，请参阅第22和23页。

➔第21, 24页

3. 卸下镜头盖，并打开投影机电源



在投影机上 在遥控器上



➔第25页

4. 用设置指南来调节投射的影像

- 1 打开投影机电源之后，就会显示出设置指南。（当“设置指南”设置为“开”时。参阅第 44 页）
- 2 按照设置指南中的步骤，调节聚焦、高度（角度）、以及画面尺寸。
- 3 在调节聚焦、高度（角度）和画面尺寸之后，请按**ENTER**（确定）来结束设置指南。

➔ 第26, 27页

5. 校正梯形失真

用梯形失真校正功能来校正梯形失真。

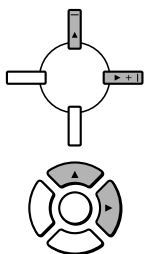
在投影机上

KEystone

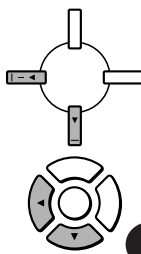


在遥控器上

KEystone



压缩上面



➔ 第28页

6. 选择INPUT（输入）模式

用投影机上的**INPUT**（输入）按钮或遥控器上的**COMPUTER**（电脑）按钮，选择“COMPUTER”。

在投影机上



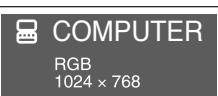
在遥控器上



输入清单



屏幕显示 (RGB)



- 按投影机上的**INPUT**（输入）按钮时，便会出现输入清单。
按▲/▼切换INPUT（输入）模式。

*仅限XR-H825XA

➔ 第29页

7. 打开电脑的电

8. 关闭投影机电源

按下投影机上的**STANDBY/ON**（待机/开）按钮或遥控器上的**STANDBY**（待机）按钮，然后在显示出确认消息时再一次按下该按钮，来使投影机进入待机模式。

在投影机上

STANDBY/ON



在遥控器上

STANDBY



屏幕显示

进入待机模式？

是：再按一次

否：请等待

➔ 第25页

设置投影机

设置投影机

为获得最佳影像，请将投影机置于与屏幕垂直的位置，投影机的搁脚要放在水平且平坦之处。这样设置，就不再需要进行梯形失真校正，并得到最佳之影像品质。（参阅第28页）

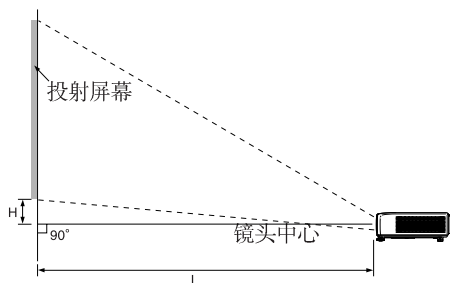
标准设置（前面投射）

- 根据想要的图像尺寸，将投影机放置在离开投射屏幕所需距离的地方。（参阅第20页）



标准设置举例

侧视图

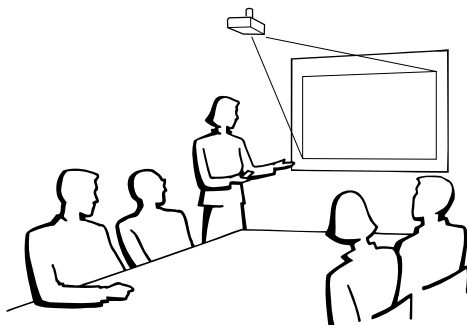


注

- 关于“屏幕尺寸和投射距离”的其他资讯，请参阅第20页。

安装于天花板上时的设置

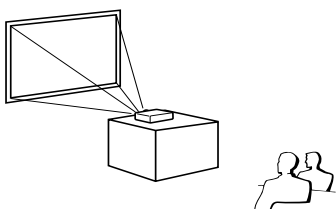
- 如果安装于天花板上，那么建议使用选购之SHARP天花板安装转接器及天花板安装单元。在安装投影机之前，请与就近SHARP公司授权的投影机经销商或服务中心接洽，以获取所推荐之天花板安装转接器及天花板安装单元（单独出售）。



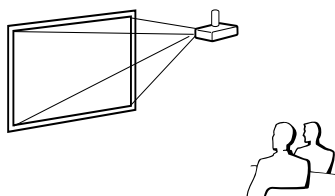
投影模式

投影机可使用下图所示4种投影模式中之任意一种。请选择最符合所用的投射设置之模式。（可以在“屏幕调节”选择表中设置“投影”模式。请参阅第44页。）

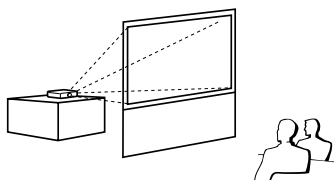
- 安装于桌面上，前面投射
[选择表项目→“前面”]



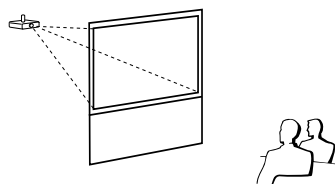
- 安装于天花板上，前面投射
[选择表项目→“天花板+前面”]



- 安装于桌面上，后面投射
（使用半透明屏幕）
[选择表项目→“后面”]

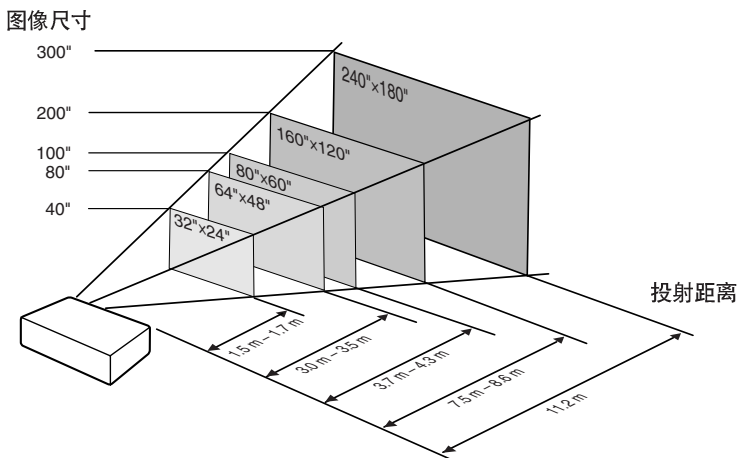


- 安装于天花板上，后面投射
（使用半透明屏幕）
[选择表项目→“天花板+后面”]



投射影像尺寸与投射距离关系的表示

举例：正常模式（4:3）



设置投影机（续）

屏幕尺寸和投射距离

NORMAL（正常）模式（4:3）

| 图像（投射屏幕）尺寸 | | | 投射距离 [L] | | 镜头中心到影像底部的距离 [H] |
|---------------|---------------|---------------|------------------|-----------------|---|
| 对角线 [χ] | 宽度 | 高度 | 最近 [L1] | 最远 [L2] | |
| 300" (762 cm) | 610 cm (240") | 457 cm (180") | 11.2 m (36' 10") | — | 19 cm (7 ⁹ / ₁₆ ") |
| 250" (635 cm) | 508 cm (200") | 381 cm (150") | 9.4 m (30' 9") | 10.8 m (35' 5") | 16 cm (6 ¹⁹ / ₆₄ ") |
| 200" (508 cm) | 406 cm (160") | 305 cm (120") | 7.5 m (24' 7") | 8.6 m (28' 4") | 13 cm (5 ³ / ₆₄ ") |
| 150" (381 cm) | 305 cm (120") | 229 cm (90") | 5.6 m (18' 5") | 6.5 m (21' 3") | 10 cm (3 ²⁵ / ₃₂ ") |
| 120" (305 cm) | 244 cm (96") | 183 cm (72") | 4.5 m (14' 9") | 5.2 m (17' 0") | 8 cm (3 ¹ / ₃₂ ") |
| 100" (254 cm) | 203 cm (80") | 152 cm (60") | 3.7 m (12' 3") | 4.3 m (14' 2") | 6 cm (2 ³ / ₆₄ ") |
| 80" (203 cm) | 163 cm (64") | 122 cm (48") | 3.0 m (9' 10") | 3.5 m (11' 4") | 5 cm (2 ¹ / ₆₄ ") |
| 70" (178 cm) | 142 cm (56") | 107 cm (42") | 2.6 m (8' 7") | 3.0 m (9' 11") | 4 cm (1 ⁴⁹ / ₆₄ ") |
| 60" (152 cm) | 122 cm (48") | 91 cm (36") | 2.2 m (7' 4") | 2.6 m (8' 6") | 4 cm (1 ³³ / ₆₄ ") |
| 40" (102 cm) | 81 cm (32") | 61 cm (24") | 1.5 m (4' 11") | 1.7 m (5' 8") | 3 cm (1 ¹ / ₆₄ ") |

χ: 图像尺寸（对角线）（英寸/cm）

L: 投射距离（m/英尺）

L1: 最短投射距离（m/英尺）

L2: 最长投射距离（m/英尺）

H: 镜头中心到影像底部的距离（cm/英寸）

用于计算图像尺寸与投射距离的公式

[m/cm]

L1 (m) = 0.03745χ

L2 (m) = 0.04323χ

H (cm) = 0.064χ

[英尺/英寸]

L1 (英尺) = 0.03745χ / 0.3048

L2 (英尺) = 0.04323χ / 0.3048

H (英寸) = 0.064χ / 2.54

伸展模式（16:9）

| 图像（投射屏幕）尺寸 | | | 投射距离 [L] | | 镜头中心到影像底部的距离 [H] | 影像位置的调节范围 [S] |
|---------------|---------------|---------------|-----------------|-----------------|--|--|
| 对角线 [χ] | 宽度 | 高度 | 最近 [L1] | 最远 [L2] | | |
| 250" (635 cm) | 553 cm (218") | 311 cm (123") | 10.2 m (33' 6") | 11.8 m (38' 8") | 69 cm (27 ¹⁹ / ₆₄ ") | ± 52 cm (± 20 ²⁷ / ₆₄ ") |
| 200" (508 cm) | 443 cm (174") | 249 cm (98") | 8.2 m (26' 9") | 9.4 m (30' 11") | 55 cm (21 ⁵³ / ₆₄ ") | ± 42 cm (± 16 ¹¹ / ₃₂ ") |
| 150" (381 cm) | 332 cm (131") | 187 cm (74") | 6.1 m (20' 1") | 7.1 m (23' 2") | 42 cm (16 ³ / ₈ ") | ± 31 cm (± 12 ¹ / ₄ ") |
| 120" (305 cm) | 266 cm (105") | 149 cm (59") | 4.9 m (16' 1") | 5.7 m (18' 7") | 33 cm (13 ³ / ₃₂ ") | ± 25 cm (± 9 ¹³ / ₁₆ ") |
| 100" (254 cm) | 221 cm (87") | 125 cm (49") | 4.1 m (13' 5") | 4.7 m (15' 5") | 28 cm (10 ⁵⁹ / ₆₄ ") | ± 21 cm (± 8 ¹¹ / ₆₄ ") |
| 80" (203 cm) | 177 cm (70") | 100 cm (39") | 3.3 m (10' 9") | 3.8 m (12' 4") | 22 cm (8 ⁴⁷ / ₆₄ ") | ± 17 cm (± 6 ¹⁷ / ₃₂ ") |
| 60" (152 cm) | 133 cm (52") | 75 cm (29") | 2.4 m (8' 0") | 2.8 m (9' 3") | 17 cm (6 ³⁵ / ₆₄ ") | ± 12 cm (± 4 ²⁹ / ₃₂ ") |
| 40" (102 cm) | 89 cm (35") | 50 cm (20") | 1.6 m (5' 4") | 1.9 m (6' 2") | 11 cm (4 ²³ / ₆₄ ") | ± 8 cm (± 3 ¹⁷ / ₆₄ ") |

χ: 图像尺寸（对角线）（英寸/cm）

L: 投射距离（m/英尺）

L1: 最短投射距离（m/英尺）

L2: 最长投射距离（m/英尺）

H: 镜头中心到影像底部的距离（cm/英寸）

S: 影像位置的可调范围（cm/英寸） 参阅第43页。

用于计算图像尺寸与投射距离的公式

[m/cm]

L1 (m) = 0.0408χ

L2 (m) = 0.0471χ

H (cm) = 0.27727χ

S (cm) = ±0.20754χ

[英尺/英寸]

L1 (英尺) = 0.0408χ / 0.3048

L2 (英尺) = 0.0471χ / 0.3048

H (英寸) = 0.27727χ / 2.54

S (英寸) = ±0.20754χ / 2.54



注

- 关于“投射距离[L]”和“镜头中心到影像底部的距离[H]”，请参阅第18页。
- 上图中的值允许有一个误差余量。

将投影机连接到其他设备

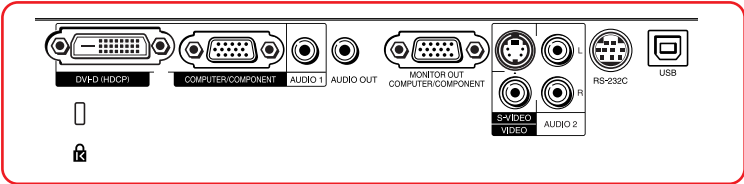
在连接之前，请务必从交流电源插座中拔出投影机的电源线，并关闭要连接设备的电源。在完成全部连接之后，先打开投影机电源，然后打开其他设备的电源。在与电脑连接时，请务必在完成全部连接之后才最后打开电脑的电源。



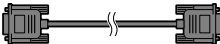
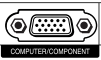

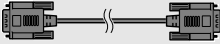

注意：
在打开所连接的设备之前，请务必在投影机上选择合适的输入模式。

- 关于连接和电缆的更多详情，请参阅所连接设备的使用说明书。
- 可能还需要未在下面列出来的其他电缆或连接插头。


投影机上的端子

举例：XR-H825XA的端子





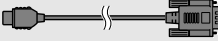
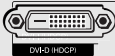

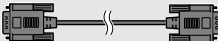

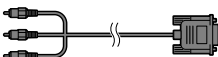
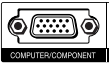

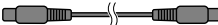


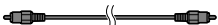

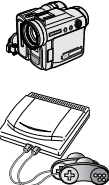

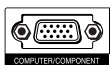


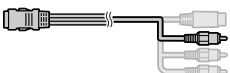

| 设备 | 所连接设备上的端子 | 接线 | 投影机上的端子 |
|---|--|--|---|
|  | RGB 输出端子  | RGB 接线（附送）  | COMPUTER/COMPONENT  |
| | DVI 数码输出端子  | DVI 数码接线（市售）  | DVI-D  |

 仅限于XR-H825XA。

**注**

- 关于与本投影机兼容的电脑信号清单，请参阅第62页“电脑兼容性图表”。如果使用未在表中列举的电脑信号，那么可能会使某些功能失效。
- 使用某些Macintosh（苹果）电脑时，可能会需要Macintosh适配器。请与就近Macintosh（苹果）电脑经销商接洽。
- 取决于所用的电脑，如果电脑上的外部输出端口没有打开，那么有可能不能投射影像（例如，使用SHARP笔记本电脑时，需要同时按下“Fn”和“F5”键）。请参阅电脑使用说明书上的有关说明，来打开电脑上的外部输出端口。

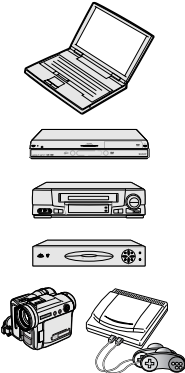

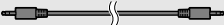


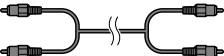


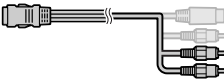


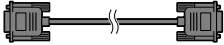



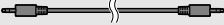


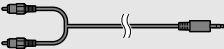
将投影机连接到其他设备（续）

| 设备 | 所连接设备上的端子 | 接线 | 投影机上的端子 |
|--|---|--|--|
|  | HDMI 输出端子  | HDMI到DVI接线（市售）  | DVI-D  |
| | DVI 数码输出端子  | DVI数码接线（市售）  | |
| | 色差视频 输出端子  | 3 RCA到15针微型D-sub接线（选构件，AN-C3CP2型）  | COMPUTER/ COMPONENT  |
| | S-视频 输出端子  | S-视频接线（市售）  | S-VIDEO  |
| | 视频 输出端子  | 视频接线（市售）  | VIDEO  |
|  | 色差视频 输出端子 | 用于摄像机或视频游戏机的接线/ 3 RCA到15针微型D-sub接线（选构件，AN-C3CP2型）  RCA转接头（市售） | COMPUTER/ COMPONENT  |
| | S-视频 输出端子 | 用于摄像机或视频游戏机的接线  | S-VIDEO  |
| | 视频 输出端子 | 用于摄像机或视频游戏机的接线  | VIDEO  |

 仅限于XR-H825XA。

注

- 仅限于XR-H825XA:
 - 投影机连接到带有HDMI输出端子的视频设备上时，仅视频信号可以输入投影机。（连接AUDIO（音频）输入端子输入音频。）
 - 根据视频设备或HDMI到DVI数码接线的规格的不同，信号传输可能会无法正常进行。（HDMI的规格并不支持所有使用HDMI到DVI数码接线与带有HDMI数码输出端子的视频设备之间的连接。）
 - 关于连接相容性的详情，请参阅视频设备制造商提供的关于DVI连接的支持信息。
- 将具有21针RGB 输出(Euro-scart)端子的视频设备连接到投影机时，请使用商店有售的适合该投影机端子的接线。
- 投影机不支持通过Euro-scart的RGBC信号。

| 设备 | 所连接设备上的端子 | 接线 | 投影机上的端子 |
|--|---|--|--|
| 音设备  | ø3.5 mm 音频输出端子  | ø3.5mm的立体声或单声道音频接线 （市售或Sharp维修部件QCNWGA038WJPZ）  | AUDIO 1  |
| | RCA 音频输出端子  | RCA 音频接线（市售）  | AUDIO 2  |
| | 音频输出端子  | 用于摄像机或视频游戏机的接线  | |
| 监视器  | RGB 输入端子  | RGB接线（附送或市售）  | MONITOR OUT  |
| 放大器  | ø3.5 mm 音频输入端子  | ø3.5mm的立体声或单声道音频接线 （市售或Sharp维修部件QCNWGA038WJPZ）  | AUDIO OUT  |
| | RCA音频输入端子  | ø3.5 mm 立体声微型插口到RCA 音频接线 （市售）  | |

 仅限于XR-H825XA。

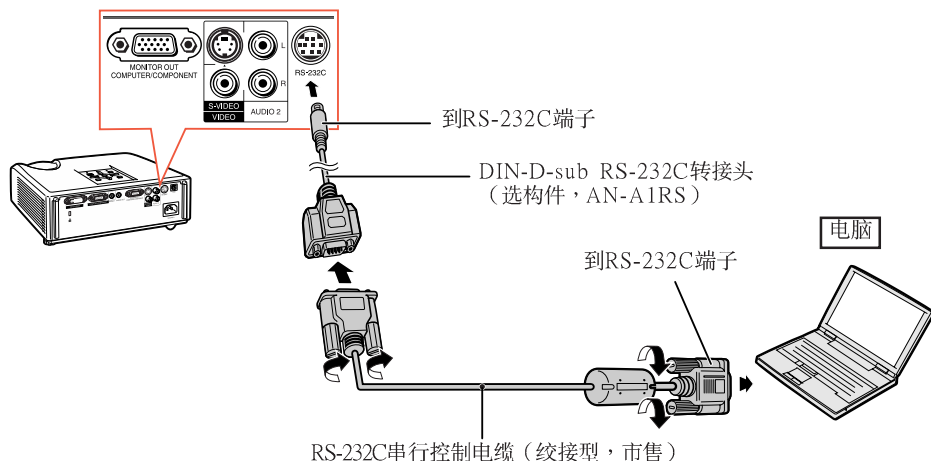
注

- 仅限于XR-H825XA:
 - 在使用ø3.5mm单声道音频接线时，其音量或使用ø3.5mm立体声音频接线时的一半。
 - “屏幕调节”选择表上的“音频输入”可以选择“Audio 1”或“Audio 2”。（参阅第46页）
- 可将RGB信号和色差信号输出到监视器。

用电脑来控制投影机

用DIN-D-sub RS-232C（选构件，AN-A1RS）转接头和一条RS-232C串行控制电缆（绞接型，市售）将投影机上的RS-232C端子连接到电脑时，就可以用电脑来操控投影机并检查投影机的状态。详情请参阅第57页。

用RS-232C串行控制电缆和DIN-D-sub RS-232C转接头连接到电脑时



注

- 如果未能正确设置电脑端子，那么RS-232C功能可能不能操作。详情请参阅电脑的使用说明书。
- RS-232C串行控制电缆之连接方法，请参阅第56页。



资料

- 请勿将RS-232C电缆连接到除了电脑上的RS-232C端子之外的其他端口，否则可能会损坏电脑或投影机。
- 在打开着电源之时，请勿将RS-232C串行控制电缆连接到电脑或从电脑上卸下，否则可能会损坏电脑。

连接电源线

将附带的电源线插入投影机后面的交流电插口。然后插入到交流电源插座中。



打开或关闭投影机电源

打开投影机电源

请注意，在进行如下所示操作之前，需要先完成到外部设备和电源插座之连接。
(参阅第21到24页)

卸下镜头盖，并按下投影机上的**STANDBY/ON**（待机/开）按钮，或遥控器上的**ON**（开）按钮。

- 电源指示灯点亮绿色。
- 灯泡指示灯点亮后，投影机准备开始工作。

注

- 关于灯泡指示灯
灯泡指示灯点亮，指示出灯泡的状态。
绿色：灯泡点亮。
绿色闪烁：灯泡正在预热或关闭。
红色：灯泡不正常地关闭或灯泡应该更换。
- 当在投影机上进行切换时，在灯泡刚点亮后的瞬间，影像可能会轻微闪烁。这是正常的运行，因为灯泡控制电路正在稳定灯泡的输出特性。不应认为这是不正常的运行。
- 如果投影机被置于待机模式，接著又立即再次将其打开，那么灯泡可能需等待一些时间之后才开始投射。
- 当设置了“系统锁”时，就会显示出键代码输入框。如果要取消键代码设定，那么请先输入已经设置的键代码。详情请参阅第46页。

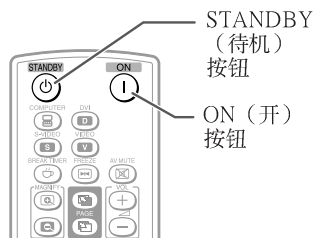
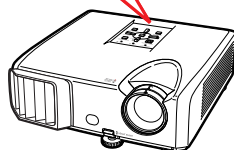
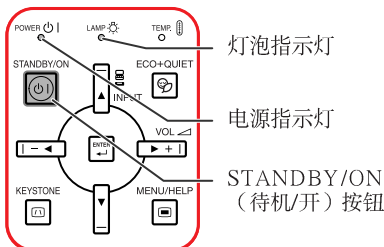
关闭电源（使投影机进入待机模式）

按投影机上的**STANDBY/ON**（待机/开）或遥控器上的**STANDBY**（待机），然后在显示着确认讯息时再一次按该按钮，使投影机进入待机模式。

- 投影机在冷却过程中无法打开。

资料

- 当“自动重新启动”设置为“开”时：
当投影机打开时，如果将电源插头从电源插座中拔出或关闭断路开关，那么当将电源插头插入交流电源插座或打开断路开关时，投影机会自动打开。（参阅第45页）
- 本机出厂时设置的默认语言是汉语。如果想要将屏幕显示更改为另一种语言，那么请按照第44页所述步骤重新设置语言。



屏幕显示（确认讯息）

进入待机模式？

是：再按一次

否：请等待

资料

- 直接关机功能：
即使冷却风扇仍在运转，也可将电源插头从电源插座中拔出。

关于设置指南

在打开投影机电源之后，就会显示出设置指南来帮助您设置投影机。

引导项目

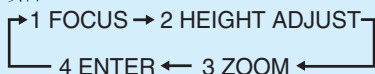
- 1 FOCUS（聚焦）
- 2 HEIGHT ADJUST（高度调节）
- 3 ZOOM（变焦）

按**ENTER**（确定），来退出设置指南画面。



注

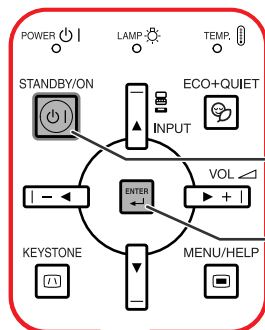
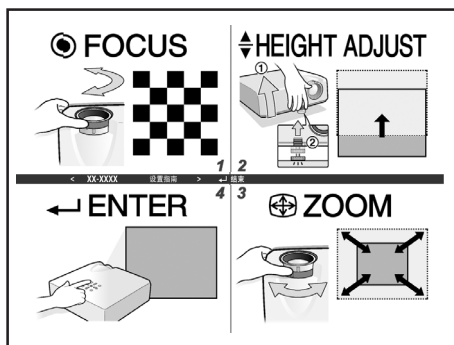
- 设置指南画面自动按照如下顺序以高亮来显示项目：



但是，可以调节聚焦、高度（角度）、或变焦，无视以高亮显示的项目。

- 如果不希望下一次再显示出设置指南，那么请将“选择表”-“屏幕调节”-“设置指南”设置为“关”。（参阅第44页）

设置指南画面



调节投射影像

1 调节聚焦

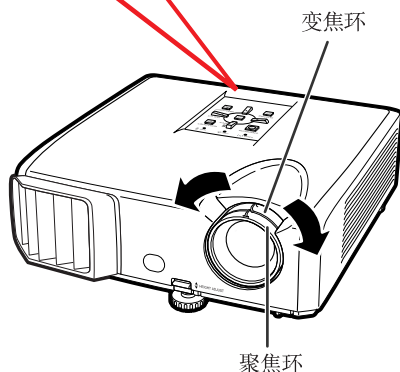
可用投影机上的聚焦环来调节聚焦。

一边观看投射的影像，一边转动聚焦环调节聚焦。

2 调节画面尺寸

可用投影机上的变焦环来调节画面尺寸。

旋转变焦环，来放大或缩小画面尺寸。

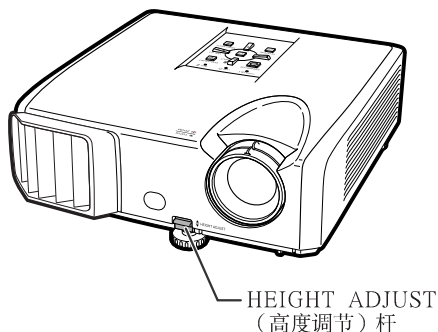


3 调节高度

可用投影机前面和后面的调校脚来调节投影机的高度。

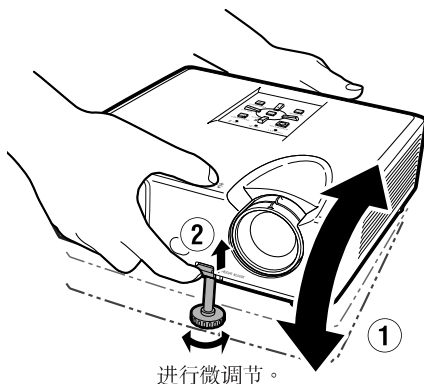
当屏幕比投影机更高时，可调节投影机来使投射的影像更高。

- 1 一边向上抬起HEIGHT ADJUST（高度调节）杆，同时向上抬起投影机，以调节其高度。



- 2 在很好地调节了高度之后，将手从投影机上的HEIGHT ADJUST（高度调节）杆上松开。

- 投影机可在所放置表面9度的范围内调节角度。



- 3 调节后调校脚，使投影机处于水平位置。

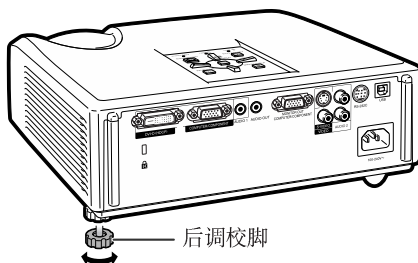
- 投影机可在标准位置的 ± 2 度范围内调节。

注

- 在调节投影机的高度时，会出现梯形失真。请按照梯形失真校正所述之步骤来校正失真。（参阅第28和43页）

资料

- 当前调校脚伸出时，请勿在投影机上施加太大的压力。
- 在放下投影机时要小心，不要将手指夹在调校脚和投影机之间。
- 在抬高或搬动投影机时，须牢牢地握住投影机。
- 请勿握住镜头部份。



投射影像（续）

校正梯形失真

当影像从屏幕的顶部或底部与屏幕成某一角度向屏幕投射时，投射的影像就会出现梯形失真。用于校正梯形失真的功能，称作梯形失真校正。



注

- 梯形失真校正的最大调节角度约为 ± 40 (XR-H825XA/XR-M825XA) ± 20 (XR-H825SA)度，而且屏幕设置的最大角度也可以约为 ± 40 (XR-H825XA/XR-M825XA) ± 20 (XR-H825SA)度（当改变尺寸模式设置为“正常”时）。（参阅第30页）

1

按下**KEYSTONE**（梯形失真）按钮，进入梯形失真校正模式。

- 也可用投影机上的**KEYSTONE**（梯形失真）按钮，来显示出梯形失真校正模式的屏幕显示。

2

按 $\blacktriangle/\blacktriangleright$ 或 $\blacktriangleleft/\blacktriangledown$ ，来调节梯形失真校正。

- 也可用投影机上的调节按钮来调节梯形失真校正。



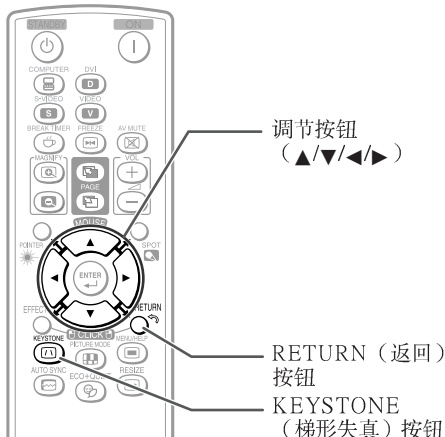
注

- 当梯形失真校正模式的屏幕显示正显示在画面上时，按下**RETURN**（返回）就返回到默认设置。

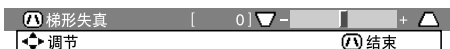
3

按**KEYSTONE**（梯形失真）。

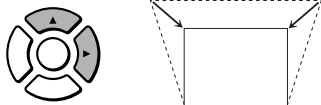
- 梯形失真校正模式的屏幕显示就会消失。
- 也可使用投影机上的**KEYSTONE**（梯形失真）。



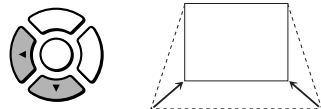
屏幕显示（梯形失真校正模式）



压缩上部。
（将滑条按照+方向移动。）



压缩下部。
（将滑条按照-方向移动。）



资料

- 当用梯形失真校正功能来调节影像时，影像上的直线和边缘可能会出现锯齿形状。

切换输入模式

选择适合于所连接的设备的输入模式。

按遥控器上的**COMPUTER**（电脑），**DVI**（仅限XR-H825XA），**S-VIDEO**（S-视频）或**VIDEO**（视频），来选择输入模式。

- 当按投影机上的**INPUT**（输入）或遥控器上的**DVI**（仅限XR-H825XA）时，会出现**INPUT**（输入）清单。
- 按▲/▼切换**INPUT**（输入）模式。



调节音量

按遥控器上的**VOL + / -** 或投影机上的 **- ◀▶ +**，来调节音量。

注

- 按**VOL - / - ◀**会使音量减小。
- 按**VOL + / ▶ +**会使音量增大。
- 当投影机连接到外部设备时，外部设备的音量根据投影机的音量而改变。在打开或关闭投影机电源时或改变输入信号时，请将投影机的音量调节到最小。
- 当投影机连接到外部设备而又不想从投影机上的扬声器来输出声音时，请将“投影调节”选择表中的“扬声器”设置为“关”。（参阅第45页）

屏幕显示



暂时显示黑屏并关闭声音

按遥控器上的**AV MUTE**（影像消音），来暂时显示出黑屏幕、并将声音关闭。

注

- 再按一次**AV MUTE**（影像消音），就会重新恢复投射影像。

屏幕显示



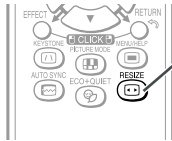
投射影像（续）

改变尺寸模式

利用本功能可修改或自己定义改变尺寸模式，使输入影像更便于观赏。根据输入信号的不同，可以选择想要的图像。

按**RESIZE**（改变尺寸）。






















- 关于在选择表画面上进行设置的方法，请参阅第43页。



RESIZE（改变尺寸）
按钮

电脑

| | 主要解析度 | 正常 | 全屏 | 原样显示 | 边框 | 伸展 |
|------------------------|--------------------|------------|------------|-------------|-----------|------------|
| XR-H825XA XR-M825XA | SVGA (800 x 600) | 1024 x 768 | — | 800 x 600 | 768 x 576 | 1024 x 576 |
| | XGA (1024 x 768) | | | — | | |
| | SXGA (1280 x 1024) | 968 x 768 | 1024 x 768 | 1280 x 1024 | 922 x 576 | |
| | 1280 x 800 | 1024 x 640 | | 1280 x 800 | | |
| XR-H825SA | SVGA (800 x 600) | 800 x 600 | — | — | 600 x 450 | 800 x 450 |
| | XGA (1024 x 768) | | | 1024 x 768 | | |
| | SXGA (1280 x 1024) | 750 x 600 | 800 x 600 | 1280 x 1024 | 720 x 450 | |
| | 1280 x 800 | 800 x 500 | | 1280 x 800 | | |

| 输入信号 | | 用于 4:3 萤幕 | | | 用于 16:9 萤幕 | | |
|--------------------------|-----------------|--|---|---|---|--|--|
| 电脑 | | 图像类型 | 正常 | 全屏 | 原样显示 | 边框 | 伸展 |
| XR-H825XA XR-M825XA | XR-H825SA | | | | | | |
| 低于 XGA 的解像度 | 低于 SVGA 的解像度 |  4:3 宽高比 |  | —*2 |  |  *1, *3 |  *1 |
| XGA | SVGA | | | | —*2 | | |
| 高于 XGA 的解像度 | 高于 SVGA 的解像度 | | | |  | | |
| SXGA (1280 × 1024) | |  5:4 宽高比 |  |  | | | |
| 1280 × 720 | 16:9 宽高比 |  |  *1 |  |  | —*2 | —*2 |
| 1360 × 768 1366 × 768 | | | | |  | | |
| 1280 × 768 | 16:9 宽高比 |  |  *1 |  |  |  *1 |  *1 |
| 1280 × 800 | | | | |  | | |


























■：不能投射图像的被截断部分


.....：信号在屏幕之外的区域


*1 对于此类图像，可以使用图像移动功能。

*2 与正常模式相同。

*3 对于 XR-H825SA 型号，宽高比水平部分小于4:3的某些解像度选项（例如，尤其是1280 x 1024）无法选择“边框”。

| 输入信号 | | 用于 4:3 萤幕 | | | 用于 16:9 萤幕 | |
|---|---|--|---|---|--|---|
| 视频/DTV | 图像类型 | 正常 | 区域变焦 | 垂直伸展 | 边框 | 伸展 |
| 480I, 480P, 576I, 576P, NTSC, PAL, SECAM |  4:3 宽高比 |  |  |  |  *1 |  *1 |
| |  挤压 |  |  |  |  *1 |  *1 |
| |  信箱 |  | | |  *1 |  *1 |
| 720P, 1035I, 1080I, 1080P |  16:9 宽高比 |  *1 |  |  | ___*2 | ___*2 |
| 540P |  16:9 宽高比 | | | | | |
| |  (在 16:9 屏幕上的 4:3 宽高比) |  *1 |  |  | | |

 : 不能投射图像的被截断部分

 : 图像不包括在原来的信号内的部分

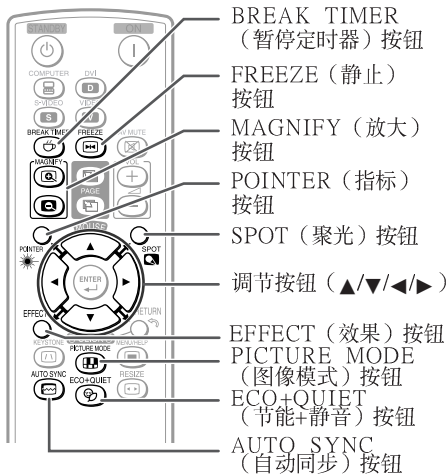
*1 对于此类图像, 可以使用图像移动功能。

*2 与正常模式相同。

关于版权

- 当使用改变尺寸功能来选择与电视节目或视频影像原有的长宽比不同的影像尺寸时, 那么影像看起来就会与原来的样子有些不同。所以, 在选择影像尺寸时, 要对此有所注意。
- 用于商业目的或在咖啡厅、酒店、饭店等处公开显示影像时, 如果使用改变尺寸或梯形失真校正功能来压缩或伸展影像, 那么可能会对版权持有者在法律上构成版权侵权。因此, 在使用时请务必严加注意。

用遥控器操控



显示指标

1 按遥控器上的**POINTER** (指标) 和 ▲/▼/◀/▶ 移动指标。

- 按**EFFECT** (效果) 更改指标图标 (5种类型)。



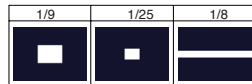
2 再按一次**POINTER** (指标)。

- 指标便会消失。

使用聚光功能

1 按遥控器上的**SPOT** (聚光) 和 ▲/▼/◀/▶ 移动聚光区域。

- 按**EFFECT** (效果) 更改聚光区域尺寸 (3种类型)。



2 再按一次按**SPOT** (聚光)。

- 聚光区域便会消失。

显示和设置暂停定时器

1 按 **BREAK TIMER** (暂停定时器)。

- 定时器从5分钟开始倒计时。

屏幕显示



2 按 ▲/▼/◀/▶，来调节暂停时间的长度。

- 用▲或▶来增加
5分钟→6分钟→60分钟
- 用◀或▼来减少
4分钟→3分钟→1分钟
- 用可以用1分钟为单位来设置暂停时间 (最多60分钟)。

取消暂定时间显示功能

按**BREAK TIMER** (暂停定时器)。



- 当投影机正在运行“自动同步”、“静止”或“AV消音”功能时，暂停定时器就不起作用。



- 关于节能+静音模式之详情，请参阅第42页之“灯泡设定”。

切换节能 + 静音模式

可以按**ECO+QUIET** (节能+静音) 按钮来切换节能+静音模式的开关状态。

- 将节能+静音模式设为“开”时，冷却风扇的声音会降低，功耗会减少，灯泡寿命也会延长。



- 关于节能+静音模式之详情，请参阅第42页之“灯泡设定”。

自动同步（自动同步调节）

在打开投影机电源之后，当检测到输入信号时，自动同步功能就会起作用。

按**AUTO SYNC**（自动同步），用自动同步功能来手动调节。



注

- 当采用自动同步调节功能而未能获得最佳影像时，请使用帮助选择表来进行手动调节。（参阅第48页）

使活动影像静止

1

按**FREEZE**（静止）。

- 投射的影像被定格。

2

再按一次**FREEZE**（静止），就恢复到来自当前所连接设备的活动影像。

选择图像模式

可为投影机选择合适的图像模式，例如电影或视频游戏。

按**PICTURE MODE**（图像模式）。

- 用当按下**PICTURE MODE**（图像模式）时，图像模式按照如下顺序改变：

→标准→讲演→影院→游戏→sRGB*



注

- 关于图像模式之详情，请参阅第40页。

* 只有当输入RGB信号时，才会显示出“sRGB”。

显示图像的放大部分

可以放大投影图像的图形、表格和其他部分。适用于提供更详细的解说。

1

按遥控器上的 **MAGNIFY**（放大）按钮。

- 放大图像。
- 按 **MAGNIFY**（放大）按钮放大或缩小投影的图像。



注

按 **MAGNIFY** 按钮。

×1 ×2 ×3 ×4

按 **MAGNIFY** 按钮。

- 可以用 **▲**、**▼**、**◀** 或 **▶** 按钮改变放大的图像的位置。

2

按遥控器上的**RETURN**（返回）按钮取消操作。

- 放大后恢复到 ×1。



注

- 根据输入信号的不同，可选放大倍率有所差别。
- 在下列情况时，图像将恢复到正常尺寸（×1）。
 - 切换输入模式时。
 - 已经按了**RETURN**（返回）按钮时。
 - 输入信号改变时。
 - 输入信号的解像度和刷新率（帧频）改变时。
 - 改变尺寸模式改变时。
 - 图像模式改变时。
 - 渐进模式改变时。

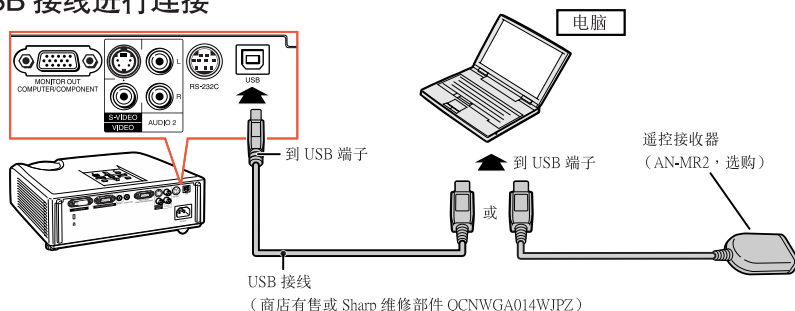
用遥控器操控（续）

将遥控器用作无线电脑鼠标

用 USB 接线将投影机连接到电脑上时，可以将遥控器用作电脑鼠标。

如果因电脑距离投影机太远而无法通过 USB 接线进行连接，通过另售的遥控接收器（AN-MR2，选购），便可以使用遥控器来操控投影机。有关详情，请参阅该接收器的使用说明书。

用 USB 接线进行连接



连接后，可以按下面的方法操作鼠标。

■ 移动游标时

按 MOUSE（鼠标）/ 调节按钮（▲/▼/◀/▶）。

■ 左键按一下时

按 L-CLICK（鼠标左键）按钮。

■ 右键按一下时

按 R-CLICK（鼠标右键）按钮。

■ 当您的电脑仅支持单键鼠标（例如 Macintosh 电脑）时

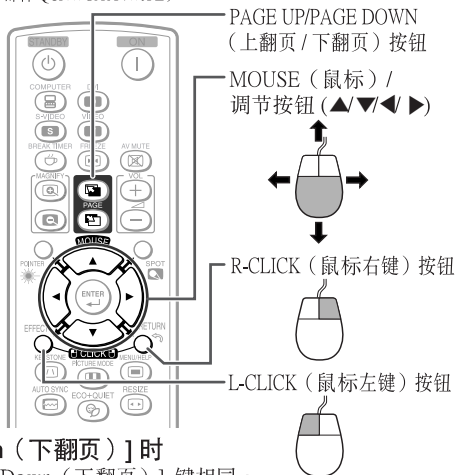
按 L-CLICK（鼠标左键）或 R-CLICK（鼠标右键）按钮。

L-CLICK（鼠标左键）和 R-CLICK（鼠标右键）有共同的功能。

■ 使用 [Page Up（上翻页）] 或 [Page Down（下翻页）] 时

与电脑键盘上的 [Page Up（上翻页）] 或 [Page Down（下翻页）] 键相同。

按 PAGE UP（上翻页）或 PAGE DOWN（下翻页）按钮。



注

- 该功能仅在 Microsoft® Windows® OS 和 Mac OS® 操作系统下工作。但是，下列不支持 USB 的操作系统除外：
 - Windows® 95 以前的版本。
 - Windows® NT 4.0 以前的版本。
 - Mac OS® 8.5 以前的版本。
- 当显示项目选择表屏幕时，不能使用本功能。
- 确认电脑能识别 USB 连接。

选择表项目

以下列举可在投影机中设置的项目。

“图像”选择表

第1页

| 图像 | 屏幕调节 | 投影调节 | 帮助 |
|------|-------|------|----|
| 图像模式 | | 标准 | |
| 对比度 | [0] | | |
| 亮度 | [0] | | |
| 颜色 | [0] | | |
| 色调 | [0] | | |
| 锐度 | [0] | | |
| 红色 | [0] | | |
| 蓝色 | [0] | | |

选择/调节 输入 结束

第2页

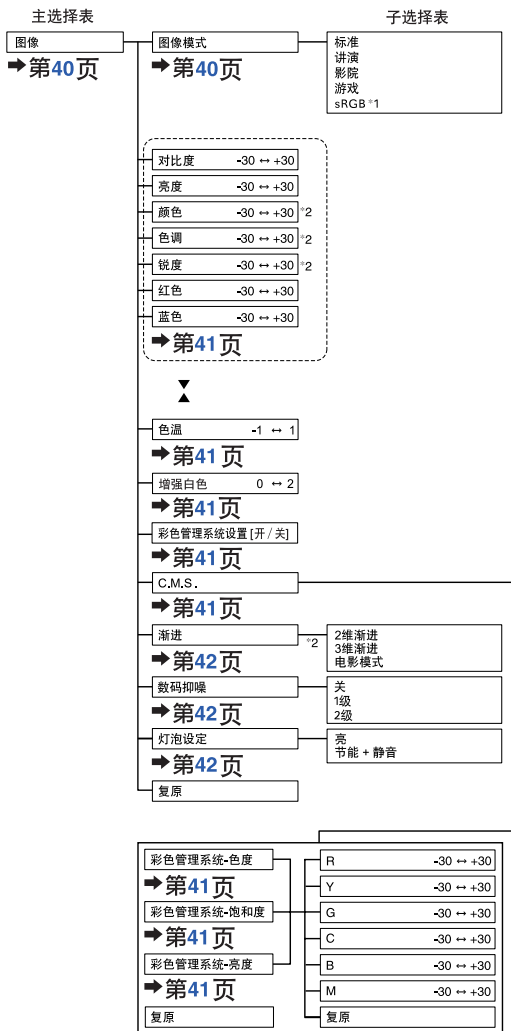
| 图像 | 屏幕调节 | 投影调节 | 帮助 |
|----------|-------|------|----|
| 图像模式 | | 标准 | |
| 色温 | [0] | | |
| 增强白色 | [1] | | |
| 彩色管理系统设置 | | 开 | |
| C.M.S. | | | |
| 渐进 | | 3维渐进 | |
| 数码抑噪 | | 关 | |
| 灯泡设定 | | 亮 | |

选择/调节 输入 结束

“C.M.S.”

| C.M.S. |
|------------|
| 彩色管理系统-色度 |
| 彩色管理系统-饱和度 |
| 彩色管理系统-亮度 |
| 复原 |
| R [0] |
| Y [0] |
| G [0] |
| C [0] |
| B [0] |
| M [0] |





选择/调节 返回 输入 结束



*1 当通过COMPUTER（电脑）或DVI（仅限XR-H825XA）来输入RGB信号时的项目

*2 当通过COMPUTER（电脑）或DVI（仅限XR-H825XA）来输入色差视频信号、或选择S-VIDEO（S-视频）或VIDEO（视频）时的项目

选择表项目（续）

| “屏幕调节” 选择表 | | |
|-------------------------|---|---------|
| 图像 | 屏幕调节 | 投影调节 帮助 |
| 改变尺寸 | ◇ 边框 | |
| 图像移动 | [0]   | |
| 梯形失真 | [0]   | |
| 屏幕显示 | ◇ 开 | |
| 背景 | ◇ 标识 | |
| 设置指南 | ◇ 开 | |
| 投影模式 | ◇ 前面 | |
| 语言 (Language) | ◇ 汉语 | |
| ⏮ 选择/调节 ⬅ 输入 ⏹ 结束 | | |

*3 XR-H825XA/XR-M825XA的调节范围。
*4 XR-H825SA的调节范围。

“投影机调节（投影调节）” 选择表

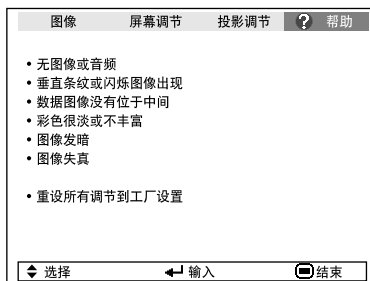
| 图像 | 屏幕调节 | 投影调节 帮助 |
|-------------------------------------|-----------|---------|
| 自动同步 | ◇ 开 | |
| 自动关机 | ◇ 开 | |
| 自动重新启动 | ◇ 开 | |
| 待机模式 | ◇ 标准 | |
| 确认音 | ◇ 开 | |
| 扬声器 | ◇ 开 | |
| 音频输入 | ◇ Audio 1 | |
| RS-232C | ◇ 9600bps | |
| 风扇模式 | ◇ 正常 | |
| 系统锁 | ◇ 关 | |
| 灯泡计时器(残率) [0] 小时 [0] 分 (100%) | | |
| ⏮ 选择/调节 ⬅ 输入 ⏹ 结束 | | |

*5 本项目仅限XR-H825XA可以使用。

| 主选择表 | 子选择表 |
|----------------|---|
| 屏幕调节 → 第43页 | 改变尺寸 → 第43页 |
| | 图像移动 -96 ↔ +96 *3 -75 ↔ +75 *4 → 第43页 |
| | 梯形失真 -80 ↔ +80 *3 -40 ↔ +40 *4 → 第43页 |
| | 屏幕显示 [开/关] → 第43页 |
| | 背景 → 第44页 |
| | 设置指南 [开/关] → 第44页 |
| | 投影模式 → 第44页 |
| | 语言 (Language) → 第44页 |
| | 正常 全屏 原样显示 区域变焦 垂直伸展 边框 伸展 视频 / S-视频 电脑 / DTV |
| | 标识 蓝色 无 |
| | 前面 天花板 + 前面 后面 天花板 + 后面 |
| | English Deutsch Español Nederlands Français Italiano Svenska Português Русский polski Magyar Türkçe عربي فارسی 汉语 한국어 日本語 |

| 主选择表 | 子选择表 |
|----------------|------------------------|
| 投影调节 → 第45页 | 自动同步 [开/关] → 第45页 |
| | 自动关机 [开/关] → 第45页 |
| | 自动重新启动 [开/关] → 第45页 |
| | 待机模式 → 第45页 |
| | 确认音 [开/关] → 第45页 |
| | 扬声器 [开/关] → 第45页 |
| | 音频输入 *5 → 第46页 |
| | RS-232C → 第46页 |
| | 风扇模式 → 第46页 |
| | 系统锁[开/关] → 第46页 |
| | 灯泡计时器(残率) → 第47页 |
| | 标准 节能 |
| | Audio 1 Audio 2 |
| | 9600bps 115200bps |
| | 正常 高 |

“帮助”选择表



可用“帮助”选择表来设置的项目

“帮助”选择表→第48页

- 垂直条纹或闪烁图像出现
 - 自动同步
 - 时钟
 - 相位
- 数据图像没有位于中间
 - 自动同步
 - 水平位置
 - 垂直位置
- 彩色很淡或不丰富
 - COMPUTER/COMPONENT (电脑 / 色差信号) 或 DVI 输入 (仅限 XR-H825XA) 信号类型：自动/RGB/色差信号
 - S-VIDEO (S-视频) 或 VIDEO (视频) 输入
 - 视频制式：自动/FAL/SECAM/NTSC3.58/NTSC4.43/FAL-M/FAL-N/FAL-60
 - DVI (数码) 输入 (仅限 XR-H825XA) 动态范围：自动/标准/增强

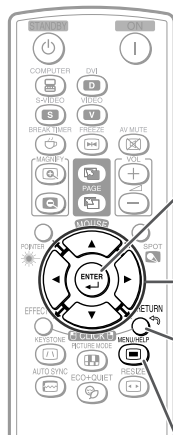
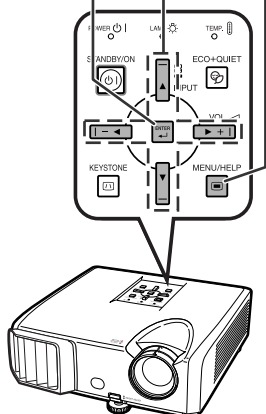
* 根据输入信号和选择的输入模式不同，可选的项目也会不同。

使用选择表画面

ENTER（确定）按钮

调节按钮（▲/▼/◀/▶）

MENU/HELP
（选择表/帮助）按钮



ENTER（确定）按钮

调节按钮（▲/▼/◀/▶）

RETURN（返回）按钮
• 在显示著选择表时，按
RETURN（返回）来返回
到前一个画面。

MENU/HELP
（选择表/帮助）按钮

选择表选择（调节）

举例：调节“亮度”

• 也可用投影机上的按钮来进行这一操作。

1 按**MENU/HELP**（选择表/帮助）。

• 用于所选输入模式的“图像”选择表画面就会显示出来。

2 按**▶**或**◀**，并选择“图像”来进行调节。

举例：用于**COMPUTER**（电脑）（RGB）输入的
“图像”画面选择表

选择表项目

| 图像 | 屏幕调节 | 投影调节 | 帮助 |
|----------|-------|------|----|
| 图像模式 | | 标准 | |
| 对比度 | [0] | — | + |
| 亮度 | [0] | — | + |
| 红色 | [0] | — | + |
| 蓝色 | [0] | — | + |
| 色温 | [0] | — | + |
| 增强白色 | [1] | — | + |
| 彩色管理系统设置 | | 开 | |
| C.M.S. | | | |
| 数码抑噪 | | 关 | |
| 灯泡设定 | | 亮 | |
| ◆◆复原 | | | |
| ◆◆选择/调节 | ← 输入 | | 结束 |

3 按▲或▼，并选择“亮度”来进行调节。

- 所选的项目以高亮显示。

一边观看，一边调节投射的影像

按ENTER（确定）。

- 被选择的项目（例如，“亮度”）就原样在画面底部显示出来。
- 在按▲或▼时，会显示出后续项目（“红色”在“亮度”之后）。



注

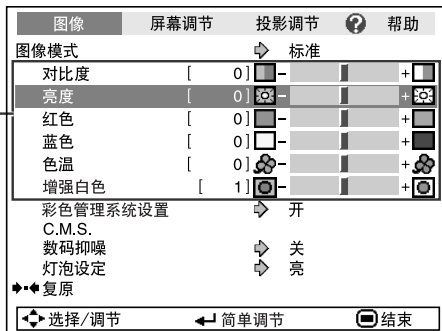
- 再按一次ENTER（确定），来返回到前一个画面。

4 按◀或▶，来调节所选的项目。

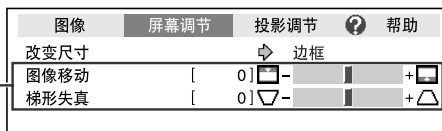
- 调节的状态被保存起来。

5 按MENU/HELP（选择表/帮助）。

- 菜单画面就会消失。

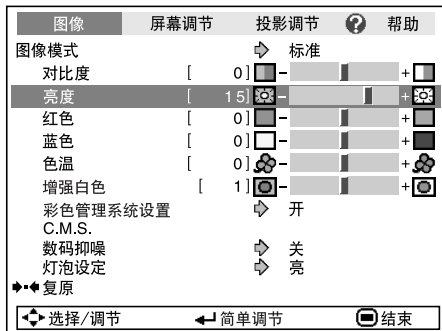


要调节的项目



按ENTER（确定）。

项目原样显示出来



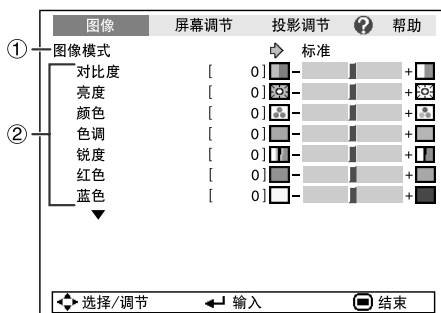
注

- 当投影机正在运行“自动同步”、“暂停定时器”、“静止”、或“A V 消音”功能时，选择表按钮不起作用。

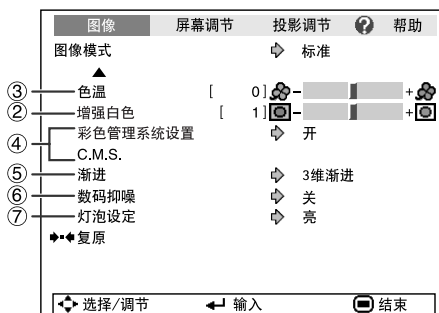
图像调节（“图像”选择表）

选择表操作→第38页

▶ 第1页



▶ 第2页



① 选择图像模式

| 可选的项目 | 说明 | 当选择图像模式时每个项目的默认设置 | | |
|-------|--------------------------|-------------------|------|---------|
| | | 色温 | 增强白色 | 灯泡设定 |
| 标准 | 标准影像 | 0 | 1 | 亮度 |
| 讲演 | 增强影像某些部份的亮度，从而具有更强的表现能力。 | 0 | 2 | 亮度 |
| 影院 | 使投射的影像具有自然色调。 | -1 | 0 | 节能 + 静音 |
| 游戏 | 使投射的影像更加鲜艳。 | 0 | 1 | 亮度 |
| *sRGB | 用于高保真地再现来自电脑的影像。 | — | — | 亮度 |

- 只有当输入RGB信号时，才会显示出“sRGB”。
- 可将“图像”选择表中的每一个项目设置或调节到自己喜欢的程度。所做的任何变更都会保存在记忆体中。

注

- 也可按遥控器上的**PICTURE MODE**（图像模式），来选择图像模式。（参阅第33页）
 - *sRGB是由IEC（国际电工技术委员会）制订的关于彩色再现的一项国际标准。因为IEC已经确定了固定的彩色范围，所以，当选择了“sRGB”时，就会根据一幅原始影像而将影像以自然的色调显示出来。
- 关于sRGB功能的更多信息，请访问“<http://www.srgb.com/>”网站。
- 当选择了“sRGB”时，就不能设置“红色”、“蓝色”、“色温”、“增强白色”项目。

资料

- 当选择了“sRGB”时，投射的影像可能会变得比较暗，但是这并不是故障。

② 调节影像

| 调节项目 | ◀按钮 | ▶按钮 |
|--------|----------|----------|
| 对比度 | 减弱对比度。 | 增强对比度。 |
| 亮度 | 减小亮度。 | 增大亮度。 |
| 颜色*1 | 减小颜色浓度。 | 增强颜色浓度。 |
| 色调*1 | 使肤色略带紫色。 | 使肤色略带绿色。 |
| 锐度*1 | 减小锐度。 | 增大锐度。 |
| 红色*2 | 减弱红色。 | 增强红色。 |
| 蓝色*2 | 减弱蓝色。 | 增强蓝色。 |
| 增强白色*2 | 要使其效果更弱。 | 要使其效果更强。 |


*1在RGB输入模式下不显示。

*2当选择了“sRGB”时，不能调节/设置。

注

- 当选择了“sRGB”时，就不能设置“红色”、“蓝色”、“增强白色”和“色温”。
- 如果要重新设置所有的调节项目，那么请选择“复原”、并按**ENTER**（确定）。

③ 调节色温

| 可选的项目 | 说明 |
|-------|--|
| -1 | 用于降低色温，获取更加暖色调的、色彩偏红类似于白炽灯光的影像。  |
| 0 | |
| 1 | |
| | 用于偏冷色调的较高色温，带蓝色的荧光灯那样的影像。 |

注

- “色温”中的值仅适用于一般的标准情况。

④ 调节彩色

本功能可调节组成色轮的6种主要颜色中的每一种颜色，改变其“色度”、“饱和度”或“亮度”。

| 可选的项目 | 说明 |
|------------|-----------------------------------|
| 彩色管理系统-色度 | 设置主要颜色的色度。 |
| 彩色管理系统-饱和度 | 设置主要颜色的饱和度。 |
| 彩色管理系统-亮度 | 设置主要颜色的亮度。 |
| 复原 | 所有颜色的“色度”、“饱和度”和“亮度”都复原到工厂出货时的设置。 |

调节“色度”、“饱和度”或“亮度”。

- 1 将“图像”选择表中的“彩色管理系统设置”选为“开”，然后按**ENTER**（确定）。
- 2 选择“图像”选择表中的“C.M.S.”，然后按**ENTER**（确定）。
- 3 按下▲或▼，选择“色度”、“饱和度”或“亮度”，然后按**ENTER**（确定）。
- 4 用▲或▼来选择想要调节的颜色，并用◀或▶调节该颜色。

调节“色度”的例子

| 主要颜色 | ◀按钮 | ▶按钮 |
|--------|---------|---------|
| R（红色） | 更接近于洋红色 | 更接近于黄色 |
| Y（黄色） | 更接近于红色 | 更接近于绿色 |
| G（绿色） | 更接近于黄色 | 更接近于青色 |
| C（青色） | 更接近于绿色 | 更接近于蓝色 |
| B（蓝色） | 更接近于青色 | 更接近于洋红色 |
| M（洋红色） | 更接近于蓝色 | 更接近于红色 |

- 当选择了“饱和度”时，被选的颜色就会变得：
 - ◀：更浅。▶：更深。
- 当选择了“亮度”时，被选的颜色就会变得：
 - ◀：更暗。▶：更亮。
- 如果要将每一种颜色都调节到工厂出货时默认的设置值，那么请选择“复原”，并按**ENTER**（确定）。

图像调节（“图像”选择表）（续）

选择表操作→第38页

⑤ 渐进（逐行）

| 可选的项目 | 说明 |
|-------|---|
| 2维渐进 | 在观赏体育运动等快速活动的影像时很有用。 |
| 3维渐进 | 对于更清楚地显示戏剧和记录影片等运动相对缓慢的影像很有用。 |
| 电影模式 | 清楚地再现电影源*影像。将用3-2下拉（NTSC和PAL60Hz）或2-2下拉（PAL50Hz和SECAM）增强技术转换为渐进（逐行）模式影像的电影影像，用最佳影像显示出来。 |

* 电影源信号是一种以电影原来每秒钟24幅画面的方式原样编码录制的数字视频录像。本投影机能将这种电影源信号转换成为NTSC和PAL60Hz制式的60帧/秒、或PAL50Hz和SECAM制式的50帧/秒的渐进（逐行）视频，从而播放出高清晰度影像。

注

- 对于NTSC或PAL60Hz，即使设置了3维渐进模式，当输入电影源信号时，还是会自动启用3-2下拉增强。
- 如果影像模糊或有杂波，那么请切换到最佳模式。

资料

- 该功能用于使用COMPUTER/COMPONENT或DVI输入（仅限XR-H825XA）的480i和576i信号。
- 该功能用于所有S-VIDEO和VIDEO输入的信号。

⑥ 减少影像噪声（数码抑噪）

视频数码抑噪(DNR)提供具有最少噪声和串色的高质量图像。

| 可选的项目 | 说明 |
|-------|--------------------|
| 关 | 不激活数码抑噪功能。 |
| 1级 | 设置数码抑噪，便于浏览更清晰的图像。 |
| 2级 | |

注

- 在以下情况，将“数码抑噪”设置为“关”：
- 影像模糊不清时。
 - 运动影像的轮廓和颜色出现拖尾时。
 - 投射信号较弱的电视广播时。

⑦ 灯泡设定

| 可选的项目 | 亮度和功率消耗 |
|---------|---------|
| 节能 + 静音 | 约80% |
| 亮度 | 100% |

注

- 在节能+静音模式时，风扇的声音和电力消耗要比在亮度模式时小。（如图表所示，投影的亮度减小。）

调节投射的影像（“屏幕调节”选择表）

选择表操作→第38页



① 设置改变尺寸模式

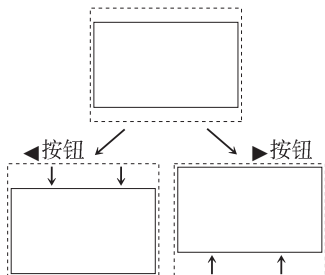


注

- 关于改变尺寸模式的详情，请参阅第30和31页。
- 也可按遥控器上的**RESIZE**（改变尺寸），来设置改变尺寸模式。（参阅第30页）

② 调节影像位置

可垂直移动投射的影像。



注

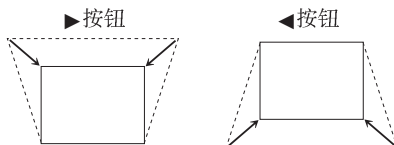
- 本功能仅在某些改变尺寸模式下起作用。（参阅第30页和第31页。）

③ 梯形失真校正

当影像从屏幕的顶部或底部与屏幕成某一角度向屏幕投射时，投射的影像就会出现梯形失真。用于校正梯形失真的功能，称作梯形失真校正。

在“屏幕调节”选择表上选择“梯形失真”，并用滑条进行调节。

关于梯形失真校正之详情，请参阅第28页。



注

- “梯形失真校正”的最大调校角度约为 ± 4.0 (XR-H825XA/XR-M825XA)/ ± 2.0 (XR-H825SA)度（当“改变尺寸”设置为“正常”时）。
- 也可按遥控器或投影机上的**KEYSTONE**（梯形失真）来调节梯形失真校正。

④ 设置屏幕显示

| 可选的项目 | 说明 |
|-------|---|
| 开 | 显示出屏幕显示的全部内容。 |
| 关 | 不显示输入/音量/音像消音/静止/自动同步/改变尺寸/图像模式/节能+静音/放大/“按了无效的操作按钮”。 |

有用的功能

调节投射的影像（“屏幕调节”选择表）（续）

选择表操作→第38页

⑤ 选择背景影像

| 可选的项目 | 说明 |
|-------|--------------|
| 标识 | SHARP公司的标记画面 |
| 蓝色 | 蓝屏幕 |
| 无 | — |

⑥ 选择设置指南

| 可选的项目 | 说明 |
|-------|---------------------|
| 开 | 在打开投影机电源时使设置指南显示出来。 |
| 关 | 不显示设置指南。 |

⑦ 反转或颠倒投射影像

| 可选的项目 | 说明 |
|--------|---------------------------|
| 前面 | 正常影像（从屏幕前面投射的影像） |
| 天花板+前面 | 颠倒影像（用上下颠倒的投影机从屏幕前面投射的影像） |
| 后面 | 反转影像（从屏幕后面或用反射镜投射的影像） |
| 天花板+后面 | 反转和颠倒影像（用反射镜投射） |

关于投影模式之详情，请参阅第19页。

⑧ 选择屏幕显示语言

本投影机能在17种语言中切换屏幕显示语言。

English
Deutsch
Español
Nederlands
Français
Italiano
Svenska
Português
Русский
polski
Magyar
▼

▲
Türkçe
عربي
فارسی
汉语
한국어
日本語

调节投影机功能（“投影调节”选择表）

选择表操作→第38页

| 图像 | 屏幕调节 | 投影调节 | 帮助 |
|-----------------------|-----------------------|---------|----|
| ① 自动同步 | ⇒ | 开 | |
| ② 自动关机 | ⇒ | 开 | |
| ③ 自动重新启动 | ⇒ | 开 | |
| ④ 待机模式 | ⇒ | 标准 | |
| ⑤ 确认音 | ⇒ | 开 | |
| ⑥ 扬声器 | ⇒ | 开 | |
| ⑦ 音频输入 | ⇒ | Audio 1 | |
| ⑧ RS-232C | ⇒ | 9600bps | |
| ⑨ 风扇模式 | ⇒ | 正常 | |
| ⑩ 系统锁 | ⇒ | 关 | |
| ⑪ 灯泡计时器(残率) | [0]小时 [0]分(100%) | | |
| ⇐ 选择/调节 ⇐ 输入 结束 | | | |

① 自动同步（自动同步调节）

| 可选的项目 | 说明 |
|-------|--------------------------------------|
| 开 | 在连接到电脑时，当打开投影机电源或切换输入信号时，就会出现自动同步调节。 |
| 关 | 不会自动进行自动同步调节。 |



注

- 自动同步调节也是通过按遥控器上的**AUTO SYNC**（自动同步）按钮进行调节的。
- 自动同步调节可能需要一些时间才能完成，这取决于连接到投影机的电脑的影像。
- 如果用自动同步调节不能得到最佳影像，那么请用手动调节。（参阅第48页）

② 自动关机功能

| 可选的项目 | 说明 |
|-------|------------------------------------|
| 开 | 如果超过15分钟没有检测到输入信号，那么投影机就会自动进入待机状态。 |
| 关 | 自动关机功能就会被禁用。 |



注

- 当自动关机功能设置为“开”时，在投影机进入待机模式之前的5分钟，画面上会显示出“X分钟后进入待机模式”，告知剩余的时间有多少分钟。

③ 自动重新启动功能

| 可选的项目 | 说明 |
|-------|---|
| 开 | 当投影机打开时，如果将电源插头从电源插座中拔出或关闭断路开关，那么当将电源插头插入交流电源插座或打开断路开关时，投影机会自动打开。 |
| 关 | 当将电源插头插入交流电源插座或打开断路开关时，投影机不会自动打开。 |

④ 待机模式

当设置为“节能”时，功率消耗会在待机状态下降低。

| 可选的项目 | 说明 |
|-------|----------------------------------|
| 节能 | 监视器输出和RS-232C功能在待机状态下关闭。 |
| 标准 | 即使投影机在待机状态下，监视器输出和RS-232C功能仍然启用。 |

⑤ 设置确认音（确认音）

| 可选的项目 | 说明 |
|-------|------------------------|
| 开 | 当投影机电源打开或关闭时，会发出一个确认音。 |
| 关 | 不发出确认音。 |

⑥ 扬声器设置

| 可选的项目 | 说明 |
|-------|----------------|
| 开 | 音频信号从内置扬声器输出。 |
| 关 | 音频信号不从内置扬声器输出。 |

有用的功能

调节投影机功能（“投影调节”选择表）（续）

选择表操作→第38页

⑦ 音频输入(仅限XR-H825XA)

本功能用于为每个输入模式选择合适的音频输入端子组合。

| 可选的项目 | 说明 |
|---------|-------------------------|
| Audio 1 | AUDIO（音频）1输入端子用作音频输入端子。 |
| Audio 2 | AUDIO（音频）2输入端子用作音频输入端子。 |

⑧ 选择传输速率（RS-232C）

请确认投影机和电脑两者都设置了同样的传输速率（波特率）。

| 可选的项目 | 说明 |
|-----------|--------|
| 9600bps | 传输速率低。 |
| | ↑↓ |
| 115200bps | 传输速率高。 |

⑨ 设置风扇模式

本功能改变风扇转速。

| 可选的项目 | 说明 |
|-------|-----------------------------|
| 正常 | 适用于正常环境。 |
| 高 | 当投影机在海拔约1,500米以上使用时，请选择该功能。 |

当“风扇模式”设置为“高”时，风扇的转速高，风扇的杂音也变大。

⑩ 系统锁功能

本功能可防止投影机被非法使用。一旦该功能启动，那么在每次打开投影机电源时用户都必须输入正确的键代码。建议将键代码记录在只有合法用户才能看到的安全之处。

资料

- 如果丢失或忘记了键代码，那么请与就近SHARP公司授权的投影机经销商或服务中心接洽。即使还在产品保修期内，重新设置键代码也是需要另外付费的。

设置或更改键代码

1 选择“系统锁”，然后按**ENTER**（确定）或**▶**。

2 选择“下一步”，然后按**ENTER**（确定）。

- 显示出要求输入键代码的画面。

3 按遥控器或投影机上的4个按钮，在“旧代码”处输入预设的键代码。

- 首次设定键代码时，请按4次投影机上的**▼**。

投影调节

设置系统锁

| | |
|-----|------|
| 旧代码 | ---- |
| 新代码 | ---- |
| 确认 | ---- |

注

- 如果输入了错误的键代码，那么光标就会返回到“旧代码”的第一个位置。
- 预先设置的键代码是投影机上的4个**▼**按钮。当4次按下**▼**按钮时，输入键代码的画面就会消失。

4 按遥控器或投影机上的4个按钮，在“新代码”框中输入新的键代码。

注

- 如下按钮不能用作键代码：**STANDBY/ON**（待机/开），**ON**（开），**STANDBY**（待机），**ENTER**（确定），**L-CLICK**（左键），**R-CLICK**（右键）/**RETURN**（返回）和**MENU/HELP**（选择表/帮助）
- 系统锁功能会将遥控器或投影机上的每一个按钮识别为一个单独的按钮，即使它们的按钮名称相同也没有关系。如果在设置键代码时使用了投影机上的按钮，那么就不能用遥控器来取消键代码。

投影调节

设置系统锁

| | |
|-----|-------|
| 旧代码 | ***** |
| 新代码 | ---- |
| 确认 | ---- |

5 在“确认”处输入同样的键代码。



注

取消已经设置的键代码

- 在上述步骤4和步骤5中，按4次投影机上的▼。

当设置了“系统锁”时

- 当设置了“系统锁”时，在打开电源时就会显示出键代码输入画面。当出现该画面时，请输入正确的键代码来启动投影机。

输入键代码的画面

系统锁

⑪ 检查灯泡寿命状态

可以确认灯泡的累计使用时间和灯泡的剩余寿命（百分比）。

| 灯泡使用条件 | 剩余的灯泡寿命 | |
|--------------------------|----------|--------|
| | “残率” | |
| | 100% | 5% |
| 仅在“灯泡设定”设置于“节能+静音”的情况下操作 | 约4,000小时 | 约200小时 |
| 仅在“灯泡设定”设置于“亮度”的情况下操作 | 约2,000小时 | 约100小时 |



注

- 当灯泡寿命只剩下5%的时候，建议更换灯泡。
- 根据使用条件不同，灯泡寿命可能会有不同。

键锁功能

锁定投影机上的操控按钮

使用本功能来锁定投影机上的操控按钮。

■ 锁定操控按钮

当正在打开投影机的电源时，按住投影机上的**ENTER**（确定）按钮约5秒钟。

屏幕显示

键锁功能开

- 键锁功能不影响用遥控器上的按钮进行操控。
- 当投影机正在预热时，不能使用键锁功能。

■ 取消键锁

按住投影机上的**ENTER**（确定）按钮约5秒钟。

屏幕显示

键锁功能关

- 当投影机处于待机模式时，可以同时按住投影机上的**ENTER**（确定）和**STANDBY/ON**（待机/开）按钮约5秒钟，来解除键锁。



资料

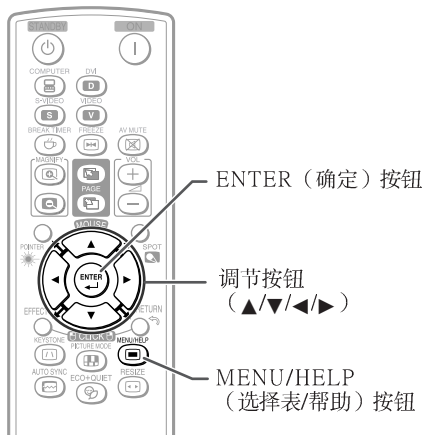
- 当投影机处于下列状态时键锁功能不能设定：显示著“设置指南”或选择表画面时、待机模式、正在预热、正在改变输入信号、运行“自动同步”功能、在“静止”模式下、或者正在预热显示出“系统锁”画面时。

用“帮助”选择表排除故障

使用本功能可帮助排除在使用中出现的问题。

使用“帮助”选择表功能

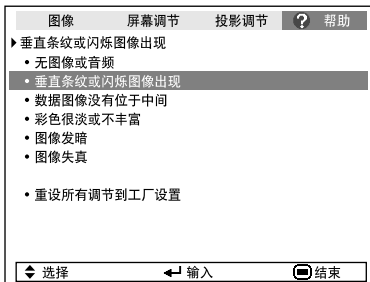
举例：当出现图像闪烁时在投射出电脑RGB信号时，操作解决图像闪烁。



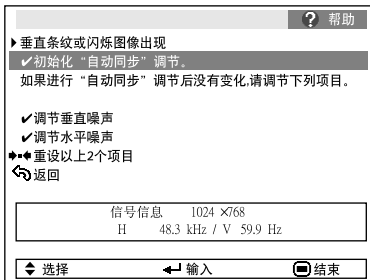
1 按**MENU/HELP** (选择表/帮助)。

2 按**◀**或**▶**来选择“帮助”，然后按**ENTER** (确定)。

3 按**▲**或**▼**来选择“帮助”选择表上的“垂直条纹或闪烁图像出现”，然后按**ENTER** (确定)。



↓ 按**ENTER** (确定)。



4 选择“初始化“自动同步”调节”，然后按**ENTER** (确定)。

5 如果影像没有改善，那么请选择“调节水平噪声”，然后按**ENTER** (确定)。

6 按**◀**或**▶**，来调节。



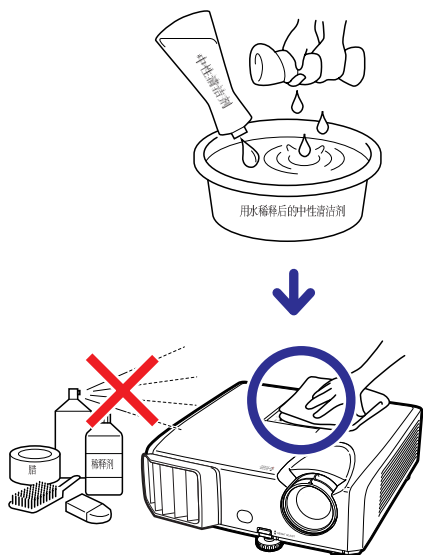
注

- 可调节有检查标记(✓)的项目。
- 根据输入信号或所选择的设置不同，“帮助”选择表中的项目也会有不同。
- 如果问题不能解决，那么请参阅“故障排除”（参阅第63和64页）。
- 在“图像模式”中选择了“sRGB”时，“彩色很淡或不丰富”项目就不会显示出来。这表示不能改变输入信号类型。

保养

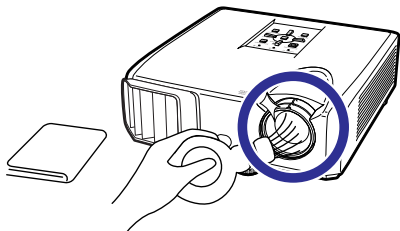
清洁投影机

- 在清扫投影机之前，请确认已将电源线从电源插座中拔出。
- 机壳和操作面板由塑料制成。请勿使用苯或稀释剂，否则会损坏外壳装潢。
- 请勿在投影机上使用杀虫剂等挥发性溶液。请勿将橡胶或塑料制品长时间附著于投影机上。塑料中的某些成分可能会使投影机的质量或装潢受损。
- 请用柔软的法兰绒布轻轻擦除污垢。
- 若污垢不易清除，那么请用布在用水稀释后的中性清洁剂中浸湿、并充分拧干后，再擦拭投影机。强性清洁剂可能会使投影机上的涂覆层褪色、变形或损坏。在使用之前，请务必在投影机上不引人注目的小地方先做试验。



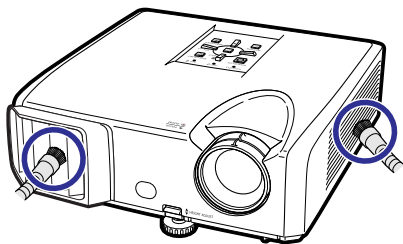
清洁镜头

- 用市售的吹风机或擦镜纸（用于眼镜和照相机镜头）来清洁镜头。请勿使用任何液体类型的清洁剂，否则可能损坏镜头表面的镀膜。
- 因为镜头表面很容易损坏，请务必小心勿使镜头受到刮擦或碰撞。



清洁排风口和进风口

- 用真空吸尘器从排风口和进风口上将灰尘吸除。



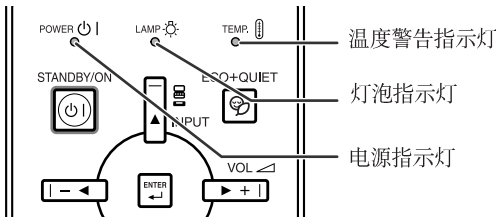
资料

- 如果想在投影机运行期间清扫通风口，那么请务必先按投影机上的**STANDBY/ON**（待机/开）或遥控器上的**STANDBY**（待机），使投影机进入待机模式。在冷却风扇停止转动之后，再清扫通风口。

保养指示灯

- 投影机上的警告指示灯（电源指示灯、灯泡指示灯、温度警告指示灯）用来指示投影机内部所产生的问题。
- 如果出现问题，温度警告指示灯或灯泡指示灯就会以红色点亮，并且投影机就会进入待机模式。在投影机进入待机模式之后，请按照下述步骤进行操作。

顶视图



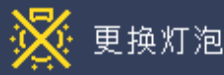
关于温度警告指示灯



温度

如果由于通风口堵塞或安装位置不妥而导致投影机内部温度上升，图像的左下角上就会亮起“温度”。如果温度继续升高，那么灯泡就会熄灭，并且温度警告指示灯就会闪烁，冷却风扇将转动，然后投影机就会进入待机模式。在出现“温度”之后，请务必执行第51页所述的措施。

关于灯泡指示灯



更换灯泡

- 当灯泡寿命的剩余时间达到或少于5%时，屏幕上就会显示出（黄色）和“更换灯泡”。当灯泡寿命变为0%时，就会变成（红色），灯泡就会自动熄灭，然后投影机就会自动进入待机模式。此时，灯泡指示灯就会以红色点亮。
- 如果不更换灯泡而第4次试图打开投影机电源，那么投影机的电源就不再被打开了。

投影机上的指示灯

| | | |
|---------|------|------------------------|
| 电源指示灯 | 红色点亮 | 正常（待机） |
| | 绿色点亮 | 正常（电源开） |
| | 红色闪烁 | 不正常（参阅第51页） |
| | 绿色闪烁 | 正常（冷却） |
| 灯泡指示灯 | 绿色点亮 | 正常 |
| | 绿色闪烁 | 灯泡正在预热。 |
| | 红色点亮 | 灯泡不正常地关闭或需要更换。（参阅第51页） |
| 温度警告指示灯 | 关 | 正常 |
| | 红色点亮 | 内部温度异常高。（参阅第51页） |

| | 保养指示灯 | | 问题 | 原因 | 可能的解决办法 |
|---------|--------------------------|----------|----------------------|---------------------------------|--|
| | 正常 | 不正常 | | | |
| 温度警告指示灯 | 关 | 红色点亮（待机） | 内部温度异常高。 | • 通风口堵塞 | • 将投影机放到通风良好之处。（参阅第8页） |
| | | | | • 冷却风扇损坏 • 内部电路故障 • 通风口堵塞 | • 将投影机送到就近SHARP公司授权的投影机经销商或服务中心修理。 |
| 灯泡指示灯 | 绿色点亮（当灯泡正在预热或正在关闭时绿色闪烁。） | 红色点亮 | 灯泡不亮。 | • 灯泡不正常地关闭 | • 从交流电源插座中拔出电源线，然后重新插上。 |
| | | | 已到更换灯泡的时间了。 | • 灯泡剩余寿命只剩下5%或更少 | • 小心地更换灯泡。（参阅第52页） |
| | | 红色点亮（待机） | 灯泡不亮。 | • 灯泡烧坏 • 灯泡电路故障 | • 将投影机送到就近SHARP公司授权的投影机经销商或服务中心修理。 • 更换灯泡时操作必须十分小心。 • 可靠地装好灯泡组件盖子。 |
| 电源指示灯 | 绿色点亮/红色点亮绿色闪烁（冷却） | 红色闪烁 | 投影机电源打开时，电源指示灯以红色闪烁。 | • 灯泡组件盖子没有盖好。 | • 即使灯泡组件盖子已安装牢固，如果电源指示灯仍然红色闪烁，那么请与就近SHARP公司授权的投影机经销商或服务中心接洽请求帮助。 |



资料

- 如果温度警告指示灯点亮、并且投影机进入待机模式，那么请按照上述可能的解决办法进行操作，然后在插入电源线、并再次打开电源之前，请等待到投影机完全冷却下来。（至少10分钟）
- 在使用投影机时，如果由于断电或某些其他原因而导致电源短暂关闭、并接着又立即恢复供电，那么灯泡指示灯就会以红色点亮，并且灯泡可能不点亮。在此情况下，请从交流电源插座中拔出电源线，然后重新将电源线插入交流电源插座，接着再次打开电源。
- 冷却风扇具有保持投影机内部温度恒定的功能，该功能是在自动控制下运行的。在运行时，由于冷却风扇的速度可能改变，所以风扇的声音也可能有变化，这不是故障。

关于灯泡

灯泡

- 当灯泡的剩余寿命达到或少于5%时，或当注意到图像和颜色的质量有明显下降时，建议此时应更换灯泡（单独出售）。可用屏幕显示来检查灯泡寿命（百分比）。（参阅第47页）
- 在购买本投影机之处、就近SHARP公司授权的投影机经销商或服务中心购买AN-F212LP型更换用的灯泡。

关于灯泡的注意事项

- 本投影机使用高压水银灯泡。如果发出巨大响声，那么可能表示灯泡已失效。灯泡失效会有多种原因，例如强烈冲击、冷却不当、表面划伤、或随使用时间推移灯泡性能退化等。灯泡到失效为止的时间很大程度上取决于每个灯泡本身和（或）使用条件、以及使用频繁程度。重要的是要注意灯泡失效经常会引起灯泡破裂。
- 当灯泡更换指示灯和屏幕显示图标点亮时，即使灯泡看起来还正常运行，也建议立即用新灯泡进行更换。
- 如果灯泡破裂，那么玻璃碎屑可能会散落在投影机内。此时，建议与就近SHARP公司授权的投影机经销商或服务中心接洽，确保安全操作。
- 如果灯泡破裂，那么玻璃碎屑可能会散落在灯罩内，灯泡内的气体可能会从排风口进入室内。因为该灯泡内的气体含有水银，所以若灯泡破裂，就应使房间良好通风，避免暴露于释放出的气体中。万一接触该气体，那么请尽快找医生就诊。

更换灯泡

注意

- 刚使用完投影机后，请勿立即从投影机中取出灯泡组件。此时灯泡非常热，接触灯泡可能会引起燃烧或伤害。
 - 电源线断开后至少要等 1 小时之后再取下灯泡，使灯泡表面完全冷却下来。
 - 按照本节所述说明小心更换灯泡。*如果需要，也可委托就近SHARP公司授权的投影机经销商或服务中心更换灯泡。
- * 如果更换后新灯泡不亮，那么请将投影机送到就近SHARP公司授权的投影机经销商或服务中心修理。

拆卸和安装灯泡组件

警告！

- 刚使用后，请勿将灯泡组件从投影机中取出。灯泡和灯泡周边的部件会非常热，可能引起燃烧或伤害。

资料

- 请勿接触灯泡组件上的玻璃表面或投影机内部。
- 为避免受伤和损坏灯泡，请务必仔细地按照下述步骤进行操作。
- 除灯泡组件盖子和灯泡组件用的螺钉之外，请勿拧松其他螺钉。

1 按投影机上的**STANDBY/ON**（待机/开）或遥控器上的**STANDBY**（待机），使投影机进入待机模式。

- 等到冷却风扇停转。

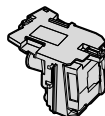
2 断开电源线。

- 从交流电插口中拔出电源线。
- 等待灯泡完全冷却下来（约1小时）。

3 拆卸灯泡组件盖子。

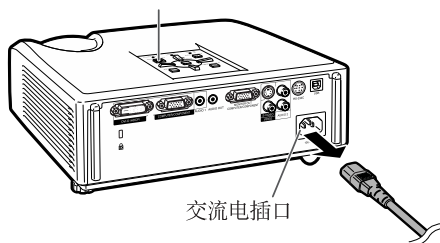
- 将投影机翻过来。松开固定灯泡组件盖子的用户保养螺钉(①)。卸下灯泡组件盖子(②)。

选购
的附件

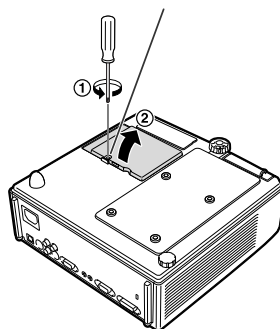


灯泡组件
AN-F212LP

STANDBY/ON（待机/开）按钮



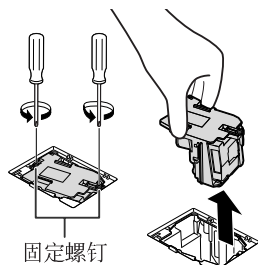
用户保养螺钉
（用于灯泡组件盖子）



关于灯泡（续）

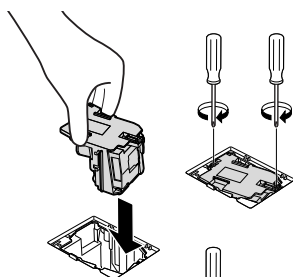
4 拆卸灯泡组件。

- 从灯泡组件上卸下固定螺钉。握住灯泡组件，沿箭头所示方向将其拉出。此时，请将灯泡组件保持水平状态，不要倾斜。



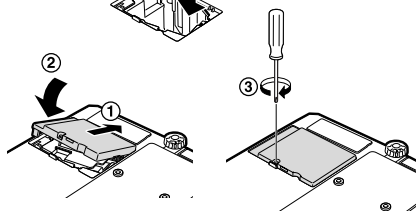
5 插入新的灯泡组件。

- 将灯泡组件可靠地按入到灯泡组件舱内。拧紧固定螺钉。



6 重新装上灯泡组件盖子。

- 对齐灯泡组件盖子上的凸片(①)，一边按凸片(②)、一边将其放入并盖好。然后拧紧用户保养螺钉(③)，固定灯泡组件盖子。



资料

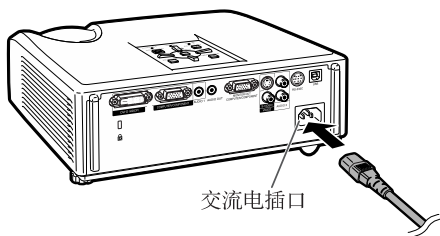
- 如果灯泡组件和灯泡组件盖子安装得不正确，那么即使电源线连接到了投影机上，投影机的电源也不能打开。

使灯泡计时器复原

更换灯泡后，请使灯泡计时器复原。

资料

- 请务必注意，只有在更换灯泡时才能使灯泡计时器复原。如果使灯泡计时器复原而又继续使用同一个灯泡，这就可能引起灯泡损坏或爆炸。

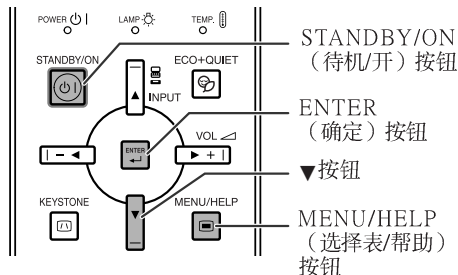


1 连接电源线。

- 将电源线插入到投影机上的交流电插口中。

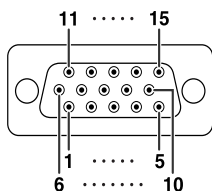
2 使灯泡计时器复原。

- 在按住投影机上的 **MENU/HELP**（选择表/帮助）、**ENTER**（确定）和 **▼** 的同时，按投影机上的 **STANDBY/ON**（待机/开）。
- “LAMP 0000H” 就会显示出来，表示灯泡计时器已经复原。



连接插脚的分配

COMPUTER/COMPONENT输入端子以及COMPUTER/COMPONENT输出端子：15针微型D-sub凹型插座



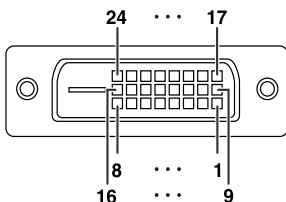
COMPUTER（电脑）输入/输出

| 针脚号 | 信号 |
|-----|--------------|
| 1. | 视频输入（红） |
| 2. | 视频输入（绿/绿色同步） |
| 3. | 视频输入（蓝） |
| 4. | 不连接 |
| 5. | 不连接 |
| 6. | 地（红） |
| 7. | 地（绿/绿色同步） |
| 8. | 地（蓝） |
| 9. | 不连接 |
| 10. | 接地 |
| 11. | 不连接 |
| 12. | 双向数据 |
| 13. | 水平同步信号：TTL电平 |
| 14. | 垂直同步信号：TTL电平 |
| 15. | 数据时钟 |

COMPONENT（色差信号）输入/输出

| 针脚号 | 信号 |
|-----|--------|
| 1. | PR（CR） |
| 2. | Y |
| 3. | PB（CB） |
| 4. | 不连接 |
| 5. | 不连接 |
| 6. | 地（PR） |
| 7. | 地（Y） |
| 8. | 地（PB） |
| 9. | 不连接 |
| 10. | 不连接 |
| 11. | 不连接 |
| 12. | 不连接 |
| 13. | 不连接 |
| 14. | 不连接 |
| 15. | 不连接 |

DVI-D端子：24针端子（仅限XR-H825XA）

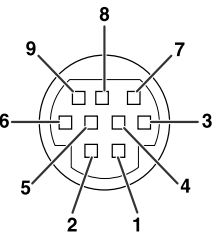


| 针脚号 | 信号 |
|-----|-----------------|
| 1. | T.M.D.S 数据 2— |
| 2. | T.M.D.S 数据 2+ |
| 3. | T.M.D.S 数据 2 屏蔽 |
| 4. | 不连接 |
| 5. | 不连接 |
| 6. | DDC 时钟 |
| 7. | DDC 数据 |
| 8. | 不连接 |
| 9. | T.M.D.S 数据 1— |
| 10. | T.M.D.S 数据 1+ |
| 11. | T.M.D.S 数据 1 屏蔽 |
| 12. | 不连接 |
| 13. | 不连 |
| 14. | +5V 电源 |
| 15. | 接地 |

| 针脚号 | 信号 |
|-----|-----------------|
| 16. | 热拔插侦测 |
| 17. | T.M.D.S 数据 0— |
| 18. | T.M.D.S 数据 0+ |
| 19. | T.M.D.S 数据 0 屏蔽 |
| 20. | 不连接 |
| 21. | 不连接 |
| 22. | T.M.D.S 时钟屏蔽 |
| 23. | T.M.D.S 时钟+ |
| 24. | T.M.D.S 时钟— |

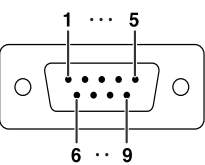
连接插脚的分配（续）

RS-232C端子：9针微型DIN凹型插座



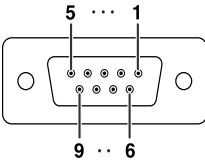
| 插脚序号 | 信号 | 名称 | 入/出 | 参考 |
|------|----|------|-----|------------|
| 1. | | | | 不连接 |
| 2. | RD | 接收数据 | 输入 | 连接到内部电路 |
| 3. | SD | 发送数据 | 输出 | 连接到内部电路 |
| 4. | | | | 不连接 |
| 5. | SG | 信号地线 | | 连接到内部电路 |
| 6. | | | | 不连接 |
| 7. | RS | 请求发送 | | 连接到内部电路的CS |
| 8. | CS | 清除发送 | | 连接到内部电路的RS |
| 9. | | | | 不连接 |

RS-232C端子：DIN-D-sub RS-232C转接头的9针D-sub凸型插头



| 插脚序号 | 信号 | 名称 | 入/出 | 参考 |
|------|----|------|-----|------------|
| 1. | | | | 不连接 |
| 2. | RD | 接收数据 | 输入 | 连接到内部电路 |
| 3. | SD | 发送数据 | 输出 | 连接到内部电路 |
| 4. | | | | 不连接 |
| 5. | SG | 信号地线 | | 连接到内部电路 |
| 6. | | | | 不连接 |
| 7. | RS | 请求发送 | | 连接到内部电路的CS |
| 8. | CS | 清除发送 | | 连接到内部电路的RS |
| 9. | | | | 不连接 |

RS-232C电缆推荐连接：9针D-sub凹型插座



| 插脚序号 | 信号 | 插脚序号 | 信号 |
|------|----|------|----|
| 1. | CD | 1. | CD |
| 2. | RD | 2. | RD |
| 3. | SD | 3. | SD |
| 4. | ER | 4. | ER |
| 5. | SG | 5. | SG |
| 6. | DR | 6. | DR |
| 7. | RS | 7. | RS |
| 8. | CS | 8. | CS |
| 9. | CI | 9. | CI |

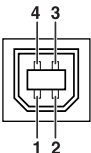


注

- 根据所用的控制器材不同，可能需要将控制器材的第4插脚与第6插脚连接起来（例如电脑）。



USB 端子：B 型USB 端子



| 针脚号 | 信号 | 名称 |
|-----|------|----------|
| 1. | VCC | USB 电源 |
| 2. | USB- | USB 数据 - |
| 3. | USB+ | USB 数据 + |
| 4. | SG | 信号接地 |



RS-232C 规格和指令设置

电脑控制

将 RS-232C 串行控制接线（绞接型，商店有售）连接到投影机上，就可以用电脑来控制投影机。
（关于连接方法，请参阅第 24 页。）

通信条件

让电脑的序列参数与下列设定一致。

信号格式：符合 RS-232C 标准。

波特率*：9,600 bps/115,200 bps

数据长度：8 位

奇偶校正位：无

停止位：1 位

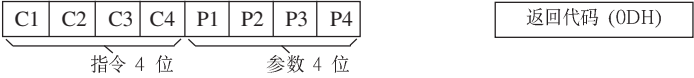
流控制：无

*将投影机的波特率设为与电脑使用的波特率相同。

基本格式

来自电脑的指令按下列顺序发送：指令、参数和返回代码。投影机处理来自电脑的指令后，将响应代码发送给电脑。

指令格式



响应代码格式

正常响应

异常响应（通信错误或错误指令）



资料

- 当使用来自电脑的 RS-232C 指令来控制投影机时，要在打开电源之后至少等待 30 秒钟，然后再发送指令。
- 发送输入选择或图像调节指令并接收到“OK”（确定）响应代码之后，投影机可能需要一段时间来处理指令。投影机仍然在处理首个指令时，如果发送另一指令，则可能接收到“ERR”（错误）响应代码。此时，请尝试重新发送第二个指令。
- 当要发送不止一条的指令时，要在来自投影机的前一条指令的响应码得到验证之后，再发送下一条指令。
- “POWR????” “TABN _ _ _ 1” “TLPS _ _ _ 1” “TPOW _ _ _ 1” “TLPN _ _ _ 1” “TLTT _ _ _ 1” “TLTM _ _ _ 1” “TLTL _ _ _ 1” “TNAM _ _ _ 1” “MNRD _ _ _ 1” “PJN0 _ _ _ 1”
 - 当投影机接收到如上所示的特殊指令时：
 - * 屏幕显示不会消失。
 - * “自动关机”的时间不会被重新设置（不会复原）。
 - 特殊指令用于需要连续查询的应用程式。



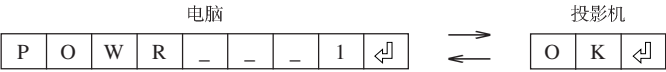
注

- 如果在参数栏中有一条“下横线”（_），那么请输入一个空格。
- 如果在参数栏中有一个“星号”（*），那么请输入一个“控制内容”下括弧中所示范围内的数值。
 - *1 在设置投影机名称时，以 PJN1、PJN2 和 PJN3 的顺序发送指令。
 - *2 仅发送“IRGB _ _ _ 2”指令并接收到“OK”响应代码之后，才能发送该指令。
 - *3 灯泡计时器复原指令仅在待机模式下可以使用。

RS-232C 规格和指令设置（续）

指令

举例：在打开投影机电源时，进行如下设置。



| 控制内容 | | 指令 | 参数 | 返回 | | |
|--------------|----------------------------------|---------|-----------|--|---|----------|
| | | | | 电源开 | 待机模式 (或30秒启动时间) | |
| 电源 | 开 | P O W R | - - - 1 | OK (正确) 或ERR (错误) | OK | |
| | 关 | P O W R | - - - 0 | OK | OK (正确) 或ERR (错误) | |
| | 状态 | P O W R | ? ? ? ? 1 | | 0 | |
| 投影机状况 | | T A B N | - - - 1 | 0: 正常 1: 高温 8: 灯泡残率5%或更小 16: 灯泡烧坏 32: 灯泡点亮失败 | 0: 正常 1: 高温 2: 风扇错误 4: 盖打开 8: 灯泡残率5%或更小 16: 灯泡烧坏 32: 灯泡点亮失败 64: 温度极高 | |
| | 状态 | T L P S | - - - 1 | 0: 关, 1: 开, 2: 重试, 3: 等待, 4: 灯泡错误 | 0: 关, 4: 灯泡错误 | |
| 灯泡 | 电源状态 | T P O W | - - - 1 | 1: 开, 2: 冷却 | 0: 待机 | |
| | 数量 | T L P N | - - - 1 | 1 | | |
| | 使用时间 (小时) | T L T T | - - - 1 | 0-9999 (整数) | | |
| | 使用时间 (分钟) | T L T M | - - - 1 | 0, 15, 30, 45 | | |
| | 残率 (百分比) | T L T L | - - - 1 | 0%-100% (整数) | | |
| | 型号名称核对 | T N A M | - - - 1 | XR-H825XA/XRM825XA/XRH825SA | | |
| 名 | 型号名称核对 | M N R D | - - - 1 | XR-H825XA/XR-M825XA/XR-H825SA | | |
| | 投影机名设定1 (最初的4个字符)*1 | P J N 1 | * * * * | OK (正确) 或ERR (错误) | | |
| | 投影机名设定2 (中间的4个字符)*1 | P J N 2 | * * * * | OK (正确) 或ERR (错误) | | |
| | 投影机名设定3 (最后的4个字符)*1 | P J N 3 | * * * * | OK (正确) 或ERR (错误) | | |
| | 投影机名核对 | P J N 0 | - - - 1 | 投影机名 | | |
| | 电脑 | I R G B | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) | |
| | DVI | I R G B | - - - 2 | OK (正确) 或ERR (错误) | ERR (错误) | |
| 输入改变 | DVI-D-电脑选择*2 | I B D S | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) | |
| | DVI-D-视频选择*2 | I B D S | - - - 2 | OK (正确) 或ERR (错误) | ERR (错误) | |
| | DVI-模拟选择*2 | I B D S | - - - 3 | OK (正确) 或ERR (错误) | ERR (错误) | |
| | S-视频 | I V E D | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) | |
| | 视频 | I V E D | - - - 2 | OK (正确) 或ERR (错误) | ERR (错误) | |
| | 输入RGB检查 | I R G B | ? ? ? ? | 1: 电脑, 2: DVI (仅限 XR-H825XA) 或ERR (错误) | ERR (错误) | |
| | 输入视频检查 | I V E D | ? ? ? ? | 1: S-视频, 2: 视频或ERR (错误) | ERR (错误) | |
| | 输入模式检查 | I M O D | ? ? ? ? | 1: RGB, 2: 视频 | ERR (错误) | |
| | 输入检查 | I C H K | ? ? ? ? | 1: 电脑 2: DVI (仅限 XR-H825XA) 3: S-视频 4: 视频 | ERR (错误) | |
| | 音量 | V O L A | - - - * * | OK (正确) 或ERR (错误) | ERR (错误) | |
| | 音量大小 (小(-10 ~ +10) | V O U D | - - - * * | OK (正确) 或ERR (错误) | ERR (错误) | |
| | 梯形失真 | K E Y S | * * * * | OK (正确) 或ERR (错误) | ERR (错误) | |
| AV消音 | -80 ~ +80 (XGA)/-40 ~ +40 (SVGA) | I M B K | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) | |
| | 开 | I M B K | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) | |
| 静止 | 开 | F R E Z | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) | |
| | 关 | F R E Z | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) | |
| 自动同步 改变尺寸 | 开始 | A D J S | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) | |
| | 电脑 | 正常 | R A S R | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 伸展 | R A S R | - - - 2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 原样显示 | R A S R | - - - 3 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 全屏 | R A S R | - - - 5 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 边框 | R A S R | - - - 6 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 区域变焦 | R A S R | - - - 10 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 垂直伸展 | R A S R | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | DVI | R B S R | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | DVI | 正常 | R B S R | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 伸展 | R B S R | - - - 2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 原样显示 | R B S R | - - - 3 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 全屏 | R B S R | - - - 5 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 边框 | R B S R | - - - 6 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 区域变焦 | R B S R | - - - 10 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 垂直伸展 | R B S R | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 垂直伸展 | R B S R | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |

仅限于XR-H825XA。

| 控制内容 | | | 指令 | 参数 | 返回 | |
|--------------|------|-----------|---------|------|-------------------|--------------------|
| | | | | | 电源开 | 待机模式 (或30秒启动时间) |
| 改变尺寸 | S-视频 | 正常 | R A S V | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 伸展 | R A S V | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 边框 | R A S V | --3 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 区域变焦 | R A S V | --10 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 垂直伸展 | R A S V | --11 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 视频 | 正常 | R B S V | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 伸展 | R B S V | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 边框 | R B S V | --3 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 区域变焦 | R B S V | --10 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 垂直伸展 | R B S V | --11 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | | A L R E | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| 全部重置 电脑输入 | 图像模式 | 标准 | R A P S | --10 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 讲演 | R A P S | --11 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 影院 | R A P S | --12 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 游戏 | R A P S | --13 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | sRGB | R A P S | --14 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 对比度 | -30 ~ +30 | R A P I | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 亮度 | R A B R | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | 红色 | -30 ~ +30 | R A R D | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 蓝色 | R A B E | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | 颜色 | -30 ~ +30 | R A C O | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 色调 | R A T I | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | 锐度 | -30 ~ +30 | R A S H | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 色温 | R A C T | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | 增强白色 | 0 ~ +2 | R A W E | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | 渐进 | 2 维渐进 | R A I P | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 3 维渐进 | R A I P | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 电影模式 | 电影模式 | R A I P | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 数码降噪 | 关 | R A N R | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 1级 | R A N R | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 2级 | R A N R | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 图像复原 | | R A R E | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 信号类型 | 自动 | I A S I | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | RGB | I A S I | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 色差信号 | 色差信号 | I A S I | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 音频输入 | R A A I | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| DVI输入 | 图像模式 | Audio 1 | R A A I | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | Audio 2 | R A A I | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 标准 | R B P S | --10 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 讲演 | R B P S | --11 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 影院 | R B P S | --12 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 游戏 | R B P S | --13 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | sRGB | R B P S | --14 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 对比度 | -30 ~ +30 | R B P I | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 亮度 | R B B R | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | 红色 | -30 ~ +30 | R B R D | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 蓝色 | R B B E | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | 颜色 | -30 ~ +30 | R B C O | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 色调 | R B T I | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | 锐度 | -30 ~ +30 | R B S H | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 色温 | R B C T | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | 增强白色 | 0 ~ +2 | R B W E | --** | OK (正确) 或ERR (错误) | ERR (错误) |
| | 渐进 | 2 维渐进 | R B I P | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 3 维渐进 | R B I P | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 电影模式 | 电影模式 | R B I P | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 数码降噪 | 关 | R B N R | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 1级 | R B N R | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 2级 | R B N R | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 图像复原 | | R B R E | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 信号类型 | 自动 | I B S I | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | RGB | I B S I | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 色差信号 | 色差信号 | I B S I | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 音频输入 | Audio 1 | R B A I | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | Audio 2 | R B A I | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 动态范围 | 自动 | H M B D | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 标准 | H M B D | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 增强 | 增强 | H M B D | --2 | OK (正确) 或ERR (错误) | ERR (错误) |

□ 仅限于XR-H825XA。

RS-232C 规格和指令设置（续）

| 控制内容 | | | 指令 | 参数 | 返回 | |
|----------|--------------|---------|---------|--------|-------------------|--------------------|
| | | | | | 电源开 | 待机模式 (或30秒启动时间) |
| S-视频输入 | 图像模式 | 标准 | V A P S | --1 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 讲演 | V A P S | --1 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 影院 | V A P S | --1 2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 游戏 | V A P S | --1 3 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 对比度 | V A P I | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 亮度 | V A B R | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 红色 | V A R D | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 蓝色 | V A B E | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 颜色 | V A C O | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 色调 | V A T I | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | 渐进 | 锐度 | V A S H | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 色温 | V A C T | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 增强白色 | V A W E | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 2维渐进 | V A I P | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 3维渐进 | V A I P | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 电影模式 | V A I P | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 数码抑噪 | 关 | V A N R | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 1级 | V A N R | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 2级 | V A N R | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 图像复原 | | V A R E | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 音频输入 | Audio 1 | V A A I | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | Audio 2 | V A A I | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| 视频输入 | 图像模式 | 标准 | V B P S | --1 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 讲演 | V B P S | --1 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 影院 | V B P S | --1 2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 游戏 | V B P S | --1 3 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 对比度 | V B P I | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 亮度 | V B B R | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 红色 | V B R D | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 蓝色 | V B B E | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 颜色 | V B C O | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 色调 | V B T I | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | 渐进 | 锐度 | V B S H | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 色温 | V B C T | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 增强白色 | V B W E | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 2维渐进 | V B I P | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 3维渐进 | V B I P | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 电影模式 | V B I P | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 数码抑噪 | 关 | V B N R | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 1级 | V B N R | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 2级 | V B N R | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 图像复原 | | V B R E | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 音频输入 | Audio 1 | V B A I | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | | Audio 2 | V B A I | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| 彩色管理系统设置 | 开 | | C M C S | --1 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 关 | | C M C S | --0 | OK (正确) 或ERR (错误) | ERR (错误) |
| C.M.S | 色度 | 红色 | C M H R | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 黄色 | C M H Y | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 绿色 | C M H G | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 青色 | C M H C | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 蓝色 | C M H B | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 洋红色 | C M H M | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 复原 | C M R E | --2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 饱和度 | 红色 | C M S R | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 黄色 | C M S Y | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 绿色 | C M S G | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 青色 | C M S C | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 蓝色 | C M S B | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 洋红色 | C M S M | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 复原 | C M R E | --3 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 亮度 | 红色 | C M V R | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 黄色 | C M V Y | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 绿色 | C M V G | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 青色 | C M V C | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 蓝色 | C M V B | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 洋红色 | C M V M | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | | 复原 | C M R E | --4 | OK (正确) 或ERR (错误) | ERR (错误) |
| | C.M.S.全部复原 | | C M R E | --1 | OK (正确) 或ERR (错误) | ERR (错误) |
| 时钟 | +150 -- +150 | | I N C L | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | 相位 | | I N P H | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | 水平位置 | | I A H P | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | 垂直位置 | | I A V P | --** * | OK (正确) 或ERR (错误) | ERR (错误) |
| | 同步微调调节重设 | | I A R E | --1 | OK (正确) 或ERR (错误) | ERR (错误) |

□ 仅限于XR-H825XA。

| 控制内容 | | 指令 | 参数 | 返回 | |
|------------|------------------------------------|---------|----------|-----------------------|--------------------|
| | | | | 电源开 | 待机模式 (或30秒启动时间) |
| 图像移动 | -96 -- +96 (XGA)/-75 -- +75 (SVGA) | L N D S | - * * * | OK (正确) 或ERR (错误) | ERR (错误) |
| 屏幕显示 | 开 | I M D I | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 关 | I M D I | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| 视频制式 | 自动 | M E S Y | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | PAL | M E S Y | - - - 2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | SECAM | M E S Y | - - - 3 | OK (正确) 或ERR (错误) | ERR (错误) |
| | NTSC4.43 | M E S Y | - - - 4 | OK (正确) 或ERR (错误) | ERR (错误) |
| | NTSC3.58 | M E S Y | - - - 5 | OK (正确) 或ERR (错误) | ERR (错误) |
| | PAL-M | M E S Y | - - - 6 | OK (正确) 或ERR (错误) | ERR (错误) |
| | PAL-N | M E S Y | - - - 7 | OK (正确) 或ERR (错误) | ERR (错误) |
| | PAL-60 | M E S Y | - - - 8 | OK (正确) 或ERR (错误) | ERR (错误) |
| 背景选择 | 标识 | I M B G | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 蓝色 | I M B G | - - - 3 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 无 | I M B G | - - - 4 | OK (正确) 或ERR (错误) | ERR (错误) |
| 灯泡设定 | 亮度 | T H M D | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 节能 + 静音 | T H M D | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| 自动同步 | 开 | A A D J | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 关 | A A D J | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| 自动关机功能 | 开 | A P O W | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 关 | A P O W | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| 自动重新启动 | 开 | A R E S | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 关 | A R E S | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| 待机模式 | 标准 | M O U T | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 节能 | M O U T | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| 投影模式 | 反向 | I M R E | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 关 | I M R E | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 倒置 | I M I N | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 关 | I M I N | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| 语言 | English | M E L A | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | Deutsch | M E L A | - - - 2 | OK (正确) 或ERR (错误) | ERR (错误) |
| | Español | M E L A | - - - 3 | OK (正确) 或ERR (错误) | ERR (错误) |
| | Nederlands | M E L A | - - - 4 | OK (正确) 或ERR (错误) | ERR (错误) |
| | Français | M E L A | - - - 5 | OK (正确) 或ERR (错误) | ERR (错误) |
| | Italiano | M E L A | - - - 6 | OK (正确) 或ERR (错误) | ERR (错误) |
| | Svenska | M E L A | - - - 7 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 日本語 | M E L A | - - - 8 | OK (正确) 或ERR (错误) | ERR (错误) |
| | Português | M E L A | - - - 9 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 汉语 | M E L A | - - - 10 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 한국어 | M E L A | - - - 11 | OK (正确) 或ERR (错误) | ERR (错误) |
| | Русский | M E L A | - - - 12 | OK (正确) 或ERR (错误) | ERR (错误) |
| | عربي | M E L A | - - - 13 | OK (正确) 或ERR (错误) | ERR (错误) |
| | polski | M E L A | - - - 14 | OK (正确) 或ERR (错误) | ERR (错误) |
| | Türkçe | M E L A | - - - 15 | OK (正确) 或ERR (错误) | ERR (错误) |
| | فارسی | M E L A | - - - 16 | OK (正确) 或ERR (错误) | ERR (错误) |
| | Magyer | M E L A | - - - 17 | OK (正确) 或ERR (错误) | ERR (错误) |
| 设置指南 | 开 | S E G U | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 关 | S E G U | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| 确认音 | 开 | S S N D | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 关 | S S N D | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| 内置扬声器 | 开 | A S P K | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 关 | A S P K | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| RGB频率检查 | 水平 | T F R Q | - - - 1 | kHz (***,* 或ERR (错误)) | ERR (错误) |
| | 垂直 | T F R Q | - - - 2 | Hz (***,* 或ERR (错误)) | ERR (错误) |
| 风扇模式 | 正常 | H L M D | - - - 0 | OK (正确) 或ERR (错误) | ERR (错误) |
| | 高 | H L M D | - - - 1 | OK (正确) 或ERR (错误) | ERR (错误) |
| 灯泡计时器复原 *3 | | L P R E | 0 0 0 1 | ERR (错误) | OK (正确) 或ERR (错误) |

电脑兼容性图表

电脑

- 支持多种信号
行频：15-110 kHz，
帧频：45-85 Hz，
- 像素时钟：12-170 MHz
同步信号：与TTL电平兼容
与绿色信号上的同步兼容

下面是符合VESA标准的电脑模式的清单。但本投影机也支持非VESA标准的其他信号。

| PC/MAC | 分辨率 | | 行频 (kHz) | 帧频 (Hz) | VESA标准 | *支持 DVI-D | 显示 | |
|---------|-------|-------------|----------|---------|--------|-----------|------------------------|-----------|
| | | | | | | | XR-H825XA XR-M825XA | XR-H825SA |
| PC | VGA | 640 × 350 | 27.0 | 60 | | | 提高档次显示 | 提高档次显示 |
| | | | 31.5 | 70 | | | | |
| | | | 37.5 | 85 | 4 | | | |
| | | 640 × 400 | 27.0 | 60 | | | | |
| | | | 31.5 | 70 | | 4 | | |
| | | | 37.9 | 85 | 4 | | | |
| | | 720 × 350 | 27.0 | 60 | | | | |
| | | | 31.5 | 70 | | | | |
| | | | 27.0 | 60 | | | | |
| | | 720 × 400 | 31.5 | 70 | | | | |
| | | | 27.0 | 60 | | | | |
| | | | 31.5 | 70 | | | | |
| | SVGA | 800 × 600 | 26.2 | 80 | 4 | | 提高档次显示 | 提高档次显示 |
| | | | 31.5 | 60 | 4 | | | |
| | | | 34.7 | 70 | | | | |
| | | | 37.9 | 72 | 4 | | | |
| | | | 37.5 | 75 | 4 | | | |
| | | | 43.3 | 85 | 4 | | | |
| | | | 31.4 | 50 | | | | |
| | | | 35.2 | 56 | 4 | | | |
| | | | 37.9 | 60 | 4 | | | |
| | | | 46.6 | 70 | | | | |
| | | | 48.1 | 72 | 4 | | | |
| | | | 46.9 | 75 | 4 | | | |
| | XGA | 1024 × 768 | 53.7 | 85 | 4 | | 真实显示 | 真实显示 |
| | | | 40.3 | 50 | | | | |
| | | | 48.4 | 60 | 4 | | | |
| | | | 56.5 | 70 | 4 | | | |
| | | | 60.0 | 75 | 4 | | | |
| | | | 68.7 | 85 | 4 | | | |
| | WXGA | 1280 × 720 | 45.0 | 60 | | | 智能压缩 | 智能压缩 |
| | | | 47.8 | 60 | 4 | | | |
| | | | 49.7 | 60 | 4 | | | |
| | | | 62.8 | 75 | 4 | | | |
| | | | 47.7 | 60 | 4 | | | |
| | | | 47.8 | 60 | | | | |
| | SXGA | 1152 × 864 | 55.0 | 60 | | | | |
| | | | 66.2 | 70 | | | | |
| | | | 67.5 | 75 | 4 | | | |
| | | | 64.0 | 60 | 4 | | | |
| | | | 80.0 | 75 | 4 | | | |
| | | | 64.0 | 60 | | | | |
| | SXGA+ | 1400 × 1050 | 65.3 | 60 | 4 | | | |
| | | | 75.0 | 60 | | | | |
| | | | 67.5 | 60 | 4 | | | |
| | | | 34.9 | 67 | | | | |
| | | | 49.7 | 75 | | | | |
| | | | 60.2 | 75 | | | | |
| | | | 68.7 | 75 | | | | |
| MAC 13" | VGA | 640 × 480 | | | | | 提高档次显示 | 提高档次显示 |
| MAC 16" | SVGA | 832 × 624 | | | | | 真实显示 | 智能压缩 |
| MAC 19" | XGA | 1024 × 768 | | | | | 智能压缩 | |
| MAC 21" | SXGA | 1152 × 870 | | | | | | |

*仅限XR-H825XA

注




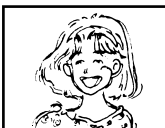

- 当本投影机接收640×350 VESA格式VGA信号时，屏幕上会显示出“640×400”。
- 使电脑的输出分辨率与上表“显示”栏中的“真实显示”的分辨率一致，即可获得最佳之影像品质。
- 当电脑的“螢幕解析度”不同于投射影像的分辨率时，请按照下述步骤进行操作。
 - 请参阅“帮助”选择表中对于“数据图像没有位于中间”的“选择解像度”部分，选择与电脑的“萤幕解析度”中的分辨率相同的分辨率。
 - 随所用电脑的不同，输出信号可能不会忠实地显示“萤幕解析度”的调节情况。请检查电脑信号输出设置。如果无法改变该设置，建议您将分辨率设为与“显示”栏中“真实显示”的分辨率一致。

DTV

| 信号 | 行频 (kHz) | 帧频 (Hz) | *支持 DVI-D (与 HDCP相容) | 信号 | 行频 (kHz) | 帧频 (Hz) | *支持 DVI-D (与 HDCP相容) |
|------|----------|---------|-------------------------|-------|----------|---------|-------------------------|
| 480I | 15.7 | 60 | | 720P | 45.0 | 60 | 4 |
| 480P | 31.5 | 60 | 4 | 1035I | 33.8 | 60 | 4 |
| 540P | 33.8 | 60 | | 1080I | 28.1 | 50 | 4 |
| 576I | 15.6 | 50 | | 1080I | 33.8 | 60 | 4 |
| 576P | 31.3 | 50 | 4 | 1080P | 56.3 | 50 | 4 |
| 720P | 37.5 | 50 | 4 | 1080P | 67.5 | 60 | 4 |

*仅限XR-H825XA

故障排除

| 问题 | 检查 | 页 |
|--|--|---------|
|  没有图像和声音，或投影机不能启动。 | <ul style="list-style-type: none"> • 投影机的电源线没有插入到墙上的插座中。 | 24 |
| | <ul style="list-style-type: none"> • 到外部连接设备的电源没有打开。 | — |
| | <ul style="list-style-type: none"> • 所选的输入模式错误。 | 29 |
| | <ul style="list-style-type: none"> • 接到投影机上的电缆连接得不正确。 | 21-24 |
| | <ul style="list-style-type: none"> • 遥控器电池已耗尽。 | 14 |
| | <ul style="list-style-type: none"> • 连接笔记本电脑时，没有设置外部输出。 | 21 |
| | <ul style="list-style-type: none"> • 灯泡组件盖子安装得不正确。 | 53, 54 |
|  能听到声音，但没有图像（或图像发暗）。 | <ul style="list-style-type: none"> • 接到投影机上的电缆连接得不正确。 | 21-24 |
| | <ul style="list-style-type: none"> • “亮度”设置在最小的位置。 | 41 |
| | <ul style="list-style-type: none"> • 取决于正在使用的电脑，可能只有当电脑的信号输出设置切换到外部输出时，投影机才能投射出影像。关于切换电脑信号输出设置的详情，请参阅电脑的使用说明书。 | — |
|  彩色很淡或不丰富。 | <ul style="list-style-type: none"> • 图像调节设置得不正确。 • 调节“图像模式”中的“颜色”和“色调”，并降“增强白色”的值。 | 41 |
| | （仅视频输入） <ul style="list-style-type: none"> • 视频输入系统设置得不正确。 | 48 |
|  图像模糊；出现杂波。 | <ul style="list-style-type: none"> • 调节聚焦。 | 26 |
| | <ul style="list-style-type: none"> • 投射距离超出了聚焦范围。 | 20 |
| | <ul style="list-style-type: none"> • 镜头上有雾。如果将投影机从一个较冷的房间搬到一个温暖的房间，或者如果投影机突然被加热，那么在镜头表面可能会结雾，影像就会变得模糊。在此情况下，在使用投影机之前，请将投影机至少放置一个小时。如果已经结雾，那么请将电源线从墙上的电源插座中拔出，并等待直到结雾消失为止。 | — |
| | （仅电脑输入） <ul style="list-style-type: none"> • 进行“同步微调”调节（“时钟”调节） | 48 |
| | <ul style="list-style-type: none"> • 进行“同步微调”调节（“相位”调节） • 可能由于电脑的原因引起杂波。 | 48 — |
|  有图像但没有声音。 | <ul style="list-style-type: none"> • 接到投影机上的电缆连接得不正确。 | 21-24 |
| | <ul style="list-style-type: none"> • 音量设置在最小的位置。 | 29 |
| | <ul style="list-style-type: none"> • 当投影机连接到外部设备而音量又设置为最小时，那么即使将外部设备的音量调大，也不能输出声音。 | — |
| | <ul style="list-style-type: none"> • “扬声器”设置为“关”。 | 45 |
| 数据图像没有位于中间。 | <ul style="list-style-type: none"> • 选择“帮助”选择表上的“数据图像没有位于中间”，并进行必要的调节。 | 48 |
| | <ul style="list-style-type: none"> • 由于您所使用的电脑的缘故，输出的解像度信号可能同您的设定不同。详情请参阅电脑的使用说明书。 | — |

故障排除（续）

| 问题 | 检查 | 页 |
|--|--|--------------------|
| 偶尔听到机壳内发出异常响声。 | <ul style="list-style-type: none"> 如果图像正常，那么声音是由于室内温度变化引起机壳收缩所致。这不会影响运行或性能。 | — |
| 投影机上的保养指示灯点亮或红灯闪烁。 | <ul style="list-style-type: none"> 参阅“保养指示灯”。 | 50 |
| 不能用投影机上的STANDBY/ON（待机/开）来打开投影机电源或将投影机置于待机模式。 | <ul style="list-style-type: none"> 设置了键锁。 如果键锁设置为“开”，那么所有的按钮就都被锁定了。 | 47 |
| 对于COMPUTER（色差信号）/*DVI（色差信号），图像为绿色。 | <ul style="list-style-type: none"> 改变输入信号类型设置。 如果不能选择输入信号类型，那么请在“图像模式”中选择除了“sRGB”以外的其他项目之后，再在“帮助”选择表中选择“彩色很淡或不丰富”，然后再选择一个输入信号类型。 | 48 40, 48 |
| 对于COMPUTER(RGB)/*DVI(RGB)，图像为粉红色（无绿色）。 | | |
| 图像太亮且发白。 | <ul style="list-style-type: none"> 图像调节设置得不正确。 | 41 |
| 冷却风扇的噪声变大。 | <ul style="list-style-type: none"> 当投影机内的温度升高时，冷却风扇就转得更快。 | 8, 9 49, 50, 51 |
| 即使打开了投影机电源之后，灯泡也不亮。 | <ul style="list-style-type: none"> 灯泡指示灯以红色点亮。 请更换灯泡。 | 50, 53 |
| 正在投射时灯泡突然熄灭。 | | |
| 影像有时候闪烁。 | <ul style="list-style-type: none"> 投影机上的电缆连接得不正确，或所连接的设备工作不正常。 请选择“帮助”选择表中的“垂直条纹或闪烁图像出现”，并进行必要的调节。 如果经常发生这种情况，那么请更换灯泡。 | 21-24 48 53 |
| 灯泡需要很长时间才能点亮。 | <ul style="list-style-type: none"> 灯泡最终是要更换的。 当剩余的灯泡寿命接近于结束时，请更换灯泡。 | 53 |
| 图像发暗。 | | |
| 遥控器不能使用。 | <ul style="list-style-type: none"> 在操作遥控器时，要将遥控器指向投影机上的遥控感应器。 遥控器可能离开投影机太远。 如果直射的阳光或其他强光照射在投影机的遥控感应器上，那么请将投影机搬移到不会受到这样的强光影响的地方。 | 15 |
| | <ul style="list-style-type: none"> 电池可能耗尽，或者没有正确装入。请确认电池已经正确装入，或插入新电池。 | 14 |

*仅限XR-H825XA

本机装备了微电脑，其性能会由于不正确的操作或干扰而受到不良影响。若发生这种情况，请将本机的电源插头拔出，等待5分钟以上之后再将其插入。

请求 SHARP 公司的帮助

如果在设定或操作本投影机时遇到问题，请先按第63页和第64页的“故障排除”一节所述进行检查。如果使用说明书没能解决问题，请与下面列出的 SHARP 服务部门联系。

中国 夏普商贸（中国）有限公司
800-988-1818
<http://www.sharp.cn>

规格

| | | | | |
|-----------|-----------------------|-----------------------------|-----------|-----------------|
| 型号 | | XR-H825XA | XR-M825XA | XR-H825SA |
| 显示设备 | | 0.55" DLP芯片 | | |
| 分辨率 | | XGA(1024 x 768) | | SVGA(800 x 600) |
| 镜头 | F值 | F2.5 - 2.6 | | |
| | 变焦 | 手动, x 1.15(f=20.4 - 23.5mm) | | |
| | 聚焦 | 手动 | | |
| 输入端子 | DVI-D (与HDCP相容) | x 1 | — | — |
| | RGB/色差信号 (15针微型D-sub) | x 1 | | |
| | S-视频 (4针微型DIN) | x 1 | | |
| | 视频 (RCA) | x 1 | | |
| | 音频 (ø 3.5 mm立体声微型插口) | x 1 | — | — |
| | 音频 (RCA) | x 1(L/R) | | |
| 输出端子 | RGB/色差信号 (15针微型D-sub) | x 1 | | |
| | 音频 (ø 3.5 mm立体声微型插口) | x 1(可变音频输出) | — | — |
| 其他控制器 | USB (B型) | x 1 | | |
| | RS-232C (9针微型DIN) | x 1 | | |
| 亮度 | | 2500流明* | | |
| 对比度 | | 2200:1* | | 2000:1* |
| 扬声器 | | 2W (单声道) | | |
| 投射灯泡 | | 200W | | |
| 额定电压 | | 交流100-240V | | |
| 额定频率 | | 50/60Hz | | |
| 输入电流 | | 2.9A | | |
| 电力消耗 (待机) | | 267W(2.9W)用交流100V | | |
| | | 259W(3.4W)用交流240V | | |
| 工作温度 | | +5°C到+35°C | | |
| 外壳 | | 塑料 | | |
| 尺寸 (仅主机) | | 270 (宽) x 89(高) x 265(深)mm | | |
| 重量 | | 2.9Kg | | |



注

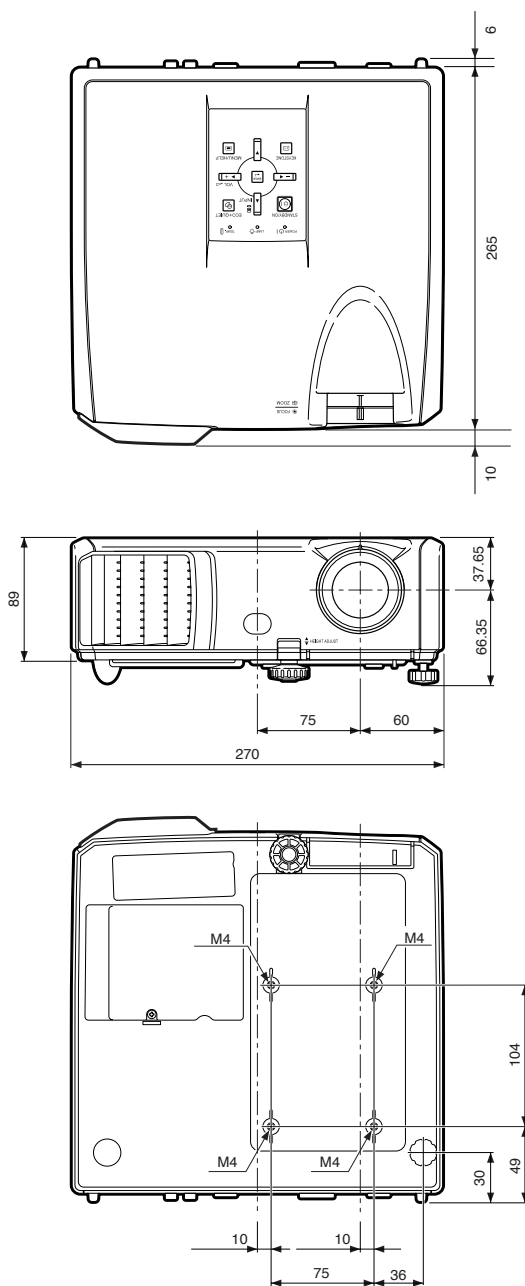
*)基于ISO21118标准：表示的是量产品的平均值，出厂时的下限值是此标称值的80%
(亮度：2000流明)。

作为不断改进产品的政策的一部分，SHARP 保留在不事先通知的情况下因改进产品而改变设计及规格。效能规格指标表示产品的额定数值，其可能会依个别产品而有差异。



尺寸

单位：mm



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Before using the projector, please read this operation manual carefully.

Introduction

ENGLISH

IMPORTANT

- For your assistance in reporting the loss or theft of your Projector, please record the Model and Serial Number located on the bottom of the projector and retain this information.
- Before recycling the packaging, please ensure that you have checked the contents of the carton thoroughly against the list of "Supplied accessories" on page **10**.

Model No.:

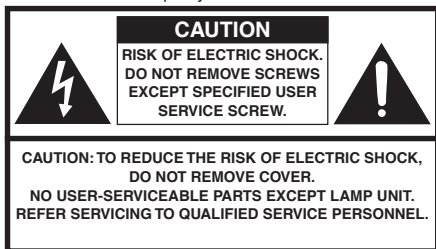
Serial No.:

WARNING: High brightness light source. Do not stare into the beam of light, or view directly. Be especially careful that children do not stare directly into the beam of light.



WARNING: To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

See bottom of projector.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk or electric shock to persons.



The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

PRODUCT DISPOSAL

This product utilizes tin-lead solder, and lamp containing a small amount of mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities.

Caution Concerning Lamp Replacement

See “Replacing the Lamp” on page [52](#).

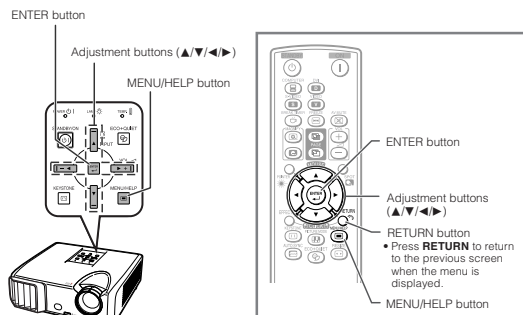
This SHARP projector uses a DLP® chip. This very sophisticated panel contains 786,432 (XR-H825XA/XR-M825XA)/480,000 (XR-H825SA) pixels (micromirrors). As with any high technology electronic equipment such as large screen TVs, video systems and video cameras, there are certain acceptable tolerances that the equipment must conform to.

This unit has some inactive pixels within acceptable tolerances which may result in inactive dots on the picture screen. This will not affect the picture quality or the life expectancy of the unit.

How to Read this Operation Manual

- The specifications are slightly different, depending on the model. However, you can connect and operate all models in the same manner.
- In this operation manual, the illustration and the screen display are simplified for explanation, and may differ slightly from the actual display. The examples used throughout this manual are based on the XR-H825XA model.

Using the Men



Buttons used in this operation

u Screen

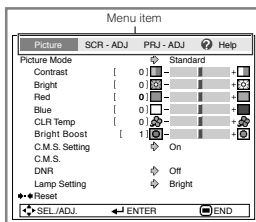
Menu Selections (Adjustments)

Example: Adjusting "Bright".

- This operation can also be performed by using the buttons on the projector.

- 1 Press **MENU/HELP**.
• The "Picture" menu screen for the selected input mode is displayed.
- 2 Press **▶** or **◀** and select "Picture" to adjust.

Example: "Picture" screen menu for COMPUTER (RGB) input



Button used in this step

On-screen display

38



InfoIndicates safeguards for using the projector.



NoteIndicates additional information for setting up and operating the projector.

For Future Reference

Maintenance

➔ P. 49

Troubleshooting

➔ PP. 63 and 64

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IMPORTANT SAFEGUARDS

CAUTION: Please read all of these instructions before you operate this product and save these instructions for later use.

Electrical energy can perform many useful functions. This product has been engineered and manufactured to assure your personal safety. BUT IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARDS. In order not to defeat the safeguards incorporated in this product, observe the following basic rules for its installation, use and servicing.

1. Read Instructions

All the safety and operating instructions should be read before the product is operated.

2. Retain Instructions

The safety and operating instructions should be retained for future reference.

3. Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

4. Follow Instructions

All operating and use instructions should be followed.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

7. Water and Moisture

Do not use this product near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

8. Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9. Transportation

A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



10. Ventilation

Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

12. Grounding or Polarization

This product is provided with one of the following types of plugs. If the plug should fail to fit into the power outlet, please contact your electrician. Do not defeat the safety purpose of the plug.

- Two-wire type (mains) plug.
- Three-wire grounding type (mains) plug with a grounding terminal.
This plug will only fit into a grounding type power outlet.

13. Power-Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14. Lightning

For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the product due to lightning and power-line surges.

15. Overloading

Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

16. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

17. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

18. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- a. When the power-supply cord or plug is damaged.
- b. If liquid has been spilled, or objects have fallen into the product.
- c. If the product has been exposed to rain or water.
- d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
- e. If the product has been dropped or damaged in any way.
- f. When the product exhibits a distinct change in performance, this indicates a need for service.

19. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

20. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

21. Wall or Ceiling Mounting

This product should be mounted to a wall or ceiling only as recommended by the manufacturer.

22. Heat

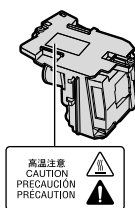
This product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

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- Macintosh® is a registered trademark of Apple Computer, Inc. in the United States and/or other countries.
- All other company or product names are trademarks or registered trademarks of their respective companies.
- Some IC chips in this product include confidential and/or trade secret property belonging to Texas Instruments. Therefore you may not copy, modify, adapt, translate, distribute, reverse engineer, reverse assemble or discompile the contents thereof.

Observe the following safeguards when setting up your projector.

Caution concerning the lamp unit

- Potential hazard of glass particles if lamp ruptures. In case of lamp rupture, contact your nearest Sharp Authorized Projector Dealer or Service Center for replacement. See “Regarding the Lamp” on page 52.



Caution concerning the setup of the projector

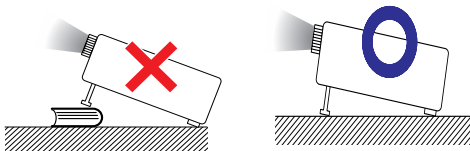
- For minimal servicing and to maintain high image quality, SHARP recommends that this projector be installed in an area free from humidity, dust and cigarette smoke. When the projector is subjected to these environments, the vents and lens must be cleaned more often. As long as the projector is regularly cleaned, use in these environments will not reduce the overall operation life of the unit. Internal cleaning should only be performed by a Sharp Authorized Projector Dealer or Service Center.

Do not set up the projector in places exposed to direct sunlight or bright light.

- Position the screen so that it is not in direct sunlight or room light. Light falling directly on the screen washes out the colors, making viewing difficult. Close the curtains and dim the lights when setting up the screen in a sunny or bright room.

Caution regarding placing of the projector

- Place the projector on a level site within the adjustment range (9 degrees) of the adjustment foot.



- After the projector is purchased, a faint smell from the vent may appear when the power is first turned on. This is normal and is not a malfunction. It will disappear after the projector is used for a while.

When using the projector in high-altitude areas such as mountains (at altitudes of approximately 1,500 meters or more)

- When you use the projector in high-altitude areas with thin air, set “Fan Mode” to “High”. Neglecting this can affect the longevity of the optical system.

Warning about placing the projector in a high position

- When placing the projector in a high position, make certain it is carefully secure to avoid personal injury caused by the projector falling down.

Do not subject the projector to hard impact and/or vibration.

- Protect the lens so as not to hit or damage the surface of the lens.

Rest your eyes occasionally.

- Continuously watching the screen for long hours will cause eye strain. Take regular breaks to rest your eyes.

Avoid locations with extremes of temperature.

- The operating temperature of the projector is from +5°C to +35°C.
- The storage temperature of the projector is from -20°C to +60°C.

Do not block the exhaust and intake vents.

- Allow at least 30 cm of space between the exhaust vent and the nearest wall or obstruction.
- Ensure that the intake vent and the exhaust vent are not obstructed.
- If the cooling fan becomes obstructed, a protection circuit will automatically put the projector into standby mode to prevent overheat damage. This does not indicate a malfunction. (See pages 50 and 51.) Remove the projector power cord from the wall outlet and wait at least 10 minutes. Place the projector where the intake and exhaust vents are not blocked, plug the power cord back in and turn on the projector. This will return the projector to the normal operating condition.

Caution regarding usage of the projector

- If you are not to use the projector for a long time or before moving the projector, make certain you unplug the power cord from the wall outlet, and disconnect any other cables connected to it.
- If the power cord is unplugged while the cooling fan is running, some parts of the projector may still be hot. Use caution when handling the projector.
- Do not carry the projector by holding the lens.
- When storing the projector, ensure you attach the lens cap to the projector. (See page 11.)
- Do not expose the projector to direct sunlight or place next to heat sources. Doing so may affect the cabinet color or cause deformation of the plastic cover.

Other connected equipment

- When connecting a computer or other audio-visual equipment to the projector, make the connections AFTER unplugging the power cord of the projector from the AC outlet and turning off the equipment to be connected.
- Please read the operation manuals of the projector and the equipment to be connected for instructions on how to make the connections.

Using the projector in other countries

- The power supply voltage and the shape of the plug may vary depending on the region or country you are using the projector in. When using the projector overseas, make sure you use an appropriate power cord for the country you are in.

Temperature monitor function



- If the projector starts to overheat due to setup problems or blockage of the air vents, the crossed wrench and screwdriver icon and "TEMP." will illuminate in the lower left corner of the picture. If the temperature continues to rise, the lamp will turn off, the temperature warning indicator on the projector will blink, and after a 60-second cooling-off period the projector will enter standby mode. Refer to "Maintenance Indicators" on page 50 for details.



Info

- The cooling fan regulates the internal temperature, and its performance is automatically controlled. The sound of the fan may change during projector operation due to changes in the fan speed. This does not indicate malfunction.

Accessories

Supplied accessories



for XR-H825XA/

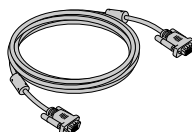


for XR-H825SA
XR-M825XA



Two R-6 batteries
("AA" size, UM/SUM-3,
HP-7 or similar)

Remote control

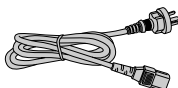


3.0 m



Lens cap (attached)

Power cord*



1.8 m

- * Use the power cord that corresponds to the wall outlet in your country.
- Operation manual (this manual)

Optional accessories

- | | |
|--|------------------------|
| ■ Lamp unit | AN-F212LP |
| ■ Ceiling-mount adaptor | AN-60KT |
| ■ Ceiling-mount unit | AN-TK201 <for AN-60KT> |
| | AN-TK202 <for AN-60KT> |
| ■ Remote receiver | AN-MR2 |
| ■ 3 RCA to mini D-sub 15 pin cable (3.0 m) | AN-C3CP2 |
| ■ DIN-D-sub RS-232C adaptor (15 cm) | AN-A1RS |

Note

- Some of the optional accessories may not be available depending on the region. Please check with your nearest Sharp Authorized Projector Dealer or Service Center.

Part Names and Functions

Numbers in refer to the main pages in this operation manual where the topic is explained.

Projector

Top View

Power indicator

25, 50

25, 50 Lamp indicator

STANDBY/ON button

25

For turning the power on and putting the projector into standby mode.

ENTER button

38

For setting items selected or adjusted on the menu.

KEystone button

28

For entering the Keystone Correction mode.

50 Temperature warning indicator

32 ECO+QUIET button
For lowering the noise of the cooling fan and extending the lamp life.

29 VOL (Volume) buttons (◀▶/▶+)
For adjusting the speaker sound level.

29 INPUT buttons (▲/▼)
For switching input mode.

38, 48 MENU/HELP button
For displaying adjustment and setting screens, and help screen.

38 Adjustment buttons (▲/▼/◀/▶)
For selecting menu items.

Front View

Zoom ring

26

For enlarging/reducing the picture.

Remote control sensor

15

Exhaust vent

49

49 Intake vent

45 Speaker

HEIGHT ADJUST lever

27

26 Focus ring
For adjusting the focus.

Push both sides of the lens cap to attach or remove.

Part Names and Functions (Continued)

Numbers in refer to the main pages in this operation manual where the topic is explained.

Rear View

Terminals

*AUDIO 1 input terminal 23

COMPUTER/
COMPONENT input
terminal 21
22
Terminal for computer RGB
and component signals.

*DVI-D input
terminal 21
22
Terminal for
DVI digital RGB
and digital
component
signals.

*AUDIO OUT
terminal 23
Audio output terminal of
equipment connected to the
audio input terminal.

MONITOR OUT 23
terminal
(Output terminal for computer RGB,
component signals. Shared for COM-
PUTER/COMPONENT)
Terminal for connecting a monitor.

* XR-H825XA only

Rear
adjustment
foot 27

22 S-VIDEO input terminal
Terminal for connecting
video equipment with an
S-video terminal.

24 RS-232C terminal
Terminal for
controlling the
projector using a
computer.

34 USB terminal
Terminal connecting
with the USB
terminal on the
computer for using
the supplied remote
control as the
computer mouse.

23 AUDIO 2 input
terminal
(AUDIO input
terminal for
XR-M825XA/
XR-H825SA)

22 VIDEO input
terminal
Terminal for
connecting video
equipment.

24 AC socket
Connect the supplied
power cord.

Kensington Security
Standard connector

Using the Kensington Lock

- This projector has a Kensington Security Standard connector for use with a Kensington MicroSaver Security System. Refer to the information that came with the system for instructions on how to use it to secure the projector.

STANDBY button

For putting the projector into the standby mode.

COMPUTER, *DVI, S-VIDEO, VIDEO buttons

For switching to the respective input modes.

BREAK TIMER button

For displaying the break time.

MAGNIFY buttons

For enlarging/reducing part of the image.

PAGE UP/PAGE DOWN buttons

Same as the [Page Down] and [Page Up] keys on a computer keyboard, when with the USB connection (using a USB cable or the optional remote receiver).

POINTER button

For displaying the pointer.

MOUSE/Adjustment buttons (▲/▼/◀/▶)

- For moving the computer cursor when with the USB connection (using a USB cable or the optional remote receiver).
- For selecting and adjusting menu items.

L-CLICK/EFFECT button

- For the Left click when with the USB connection (using a USB cable or the optional remote receiver).
- For changing the pointer or spot area.

KEYSTONE button

For entering the Keystone Correction mode.

AUTO SYNC button

For automatically adjusting images when connected to a computer.

ECO+QUIET button

For lowering the noise of the cooling fan and extending the lamp life.

ON button

For turning the power on.

FREEZE button

For freezing images.

AV MUTE button

For temporarily displaying a black screen and turning off the sound.

VOL +/- (Volume) buttons

For adjusting the speaker sound level.

SPOT button

For displaying the spotlight.

ENTER button

For setting items selected or adjusted on the menu.

R-CLICK/RETURN button

- For the Right click when with the USB connection (using a USB cable or the optional remote receiver).
- For returning to the previous menu screen during menu operations.

MENU/HELP button

For displaying adjustment and setting screens, and help screen.

RESIZE button

For switching the picture size (NORMAL, BORDER, etc.).

PICTURE MODE button

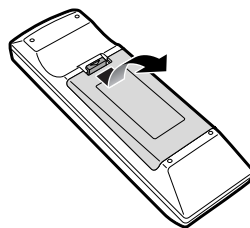
For selecting the appropriate picture.

* XR-H825XA only

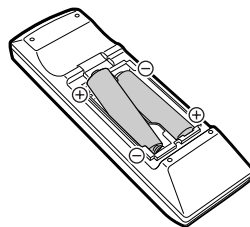
Part Names and Functions (Continued)

Inserting the Batteries

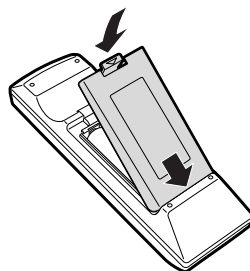
- 1** Pull down the tab on the cover and remove the cover towards the direction of the arrow.



- 2** Insert the batteries.
 - Insert the batteries making sure the polarities correctly match the \oplus and \ominus marks inside the battery compartment.



- 3** Insert the lower tab of the cover into the opening, and lower the cover until it clicks in place.



Incorrect use of the batteries may cause them to leak or explode. Please follow the precautions below.



Caution

- Danger of explosion if battery is incorrectly replaced. Replace only with alkaline or manganese batteries.
- Insert the batteries making sure the polarities correctly match the \oplus and \ominus marks inside the battery compartment.
- Batteries of different types have different properties, therefore do not mix batteries of different types.
- Do not mix new and old batteries. This may shorten the life of new batteries or may cause old batteries to leak.
- Remove the batteries from the remote control once they have run out, as leaving them in can cause them to leak. Battery fluid from leaked batteries is harmful to skin, therefore ensure you wipe them first and then remove them using a cloth.
- The batteries included with this projector may run down in a short period, depending on how they are kept. Be sure to replace them as soon as possible with new batteries.
- Remove the batteries from the remote control if you will not be using the remote control for a long time.
- Comply with the rules (ordinance) of each local government when disposing of worn-out batteries.

Usable Range

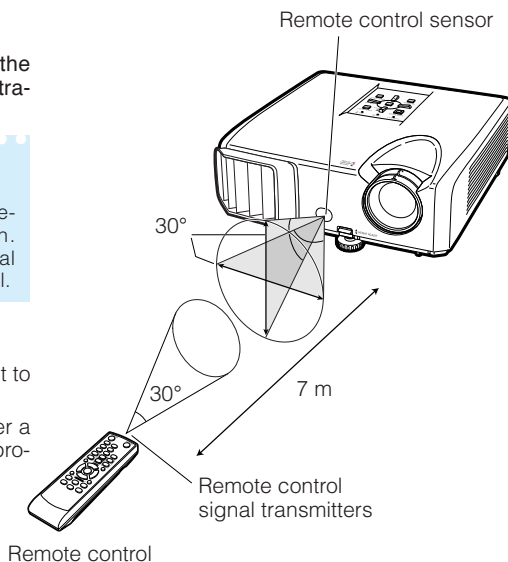
The remote control can be used to control the projector within the ranges shown in the illustration.

Note

- The signal from the remote control can be reflected off a screen for easy operation. However, the effective distance of the signal may differ depending on the screen material.

When using the remote control

- Ensure that you do not drop it or expose it to moisture or high temperature.
- The remote control may malfunction under a fluorescent lamp. In this case, move the projector away from the fluorescent lamp.

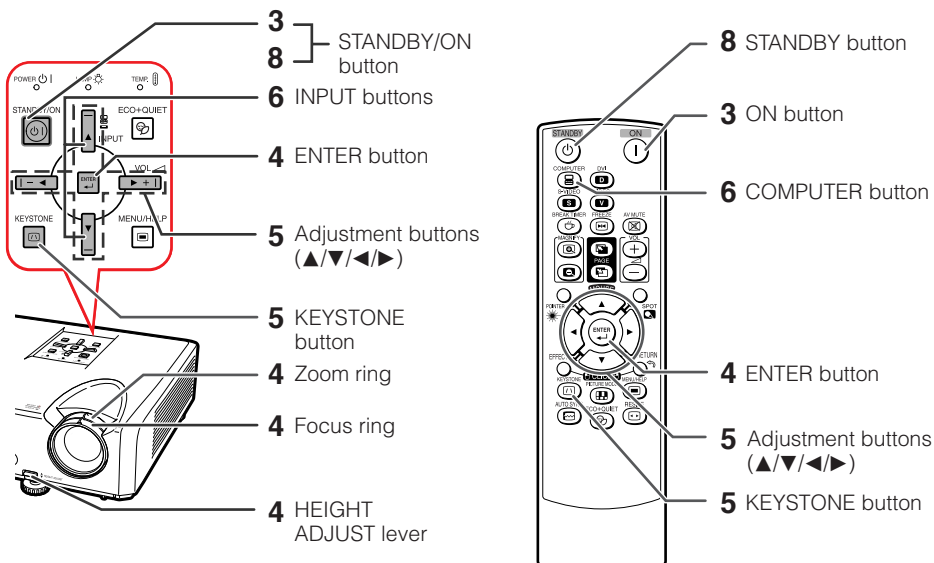


Quick Start

This section shows the basic operation (projector connecting with the computer). For details, see the page described below for each step.

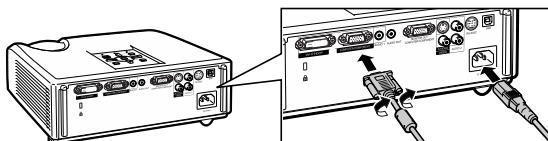
Setup and Projection

In this section, connection of the projector and the computer is explained using one example.



1. Place the projector facing a wall or a screen ➔ P. 18

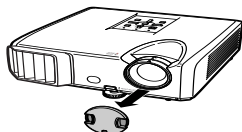
2. Connect the projector to the computer and plug the power cord into the AC socket of the projector



When connecting equipment other than a computer, see pages **22** and **23**.

➔ PP. 21, 24

3. Remove the lens cap and turn the projector on



On the projector

On the remote control



➔ P. 25

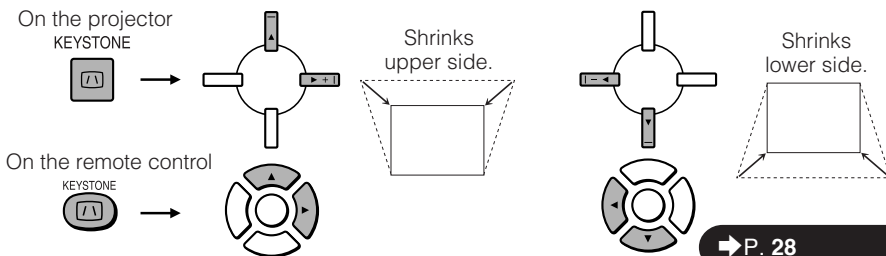
4. Adjust the projected image with the Setup Guide

- 1 After the projector turns on, the Setup Guide appears.
(When "Setup Guide" is set to "On". See page 44.)
- 2 Follow the steps in the Setup Guide and adjust the focus, height (angle) and picture size.
- 3 After adjusting the focus, height (angle) and picture size, press **ENTER** to finish the Setup Guide.

➔ PP. 26, 27

5. Correct trapezoidal distortion

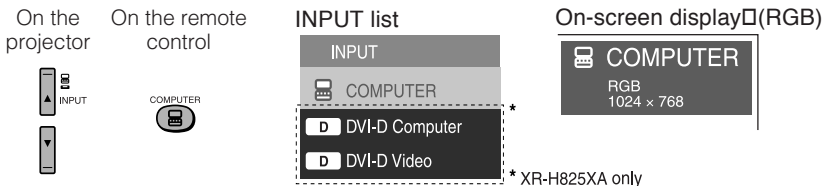
Correcting trapezoidal distortion using Keystone Correction.



➔ P. 28

6. Select the INPUT mode

Select the "COMPUTER" using **INPUT** on the projector or **COMPUTER** on the remote control.



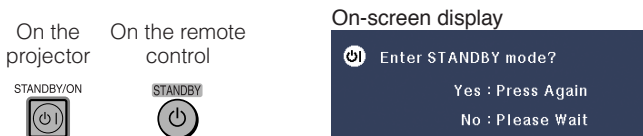
- When you press **INPUT** on the projector, the INPUT list appears.
Press **▲/▼** to switch the INPUT mode.

➔ P. 29

7. Turn the computer on

8. Turn the power off

Press **STANDBY/ON** on the projector or **STANDBY** on the remote control, and then press the button again while the confirmation message is displayed to put the projector into standby mode.



➔ P. 25

Setting up the Projector

Setting up the Projector

For optimal image quality, position the projector perpendicular to the screen with the projector's feet flat and level. Doing so will eliminate the need for Keystone correction and provide the best image quality. (See page 28.)

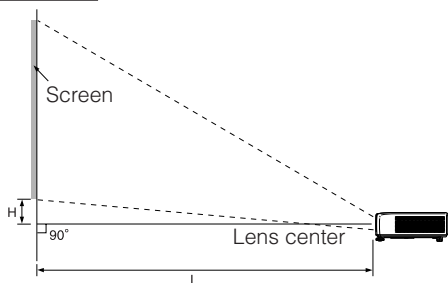
Standard Setup (Front Projection)

- Place the projector at the required distance from the screen according to the desired picture size. (See page 20.)



Example of standard setup

Side View

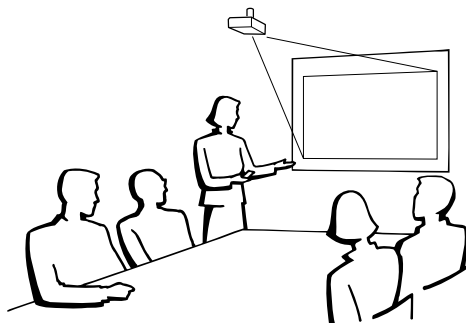


Note

- Refer to page 20 for additional information concerning "Screen Size and Projection Distance".

Ceiling-mount Setup

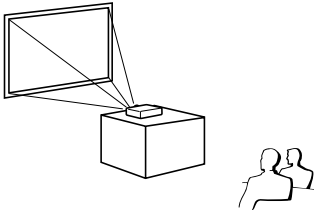
- It is recommended that you use the optional Sharp ceiling-mount adaptor and unit for this installation. Before mounting the projector, contact your nearest Sharp Authorized Projector Dealer or Service Center to obtain the recommended ceiling-mount adaptor and unit (sold separately).



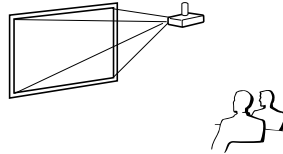
Projection (PRJ) Mode

The projector can use any of the 4 projection modes shown in the diagram below. Select the mode most appropriate for the projection setting in use. (You can set the PRJ mode in "SCR-ADJ" menu. See page 44.)

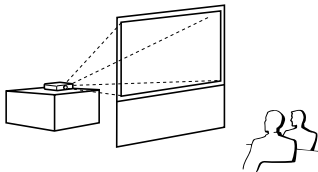
- Table mounted, front projection
[Menu item → "Front"]



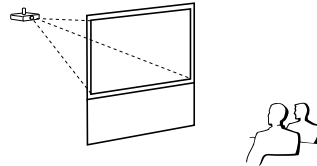
- Ceiling mounted, front projection
[Menu item → "Ceiling + Front"]



- Table mounted, rear projection
(with a translucent screen)
[Menu item → "Rear"]

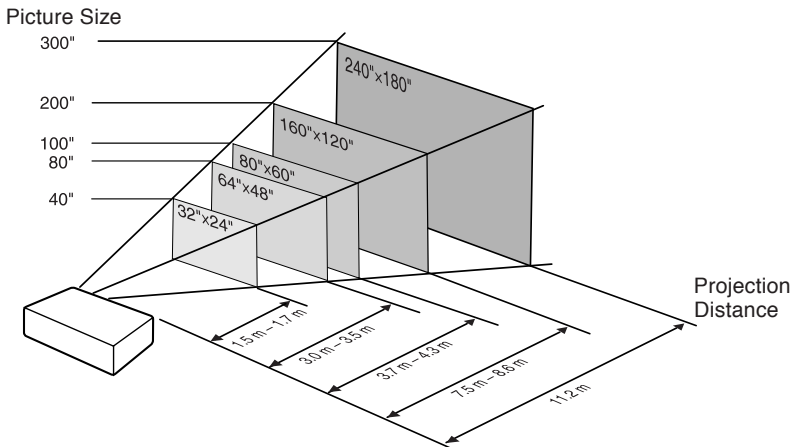


- Ceiling mounted, rear projection
(with a translucent screen)
[Menu item → "Ceiling + Rear"]



Indication of the Projection Image Size and Projection Distance

Example: NORMAL Mode (4:3)



Setting up the Projector (Continued)

Screen Size and Projection Distance

NORMAL Mode (4:3)

| Picture (Screen) size | | | Projection distance [L] | | Distance from the lens center to the bottom of the image [H] |
|-----------------------|---------------|---------------|-------------------------|-----------------|--|
| Diag. [X] | Width | Height | Minimum [L1] | Maximum [L2] | |
| 300" (762 cm) | 610 cm (240") | 457 cm (180") | 11.2 m (36' 10") | — | 19 cm (7 ⁹ / ₁₆ ") |
| 250" (635 cm) | 508 cm (200") | 381 cm (150") | 9.4 m (30' 9") | 10.8 m (35' 5") | 16 cm (6 ¹⁹ / ₆₄ ") |
| 200" (508 cm) | 406 cm (160") | 305 cm (120") | 7.5 m (24' 7") | 8.6 m (28' 4") | 13 cm (5 ³ / ₆₄ ") |
| 150" (381 cm) | 305 cm (120") | 229 cm (90") | 5.6 m (18' 5") | 6.5 m (21' 3") | 10 cm (3 ²⁵ / ₃₂ ") |
| 120" (305 cm) | 244 cm (96") | 183 cm (72") | 4.5 m (14' 9") | 5.2 m (17' 0") | 8 cm (3 ¹ / ₃₂ ") |
| 100" (254 cm) | 203 cm (80") | 152 cm (60") | 3.7 m (12' 3") | 4.3 m (14' 2") | 6 cm (2 ³⁹ / ₆₄ ") |
| 80" (203 cm) | 163 cm (64") | 122 cm (48") | 3.0 m (9' 10") | 3.5 m (11' 4") | 5 cm (2 ¹ / ₆₄ ") |
| 70" (178 cm) | 142 cm (56") | 107 cm (42") | 2.6 m (8' 7") | 3.0 m (9' 11") | 4 cm (1 ⁴⁹ / ₆₄ ") |
| 60" (152 cm) | 122 cm (48") | 91 cm (36") | 2.2 m (7' 4") | 2.6 m (8' 6") | 4 cm (1 ³⁹ / ₆₄ ") |
| 40" (102 cm) | 81 cm (32") | 61 cm (24") | 1.5 m (4' 11") | 1.7 m (5' 8") | 3 cm (1 ¹ / ₆₄ ") |

X: Picture size (diag.) (in/cm)

L: Projection distance (m/ft)

L1: Minimum projection distance (m/ft)

L2: Maximum projection distance (m/ft)

H: Distance from the lens center to the bottom of the image (cm/in)

The formula for picture size and projection distance

[m/cm]

L1 (m) = 0.03745X

L2 (m) = 0.04323X

H (cm) = 0.064X

[Feet/inches]

L1 (ft) = 0.03745X / 0.3048

L2 (ft) = 0.04323X / 0.3048

H (in) = 0.064X / 2.54

STRETCH Mode (16:9)

| Picture (Screen) size | | | Projection distance [L] | | Distance from the lens center to the bottom of the image [H] | Adjustable range of image position [S] |
|-----------------------|---------------|---------------|-------------------------|-----------------|--|--|
| Diag. [X] | Width | Height | Minimum [L1] | Maximum [L2] | | |
| 250" (635 cm) | 553 cm (218") | 311 cm (123") | 10.2 m (33' 6") | 11.8 m (38' 8") | 69 cm (27 ¹⁹ / ₆₄ ") | ± 52 cm (± 20 ²⁷ / ₆₄ ") |
| 200" (508 cm) | 443 cm (174") | 249 cm (98") | 8.2 m (26' 9") | 9.4 m (30' 11") | 55 cm (21 ⁵⁹ / ₆₄ ") | ± 42 cm (± 16 ¹¹ / ₃₂ ") |
| 150" (381 cm) | 332 cm (131") | 187 cm (74") | 6.1 m (20' 1") | 7.1 m (23' 2") | 42 cm (16 ³ / ₈ ") | ± 31 cm (± 12 ¹ / ₄ ") |
| 120" (305 cm) | 266 cm (105") | 149 cm (59") | 4.9 m (16' 1") | 5.7 m (18' 7") | 33 cm (13 ³ / ₃₂ ") | ± 25 cm (± 9 ¹⁹ / ₆₄ ") |
| 100" (254 cm) | 221 cm (87") | 125 cm (49") | 4.1 m (13' 5") | 4.7 m (15' 5") | 28 cm (10 ⁵⁹ / ₆₄ ") | ± 21 cm (± 8 ¹¹ / ₆₄ ") |
| 80" (203 cm) | 177 cm (70") | 100 cm (39") | 3.3 m (10' 9") | 3.8 m (12' 4") | 22 cm (8 ⁴⁷ / ₆₄ ") | ± 17 cm (± 6 ¹⁷ / ₃₂ ") |
| 60" (152 cm) | 133 cm (52") | 75 cm (29") | 2.4 m (8' 0") | 2.8 m (9' 3") | 17 cm (6 ³⁵ / ₆₄ ") | ± 12 cm (± 4 ²⁹ / ₃₂ ") |
| 40" (102 cm) | 89 cm (35") | 50 cm (20") | 1.6 m (5' 4") | 1.9 m (6' 2") | 11 cm (4 ²³ / ₆₄ ") | ± 8 cm (± 3 ¹⁷ / ₆₄ ") |

X: Picture size (diag.) (in/cm)

L: Projection distance (m/ft)

L1: Minimum projection distance (m/ft)

L2: Maximum projection distance (m/ft)

H: Distance from the lens center to the bottom of the image (cm/in)

S: Adjustable range of image position (cm/in) See page 43.

The formula for picture size and projection distance

[m/cm]

L1 (m) = 0.0408X

L2 (m) = 0.0471X

H (cm) = 0.27727X

S (cm) = ± 0.20754X

[Feet/inches]

L1 (ft) = 0.0408X / 0.3048

L2 (ft) = 0.0471X / 0.3048

H (in) = 0.27727X / 2.54

S (in) = ± 0.20754X / 2.54



Note

- Refer to page 18 concerning "Projection distance [L]" and "Distance from the lens center to the bottom of the image [H]".
- Allow a margin of error in the values in the diagrams above.

Connecting the Projector to Other Equipment

Before connecting, ensure that the power cord of the projector is unplugged from the AC outlet and turn off the equipment to be connected. After making all connections, turn on the projector and then the other pieces of equipment. When connecting a computer, ensure that it is the last equipment to be turned on after all the connections are made.

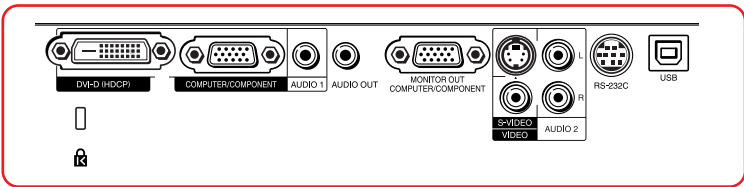
IMPORTANT:



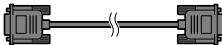


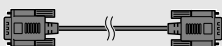

Ensure that the appropriate input mode has been selected on the projector before you turn on the connected equipment.

- For more details of connection and cables, refer to the operation manual of the connecting equipment.
- You may need other cables or connectors not listed below.

Terminals on the Projector

Example: Terminals of XR-H825XA







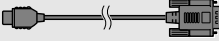


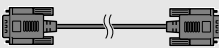

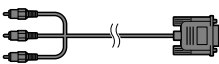
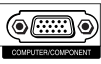

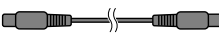


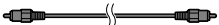



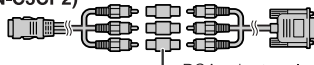
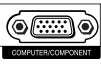
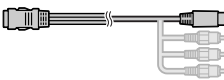

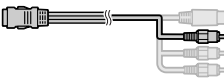

| Equipment | Terminal on connected equipment | Cable | Terminal on the projector |
|---|---|--|--|
|  | RGB output terminal  | RGB cable (supplied)  | COMPUTER/COMPONENT  |
| | DVI digital output terminal  | DVI Digital cable (commercially available)  | DVI-D  |

 is only for XR-H825XA.

Note

- See page 62 "Computer Compatibility Chart" for a list of computer signals compatible with the projector. Use with computer signals other than those listed may cause some of the functions to not work.
- A Macintosh adaptor may be required for use with some Macintosh computers. Contact your nearest Macintosh Dealer.
- **Depending on the computer you are using, an image may not be projected unless the computer's external output port is switched on (e.g. Press "Fn" and "F5" keys simultaneously when using a SHARP notebook computer). Refer to the specific instructions in your computer's operation manual to enable your computer's external output port.**

Connecting the Projector to Other Equipment (Continued)

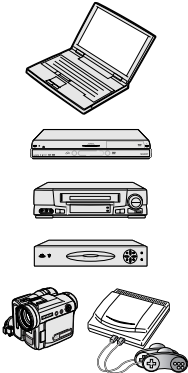

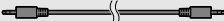


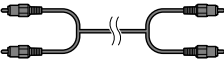


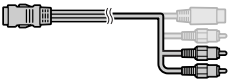


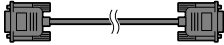



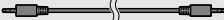


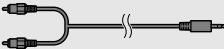
| Equipment | Terminal on connected equipment | Cable | Terminal on the projector |
|---|---|--|--|
| Video equipment    | HDMI output terminal  | HDMI to DVI cable (commercially available)  | DVI-D  |
| | DVI digital output terminal  | DVI Digital cable (commercially available)  | |
| | Component video output terminal  | 3 RCA to mini D-sub 15 pin cable (optional, AN-C3CP2)  | COMPUTER/COMPONENT  |
| | S-video output terminal  | S-video cable (commercially available)  | S-VIDEO  |
| | Video output terminal  | Video cable (commercially available)  | VIDEO  |
| Camera/Video game   | Component video output terminal | Cables for a camera or a video game/3 RCA to mini D-sub 15 pin cable (optional, AN-C3CP2)  RCA adaptor plug (commercially available) | COMPUTER/COMPONENT  |
| | S-video output terminal | Cables for a camera or a video game  | S-VIDEO  |
| | Video output terminal | Cables for a camera or a video game  | VIDEO  |

 is only for XR-H825XA.



Note

- Only for XR-H825XA:
 - While the projector is connected to video equipment that has an HDMI output terminal, only the video signal can be input to the projector. (Connect the AUDIO input terminal for audio input.)
 - Depending on specifications of video equipment or HDMI to DVI digital cable, the signal transmission may not work properly. (The HDMI specification does not support all connections to video equipment that has HDMI digital output terminal using HDMI to DVI digital cable.)
 - For details on compatibility for connection, see support information on DVI connection provided by the video equipment manufacturer.
- When you connect video equipment with a 21-pin RGB output (Euro-scart) to the projector, use a commercially available cable that fits in the projector terminal you want to connect.
- The projector does not support RGB signals via the Euro-scart.

| Equipment | Terminal on connected equipment | Cable | Terminal on the projector |
|--|---|--|---|
| Audio equipment  | ø3.5 mm audio output terminal  | ø3.5 mm stereo or mono audio cable (commercially available or available as Sharp service part QCNWGA038WJPZ)  | AUDIO 1  |
| | RCA audio output terminal  | RCA audio cable (commercially available)  | AUDIO 2 (XR-32X) AUDIO (XR-32S)  |
| | Audio output terminal  | Cables for a camera or a video game  | |
| Monitor  | RGB input terminal  | RGB cable (supplied or commercially available)  | MONITOR OUT  |
| Amplifier  | ø3.5 mm audio input terminal  | ø3.5 mm stereo or mono audio cable (commercially available or available as Sharp service part QCNWGA038WJPZ)  | AUDIO OUT  |
| | RCA audio input terminal  | ø3.5 mm stereo minijack to RCA audio cable (commercially available)  | |

 is only for XR-H825XA.



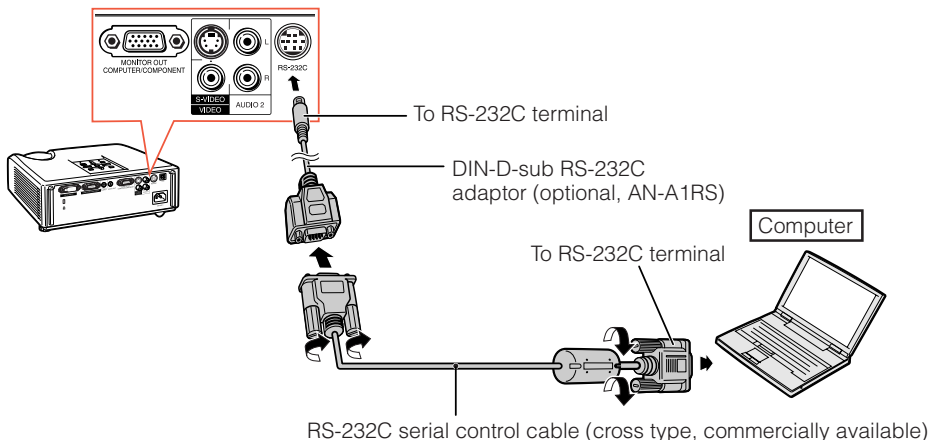
Note

- Only for XR-H825XA:
 - When using the ø3.5 mm mono audio cable, the volume level will be half of when using the ø3.5 mm stereo audio cable.
 - You can select "Audio 1" or "Audio 2" for "Audio Input" in the "PRJ-ADJ" menu. (See page 46.)
- RGB signals and Component signals can be output to the monitor.

Controlling the Projector by a Computer

When the RS-232C terminal on the projector is connected to a computer with a DIN-D-sub RS-232C adaptor (optional, AN-A1RS) and an RS-232C serial control cable (cross type, commercially available), the computer can be used to control the projector and check the status of the projector. See page 57 for details.

When connecting to a computer using an RS-232C serial control cable and a DIN-D-sub RS-232C adaptor



Note

- The RS-232C function may not operate if your computer terminal is not correctly set up. Refer to the operation manual of the computer for details.
- See page 56 for connection of an RS-232C serial control cable.

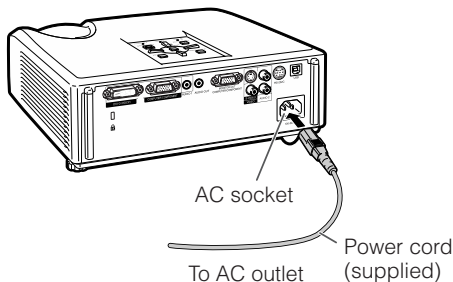


Info

- Do not connect the RS-232C cable to a port other than the RS-232C terminal on the computer. This may damage your computer or projector.
- Do not connect or disconnect an RS-232C serial control cable to or from the computer while it is on. This may damage your computer.

Connecting the Power Cord

Plug the supplied power cord into the AC socket on the rear of the projector. Then plug into AC outlet.



Turning the Projector On/Off

Turning the Projector on

Note that the connections to external equipment and power outlet should be done before performing the operations written below. (See pages 21 to 24.)

Remove the lens cap and press **STANDBY/ON on the projector or **ON** on the remote control.**

- The power indicator illuminates green.
- After the lamp indicator illuminates, the projector is ready to start operation.

Note

• About the Lamp Indicator

The lamp indicator illuminates to indicate the status of the lamp.

Green: The lamp is on.

Blinking in green: The lamp is warming up.

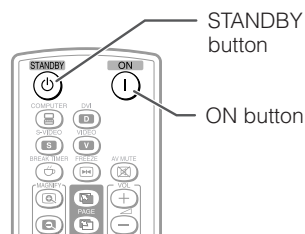
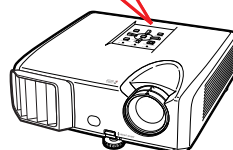
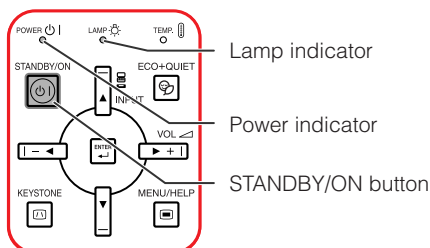
Red: The lamp is shut down abnormally or the lamp should be replaced.

- When switching on the projector, a slight flickering of the image may be experienced within the first minute after the lamp has been illuminated. This is normal operation as the lamp's control circuitry is stabilising the lamp output characteristics. It should not be regarded as faulty operation.
- If the projector is put into standby mode and immediately turned on again, the lamp may take some time to start projection.
- When System Lock is set, the keycode input box appears. To cancel the keycode setting, input the keycode that you have already set. See page 46 for details.

Info

• When "Auto Restart" is set to "On":

- If the power cord is unplugged from the outlet or the breaker switch is turned off when the projector is on, then the projector automatically turns on when the power cord is plugged into the AC outlet or the breaker switch is turned on. (See page 45.)
- Chinese is the factory default language. If you want to change the on-screen display to another language, change the language according to the procedure on page 44.



On-screen display (confirmation message)



Enter STANDBY mode?

Yes : Press Again

No : Please Wait

Turning the Power off (Putting the Projector into Standby Mode)

Press **STANDBY/ON on the projector or **STANDBY** on the remote control, then press that button again while the confirmation message is displayed, to put the projector into standby mode.**

- The projector cannot be turned on while cooling.

Info

• Direct Power Off function:

- You can unplug the power cord from the AC outlet even if the cooling fan is still running.

Image Projection

About the Setup Guide

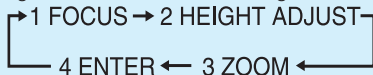
After turning on the projector, the Setup Guide screen appears to assist you with projector setup.

- Guidance items
- 1 FOCUS
 - 2 HEIGHT ADJUST
 - 3 ZOOM

Press **ENTER** to exit the Setup Guide screen.

Note

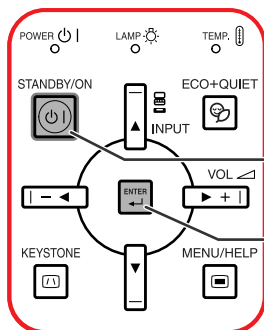
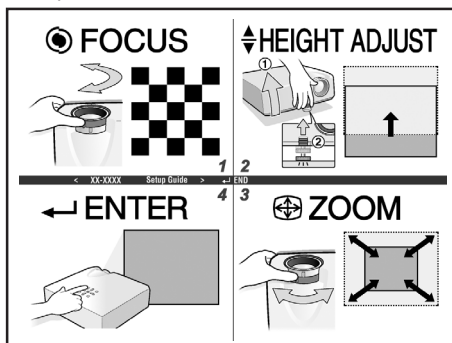
- The Setup Guide screen automatically highlights the items in the following order:



However, you can adjust the focus, height (angle), or zoom regardless of the highlighted item.

- If you do not want to display the Setup Guide for the next time, set "Menu" - "SCR - ADJ" - "Setup Guide" to "Off". (See page 44.)

Setup Guide screen



STANDBY/ON button

ENTER button

Zoom ring

Focus ring

Adjusting the Projected Image

1 Adjusting the Focus

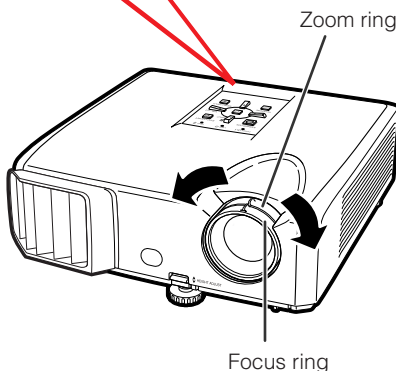
You can adjust the focus with the focus ring on the projector.

Rotate the focus ring to adjust the focus while watching the projected image.

2 Adjusting the Picture Size

You can adjust the picture size using the zoom ring on the projector.

Rotate the zoom ring to enlarge or shrink the picture size.

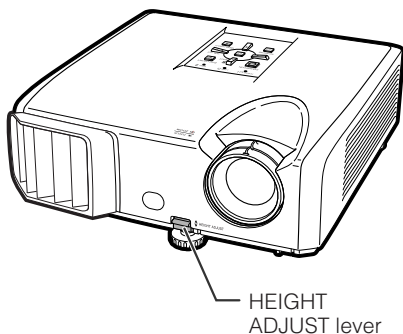


3 Adjusting the Height

The height of the projector can be adjusted using the adjustment feet at the front and rear of the projector.

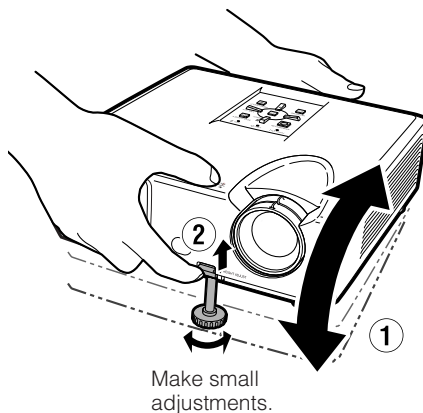
When the screen is above the projector, the projection image can be made higher by adjusting the projector.

- 1 Lift the projector to adjust its height while lifting the HEIGHT ADJUST lever.**



- 2 Remove your hands from the HEIGHT ADJUST lever of the projector after its height has been finely adjusted.**

- The angle of projection is adjustable up to 9 degrees from the surface on which the projector is placed.



- 3 Use the rear adjustment foot to make the projector level.**

- The projector is adjustable ± 2 degrees from the standard position.

Note

- When adjusting the height of the projector, trapezoidal distortion occurs. Follow the procedures in Keystone Correction to correct the distortion. (See pages 28 and 43.)

Info

- Do not apply too much pressure on the projector when the front adjustment foot comes out.
- When lowering the projector, be careful not to get your fingers caught in the area between the adjustment foot and the projector.
- Hold the projector firmly while lifting or carrying.
- Do not hold by the lens area.

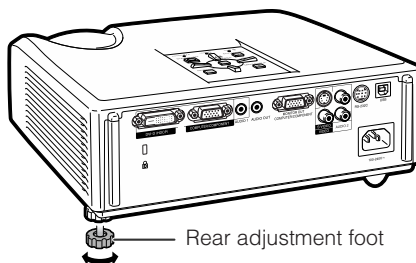


Image Projection (Continued)

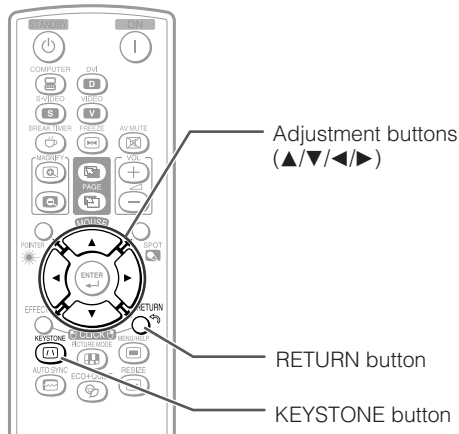
Correcting Trapezoidal Distortion

When the image is projected either from the top or from the bottom towards the screen at an angle, the image becomes distorted trapezoidally. The function for correcting trapezoidal distortion is called **Keystone Correction**.

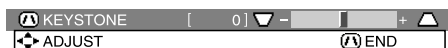


Note

- The Keystone Correction can be adjusted up to an angle of approximately ± 40 (XR-H825XA/XR-M825XA)/ ± 20 (XR-H825SA) degrees and the screen can also be set up to an angle of approximately ± 40 (XR-H825XA/XR-M825XA)/ ± 20 (XR-H825SA) degrees (when the resize mode is set to "NORMAL" (see page 30)).



On-screen display (Keystone Correction mode)



1

Press **KEYSTONE** to enter the Keystone Correction mode.

- You can also display the on-screen display of the Keystone Correction mode with **KEYSTONE** on the projector.

2

Press **▲/▶** or **◀/▼** to adjust the Keystone Correction.

- You can also adjust the Keystone Correction using the adjustment buttons on the projector.



Note

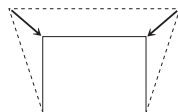
- To return to the default setting, press **RETURN** while the on-screen display of the Keystone Correction mode is on the screen.

3

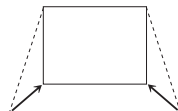
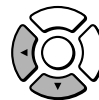
Press **KEYSTONE**.

- The on-screen display of the Keystone Correction mode will disappear.
- You can also use **KEYSTONE** on the projector.

Shrinks upper side.
(Move the slide bar in the + direction.)



Shrinks lower side.
(Move the slide bar in the - direction.)



Info

- While adjusting the image using Keystone Correction, straight lines and the edges of the image may appear jagged.

Switching the Input Mode

Select the appropriate input mode for the connected equipment.

Press **COMPUTER**, **DVI (XR-H825XA only)**, **S-VIDEO** or **VIDEO** on the remote control to select the input mode.

- When you press **INPUT** on the projector or **DVI** on the remote control (XR-H825XA only), the INPUT list appears.
- Press **▲/▼** to switch the INPUT mode.

Adjusting the Volume

Press **VOL +/-** on the remote control or **-◀/▶+** on the projector to adjust the volume.

Note

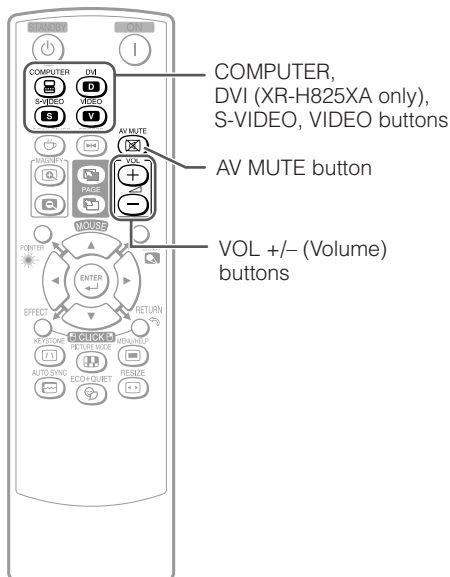
- Pressing **VOL-/-◀** will lower the volume.
- Pressing **VOL+/▶+** will raise the volume.
- When the projector is connected to external equipment, the volume level of the external equipment changes in accordance with the volume level of the projector. Set the projector's volume to the lowest level when turning the projector on/off or when changing the input signal.
- When you do not want to output the sound from the projector's speaker while the projector is connected to external equipment, set "Speaker" in "PRJ-ADJ" menu to "Off". (See page 45.)

Displaying the Black Screen and Turning off the Sound Temporarily

Press **AV MUTE** on the remote control to temporarily display a black screen and turn off the sound.

Note

- Pressing **AV MUTE** again will turn the projected image back on.




























On-screen display




On-screen display



VIDEO/DTV

| Input signal | | For 4:3 screen | | | For 16:9 screen | |
|---|---|--|---|---|--|---|
| Video/DTV | Image type | NORMAL | AREA ZOOM | V-STRETCH | BORDER | STRETCH |
| 480I, 480P, 576I, 576P, NTSC, PAL, SECAM |  4:3 aspect ratio |  |  |  |  ★1 |  ★1 |
| |  Squeeze |  |  |  |  ★1 |  ★1 |
| |  Letter box |  | | |  ★1 |  ★1 |
| 720P, 1035I, 1080I, 1080P |  16:9 aspect ratio |  ★1 |  |  | | |
| 540P |  16:9 aspect ratio | | | | ____★2 | ____★2 |
| |  (4:3 aspect ratio in 16:9) |  ★1 |  |  | | |

 : Cutout area on which images cannot be projected

 : Area on which the image is not included in the original signals

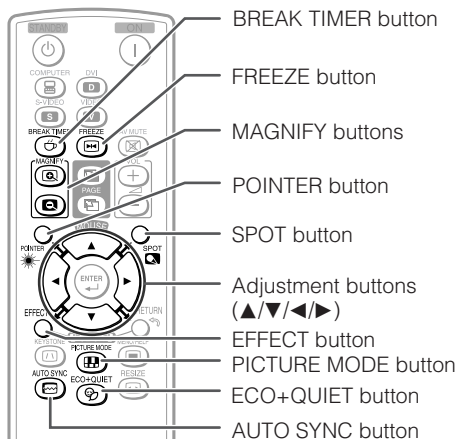
★1 The Image Shift function can be used for these images.

★2 Same as NORMAL mode.

About Copyrights

- When using the RESIZE function to select an image size with a different aspect ratio to a TV program or video image, the image will look different from its original appearance. Keep this in mind while choosing an image size.
- The use of the Resize or Keystone Correction function to compress or stretch the image for commercial purposes/public displays in a café, hotel, etc. may be an infringement of copyright protected by law for copyright holders. Please use caution.

Operating with the Remote Control



Displaying the Pointer

- 1 Press **POINTER** and press ▲/▼/◀/▶ on the remote control to move the pointer.

- Press **EFFECT** to change the pointer icon (5 types).

| Star | Finger1 | Finger2 | Heart | Underline |
|------|---------|---------|-------|-----------|
| | | | | |

- 2 Press **POINTER** again.

- The pointer will disappear.

Displaying and Setting the Break Timer

- 1 Press **BREAK TIMER**.

- The timer starts to count down from 5 minutes.

On-screen display



- 2 Press ▲/▼/◀/▶ to adjust the length of the break time.

- **Increases with ▲ or ▶**
5 minutes → 6 minutes → 60 minutes
- **Shortens with ◀ or ▼**
4 minutes → 3 minutes → 1 minute
- The break time can be set in units of one minute (up to 60 minutes).

Canceling the break timer display function

Press **BREAK TIMER**.



Note

- Break Timer does not function while the projector is operating the "Auto Sync", "FREEZE" or "AV MUTE" functions.

Using the Spot Function

- 1 Press **SPOT** and press ▲/▼/◀/▶ on the remote control to move the spot area.

- Press **EFFECT** to change the spot area size (3 types).

| 1/9 | 1/25 | 1/8 |
|-----|------|-----|
| | | |

- 2 Press **SPOT** again.

- The spot area will disappear.

Switching the Eco+Quiet Mode

Press **ECO+QUIET** to switch the Eco+Quiet mode between on and off.

- When the Eco+Quiet Mode is set to "ON", the sound of the cooling fan will turn down, the power consumption will decrease, and the lamp life will extend.



Note

- Refer to "Lamp Setting" on page 42 for details of the Eco+Quiet mode.

Auto Sync (Auto Sync Adjustment)

Auto Sync function works when detecting input signal after the projector turns on.

Press **AUTO SYNC** to manually adjust with Auto Sync function.



Note

- When the optimum image cannot be achieved with Auto Sync adjustment, use the help menu for manual adjustments. (See page 48.)

Freezing a Moving Image

1

Press **FREEZE**.

- The projected image is frozen.

2

Press **FREEZE** again to return to the moving image from the currently connected device.

Selecting the Picture Mode

You can select the appropriate picture mode for the projected image, such as movie or video game.

Press **PICTURE MODE**.

- When pressing **PICTURE MODE**, the picture mode changes in the following order:

→ STANDARD → PRESENTATION → MOVIE → GAME → sRGB *



Note

- See page 40 for details on the picture mode.

* "sRGB" is displayed only when RGB signal is input.

Displaying an Enlarged Portion of an Image

Graphs, tables and other portions of projected images can be enlarged. This is helpful when providing more detailed explanations.

1

Press **MAGNIFY** on the remote control.

- Enlarges the image.
- Pressing **MAGNIFY** or **MAGNIFY** enlarges or reduces the projected image.



Note

Press **MAGNIFY**.

x1 x2 x3 x4

Press **MAGNIFY**.

- You can change the location of the enlarged image using **UP**, **DOWN**, **LEFT** and **RIGHT**.

2

Press **RETURN** on the remote control to cancel the operation.

- The magnification then returns to x1.



Note

- The selectable magnifications differ depending on the input signal.
- In the following cases, the image will return to the normal size (x1).
 - When switching the INPUT mode.
 - When **RETURN** has been pressed.
 - When the input signal is changed.
 - When the input signal resolution and refresh rate (vertical frequency) change.
 - When the Resize mode is changed.
 - When the Picture mode is changed.
 - When the Progressive mode is changed.

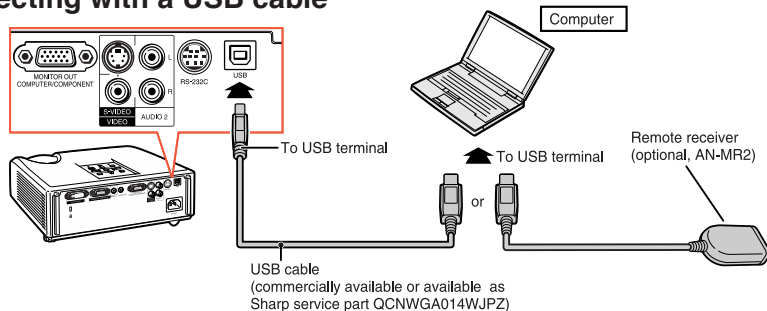
Operating with the Remote Control as the Remote Control (Continued)

Using the Remote Control as the Wireless Computer Mouse

When connecting the projector and the computer with a USB cable, you can use the remote control as the computer mouse.

If the computer is placed too far away from the projector to be connected via the USB cable, the remote receiver (optional, AN-MR2) makes it possible to operate the projector with the remote control. For details, see the operation manual of the receiver.

Connecting with a USB cable



The mouse pointer can be operated in the following way after it is connected.

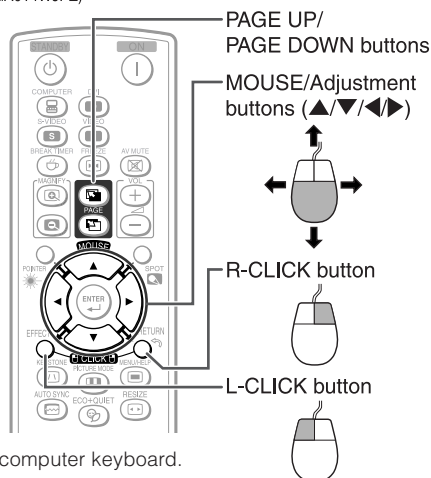
■ **When moving the cursor**
Press MOUSE/Adjustment buttons (▲/▼/◀/▶).

■ **When left-clicking**
Press **L-CLICK**.

■ **When right-clicking**
Press **R-CLICK**.

■ **When your computer supports only a one-click mouse (such as Macintosh)**
Press **L-CLICK** or **R-CLICK**.
L-CLICK and **R-CLICK** have common function.

■ **When using [Page Up] or [Page Down]**
Same as the [Page Up] and [Page Down] keys on a computer keyboard.
Press **PAGE UP** or **PAGE DOWN**.



Note

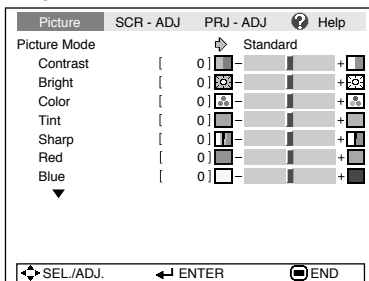
- This function only works with the Microsoft® Windows® OS and Mac OS®. However, this function does not work with the following operation systems that do not support USB.
 - Versions earlier than Windows® 95
 - Versions earlier than Windows® NT4.0
 - Versions earlier than Mac OS® 8.5
- You cannot use this function when displaying the menu screen.
- Confirm that the computer recognizes the USB connection.

Menu Items

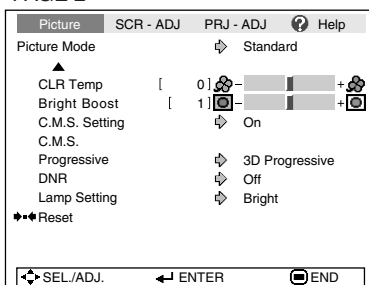
The following shows the items that can be set in the projector.

"Picture" menu

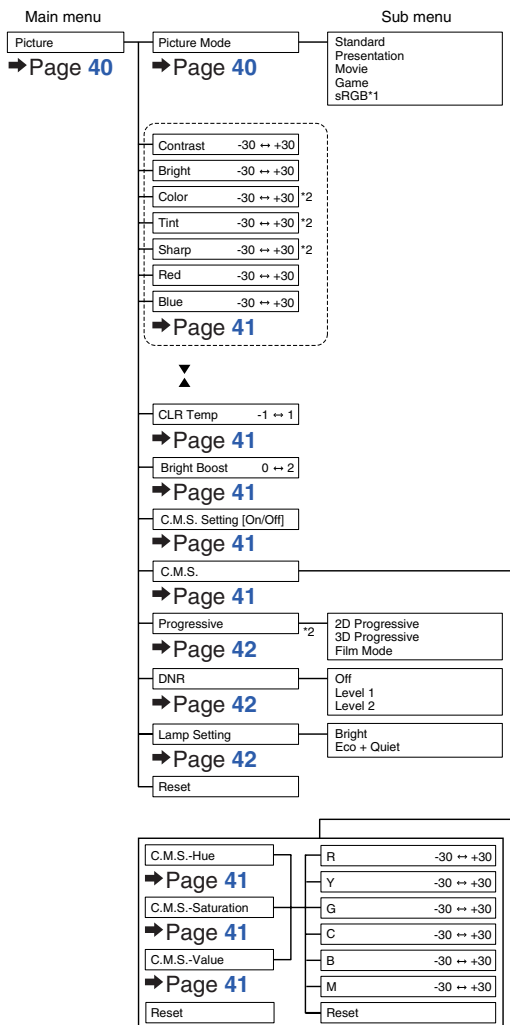
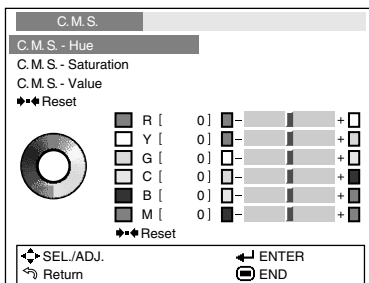
PAGE 1



PAGE 2



"C.M.S." menu



*1 Items when inputting RGB signal through COMPUTER or DVI (XR-H825XA only).

*2 Items when inputting component signal through COMPUTER or DVI (XR-H825XA only), or when selecting S-VIDEO or VIDEO.

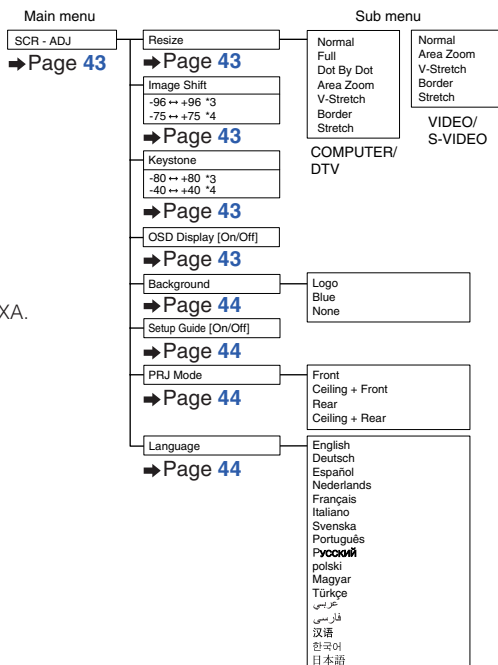
Menu Items (Continued)

"Screen adjustment (SCR-ADJ)" menu

| Picture | SCR - ADJ | PRJ - ADJ | Help |
|--------------------------|-----------|-----------|------|
| Resize | | Border | |
| Image Shift | [0] | | |
| Keystone | [0] | | |
| OSD Display | | On | |
| Background | | Logo | |
| Setup Guide | | On | |
| PRJ Mode | | Front | |
| Language | | English | |
| SEL/ADJ. ENTER END | | | |

*3 Adjustment range for XR-H825XA/XR-M825XA.

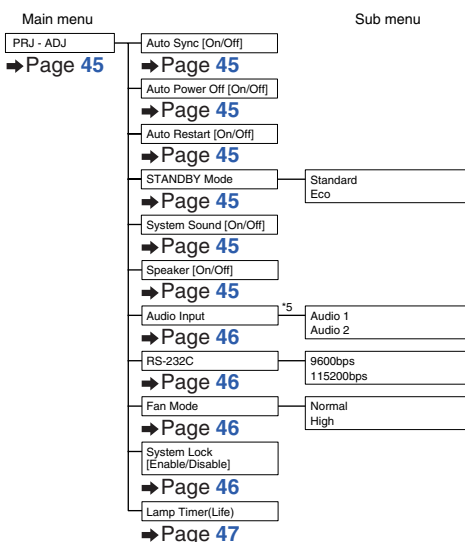
*4 Adjustment range for XR-H825SA.



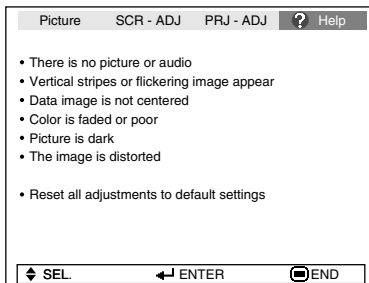
"Projector adjustment (PRJ-ADJ)" menu

| Picture | SCR - ADJ | PRJ - ADJ | Help |
|--------------------------|-----------|------------------|------|
| Auto Sync | | On | |
| Auto Power Off | | On | |
| Auto Restart | | On | |
| STANDBY Mode | | Standard | |
| System Sound | | On | |
| Speaker | | On | |
| Audio Input | | Audio 1 | |
| RS-232C | | 9600bps | |
| Fan Mode | | Normal | |
| System Lock | | Disable | |
| Lamp Timer(Life) | [0] h | [0] min (100%) | |
| SEL/ADJ. ENTER END | | | |

*5 This item is available for XR-H825XA only.



“Help” menu

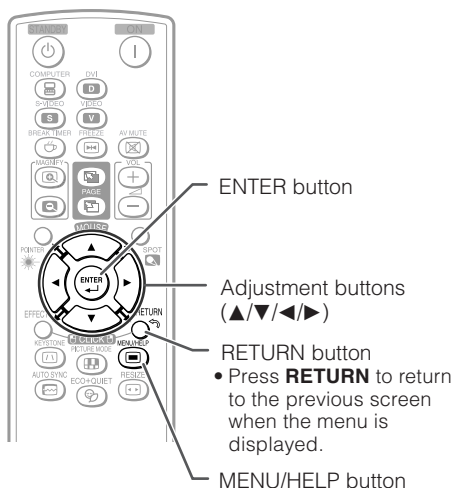
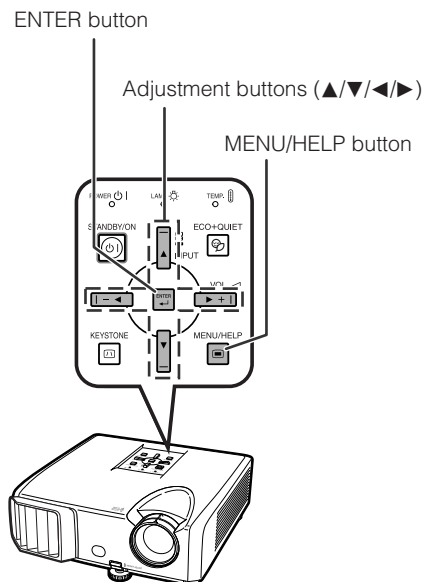


The items you can set with the “Help” menu

“Help” menu → Page 48

- Vertical stripes or flickering image appear
 - Auto Sync
 - Clock
 - Phase
 - Data image is not centered
 - Auto Sync
 - H-Pos
 - V-Pos
 - Color is faded or poor
 - COMPUTER/COMPONENT or DVI (XR-H825XA only) input
 - Signal type: Auto/RGB/Component
 - S-VIDEO or VIDEO input
 - Video System: Auto/PAL/SECAM/NTSC3.58/NTSC4.43/PAL-M/PAL-N/PAL-60
 - DVI (Digital) input (XR-H825XA only)
 - Dynamic range: Auto/Standard/Enhanced
- * The selectable items vary depending on the input signal and the selected input mode.

Using the Menu Screen



Menu Selections (Adjustments)

Example: Adjusting “Bright”.

- This operation can also be performed by using the buttons on the projector.

1

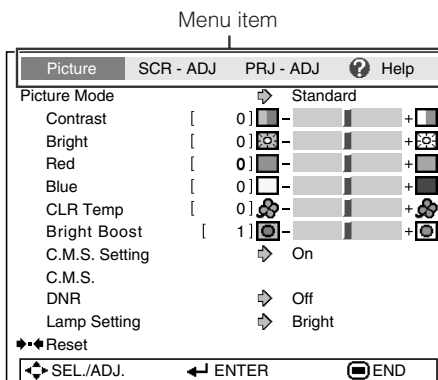
Press MENU/HELP.

- The “Picture” menu screen for the selected input mode is displayed.

2

Press ► or ◀ and select “Picture” to adjust.

Example: “Picture” screen menu for COMPUTER (RGB) input



3

Press ▲ or ▼ and select “Bright” to adjust.

- The selected item is highlighted.

To adjust the projected image while watching it

Press ENTER.

- The selected item (e.g. “Bright”) is displayed by itself at the bottom of the screen.
- When pressing ▲ or ▼, the following item (“Red” after “Bright”) will be displayed.



Note

- Press **ENTER** again to return to the previous screen.

4

Press ◀ or ▶ to adjust the item selected.

- The adjustment is stored.

5

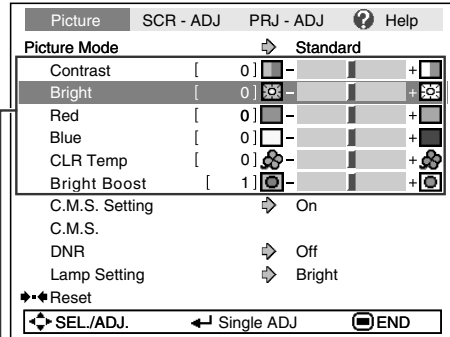
Press MENU/HELP.

- The menu screen will disappear.

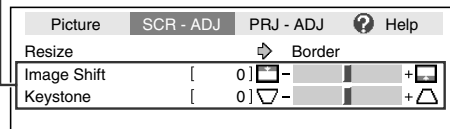


Note

- Menu buttons do not function while the projector is operating the “Auto Sync”, “Break Timer”, “FREEZE”, or “AV MUTE” functions.

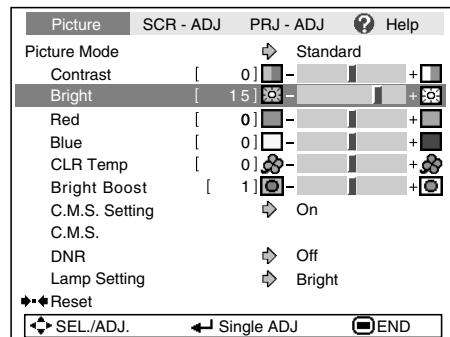


Items to be adjusted



Press **ENTER**.

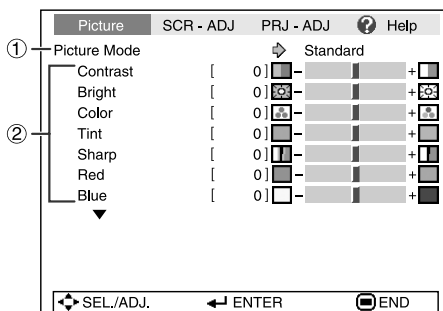
The item displayed by itself



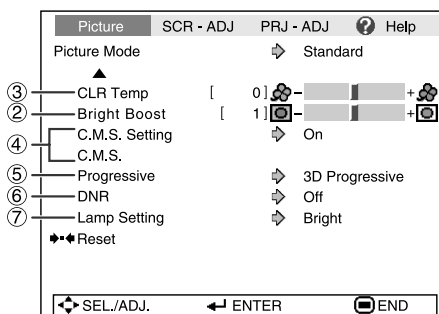
Picture Adjustment (“Picture” Menu)

Menu operation → Page 38

► PAGE1



► PAGE2



① Selecting the Picture Mode

| Selectable items | Description | The default settings of each item when selecting Picture Mode | | |
|------------------|--|---|--------------|--------------|
| | | CLR Temp | Bright Boost | Lamp Setting |
| Standard | For standard image | 0 | 1 | Bright |
| Presentation | Brightens portions of image for more enhanced presentations. | 0 | 2 | Bright |
| Movie | Gives natural tint to the projected image. | -1 | 0 | Eco + Quiet |
| Game | Gives sharpness to the projected image. | 0 | 1 | Bright |
| *sRGB | For high fidelity reproduction of images from a computer. | - | - | Bright |

- “sRGB” is displayed only when RGB signal is input.
- You can set or adjust each item in the “Picture” menu to your preference. Any changes you make are retained in memory.

Note

- You can also press **PICTURE MODE** on the remote control to select the picture mode. (See page 33.)
- *sRGB is an international standard of color reproduction regulated by the IEC (International Electrotechnical Commission). As the fixed color area has been decided by the IEC, the images are displayed in a natural tint based on an original image, when “sRGB” is selected. For additional information about the sRGB function, visit “<http://www.srgb.com/>”. You cannot set the items, “Red”, “Blue”, “CLR Temp”, “Bright Boost”, when “sRGB” is selected.



Info

- When “sRGB” is selected, the projected image may become dark, but this does not indicate a malfunction.

② Adjusting the Image

| Adjustment items | ◀ button | ▶ button |
|-----------------------------|---------------------------------|---------------------------------|
| Contrast | For less contrast. | For more contrast. |
| Bright | For less brightness. | For more brightness. |
| Color* ¹ | For less color intensity. | For more color intensity. |
| Tint* ¹ | For making skin tones purplish. | For making skin tones greenish. |
| Sharp* ¹ | For less sharpness. | For more sharpness. |
| Red* ² | For weaker red. | For stronger red. |
| Blue* ² | For weaker blue. | For stronger blue. |
| Bright Boost™* ² | For making the effect weaker. | For making the effect stronger. |

*1 Not displayed in the RGB input mode.

*2 Not adjustable/selectable when selecting "sRGB".



Note

- "Red", "Blue", "Bright Boost" and "CLR Temp" cannot be set when "sRGB" is selected.
- To reset all adjustment items, select "Reset" and press **ENTER**.

③ Adjusting the Color Temperature

| Selectable items | Description |
|------------------|---|
| -1 | For lower color temperature for warmer, reddish incandescent-like images. |
| 0 | ↕ |
| 1 | For higher color temperature for cooler, bluish, fluorescent-like images. |



Note

- Values on "CLR Temp" are only for general standard purposes.

④ Adjusting the Colors

This function adjusts each of the six main colors that comprise the color wheel, altering their "Hue", "Saturation", or "Value".

| Selectable items | Description |
|-------------------|--|
| C.M.S.-Hue | Sets the hue of the main colors. |
| C.M.S.-Saturation | Sets the saturation of the main colors. |
| C.M.S.-Value | Sets the brightness of the main colors. |
| Reset | The adjustments of "Hue", "Saturation" and "Value" of all colors are reset to the default setting. |

Adjusting "Hue", "Saturation", or "Value".

- 1 Select "On" for "C.M.S. Setting" in the "Picture" menu and then press **ENTER**.
- 2 Select "C.M.S." in the "Picture" menu and then press **ENTER**.
- 3 Press ▲ or ▼ to select either "Hue", "Saturation", or "Value" and then press **ENTER**.
- 4 Select the color to be adjusted with ▲ or ▼ and adjust it with ◀ or ▶.

Example of adjusting the "Hue"

| Main colors | ◀ button | ▶ button |
|-------------|-------------------|-------------------|
| R (Red) | Closer to magenta | Closer to yellow |
| Y (Yellow) | Closer to red | Closer to green |
| G (Green) | Closer to yellow | Closer to cyan |
| C (Cyan) | Closer to green | Closer to blue |
| B (Blue) | Closer to cyan | Closer to magenta |
| M (Magenta) | Closer to blue | Closer to red |

- When "Saturation" is selected, the selected color becomes
◀: lighter. ▶: thicker.
- When "Value" is selected, the selected color becomes
◀: darker. ▶: brighter.
- To reset the adjustment values of each color to the default settings, select "Reset" and press **ENTER**.

Picture Adjustment (“Picture” Menu) (Continued)

Menu operation → Page 38

⑤ Progressive

| Selectable items | Description |
|------------------|---|
| 2D Progressive | Useful to display fast-moving images such as sports. |
| 3D Progressive | Useful to display relatively slow-moving images such as drama and documentary more clearly. |
| Film Mode | Reproduces the image of film source* clearly. Displays the optimized image of film transformed with three-two pull down (NTSC and PAL60Hz) or two-two pull down (PAL50Hz and SECAM) enhancement to progressive mode images. |

* The film source is a digital video recording with the original encoded as is at 24 frames/second. The projector can convert this film source to progressive video at 60 frames/second with NTSC and PAL60Hz or at 50 frames/second with PAL50Hz and SECAM to play back a high-definition image.

Note

- In NTSC or PAL60Hz, even if the 3D Progressive mode has been set, the three-two pull down enhancement will be enabled automatically when the film source has been entered.
- When the image is blurred or noisy, switch to the optimal mode.

Info

- This function is available for 480i and 576i signals using COMPUTER/COMPONENT or DVI (XR-H825XA only) input.
- This function is available for all signals with S-VIDEO and VIDEO input.

⑥ Reducing Image Noise (DNR)

Video digital noise reduction (DNR) provides high quality images with minimal dot crawl and cross color noise.

| Selectable items | Description |
|------------------|---|
| Off | The DNR function is not activated. |
| Level 1 | Sets the DNR level for viewing a clearer picture. |
| Level 2 | |

Note

Set “DNR” to “Off” in the following cases:

- When the image is blurry.
- When the contours and colors of moving images drag.
- When TV broadcasts with weak signals are projected.

⑦ Lamp Setting

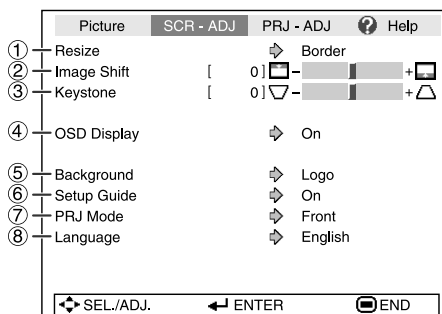
| Selectable items | Brightness and Power consumption |
|------------------|----------------------------------|
| Eco + Quiet | Approx. 80% |
| Bright | 100% |

Note

- In the Eco + Quiet mode, the fan sound and power consumption are lower than those in the Bright mode. (Projection brightness decreases as shown in the chart.)

Adjusting the Projected Image ("SCR - ADJ" Menu)

Menu operation → Page 38



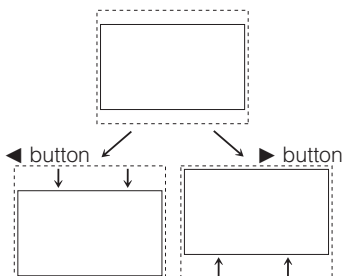
① Setting the Resize Mode

Note

- For details of the Resize mode, see pages 30 and 31.
- You can also press **RESIZE** on the remote control to set the resize mode. (See page 30.)

② Adjusting the Image Position

You can move the projected image vertically.



Note

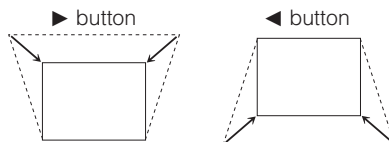
- This function only works in some RESIZE modes. (See pages 30 and 31.)

③ Keystone Correction

When the image is projected either from the top or from the bottom towards the screen at an angle, the image becomes distorted trapezoidally. The function for correcting trapezoidal distortion is called Keystone Correction.

Select "Keystone" on the "SCR-ADJ" menu and adjust with the slide bar.

See page 28 for details of Keystone Correction.



Note

- The Keystone Correction can be adjusted up to an angle of approximately ± 40 (XR-H825XA/XR-M825XA) ± 20 (XR-H825SA) degrees (when "Resize" is set to "Normal").
- You can also press **KEYSTONE** on the remote control or on the projector to adjust Keystone Correction.

④ Setting the On-screen Display

| Selectable items | Description |
|------------------|---|
| On | All on-screen displays are displayed. |
| Off | INPUT/VOLUME/AV MUTE/FREEZE/AUTO SYNC/RESIZE/PICTURE MODE/ECO+QUIET/MAGNIFY/ "An invalid button has been pressed." are not displayed. |

Adjusting the Projected Image ("SCR - ADJ" Menu) (Continued)

Menu operation → Page 38

⑤ Selecting the Background Image

| Selectable items | Description |
|------------------|-------------------|
| Logo | Sharp logo screen |
| Blue | Blue screen |
| None | — |

⑥ Selecting the Setup Guide

| Selectable items | Description |
|------------------|---|
| On | Displaying the Setup Guide when turning the projector on. |
| Off | Not displaying the Setup Guide. |

⑦ Reversing/Inverting Projected Images

| Selectable items | Description |
|------------------|--|
| Front | Normal image (Projected from the front of the screen) |
| Ceiling + Front | Inverted image (Projected from the front of the screen with an inverted projector) |
| Rear | Reversed image (Projected from the rear of the screen or with a mirror) |
| Ceiling + Rear | Reversed and inverted image (Projected with a mirror) |

See page 19 for details of Projection (PRJ) Mode.

⑧ Selecting the On-screen Display Language

The projector can switch the on-screen display language among 17 languages.

English
Deutsch
Español
Nederlands
Français
Italiano
Svenska
Português
Русский
polski
Magyar



▲
Türkçe
عربي
فارسی
汉语
한국어
日本語

Adjusting the Projector Function (“PRJ - ADJ” Menu)

Menu operation → Page 38

| | Picture | SCR - ADJ | PRJ - ADJ | ? Help |
|---|---|--------------------------|-----------|--------|
| ① | Auto Sync | ↔ | On | |
| ② | Auto Power Off | ↔ | On | |
| ③ | Auto Restart | ↔ | On | |
| ④ | STANDBY Mode | ↔ | Standard | |
| ⑤ | System Sound | ↔ | On | |
| ⑥ | Speaker | ↔ | On | |
| ⑦ | Audio Input | ↔ | Audio 1 | |
| ⑧ | RS-232C | ↔ | 9600bps | |
| ⑨ | Fan Mode | ↔ | Normal | |
| ⑩ | System Lock | ↔ | Disable | |
| ⑪ | Lamp Timer(Life) | [0] h [0] min (100%) | | |
| | <div> <div>SEL./ADJ.</div> <div>ENTER</div> <div>END</div> </div> | | | |

① Auto Sync (Auto Sync Adjustment)

| Selectable items | Description |
|------------------|---|
| On | Auto Sync adjustment will occur when the projector is turned on or when the input signals are switched, when connected to a computer. |
| Off | Auto Sync adjustment is not automatically performed. |

Note

- Auto Sync adjustment is also performed by pressing **AUTO SYNC** on the remote control.
- The Auto Sync adjustment may take some time to complete, depending on the image of the computer connected to the projector.
- When the optimum image cannot be achieved with Auto Sync adjustment, use manual adjustments. (See page 48.)

② Auto Power Off Function

| Selectable items | Description |
|------------------|---|
| On | When no input signal is detected for more than 15 minutes, the projector will automatically enter standby mode. |
| Off | The Auto Power Off function will be disabled. |

Note

- When the Auto Power Off function is set to “On”, 5 minutes before the projector enters standby mode, the message “Enter STANDBY mode in X min.” will appear on the screen to indicate the remaining minutes.

③ Auto Restart Function

| Selectable items | Description |
|------------------|--|
| On | If the power cord is unplugged from the outlet or the breaker switch is turned off when the projector is on, then the projector automatically turns on when the power cord is plugged into the AC outlet or the breaker switch is turned on. |
| Off | The projector does not turn on automatically when the power cord is plugged into the AC outlet or the breaker switch is turned on. |

④ STANDBY Mode

When set to “Eco”, power consumption is reduced in standby mode.

| Selectable items | Description |
|------------------|--|
| Eco | The monitor output and RS-232C functions are switched off in standby mode. |
| Standard | The monitor output and RS-232C functions are activated even if the projector is in standby mode. |

⑤ Setting the Confirmation Sound (System Sound)

| Selectable items | Description |
|------------------|---|
| On | A confirmation sound is made when the projector turns on/off. |
| Off | No confirmation sound is made. |

⑥ Speaker Setting

| Selectable items | Description |
|------------------|---|
| On | The audio signal is output from the internal speaker. |
| Off | The audio signal is not output from the internal speaker. |

Adjusting the Projector Function (“PRJ - ADJ” Menu) (Continued)

Menu operation → Page 38

⑦ Audio Input (XR-H825XA only)

This function allows you to select an appropriate combination of audio input terminals for each input mode.

| Selectable items | Description |
|------------------|--|
| Audio 1 | The AUDIO 1 input terminal is used as an audio input terminal. |
| Audio 2 | The AUDIO 2 input terminal is used as an audio input terminal. |

⑧ Selecting the Transmission Speed (RS-232C)

Make sure that both the projector and computer are set for the same baud rate.

| Selectable items | Description |
|------------------|------------------------------|
| 9600bps | Transmission speed is slow. |
| | ↕ |
| 115200bps | Transmission speed is rapid. |

⑨ Fan Mode Setting

This function changes the fan rotation speed.

| Selectable items | Description |
|------------------|--|
| Normal | Suitable for normal environments. |
| High | Select this when using the projector at altitudes of approximately 1,500 meters or more. |

When “Fan Mode” is set to “High”, the fan rotation speeds up, and the fan noise becomes louder.

⑩ System Lock Function

This function prevents unauthorized use of the projector. Once this function is activated, users must enter the correct keycode each time the projector is turned on. **We suggest you record the keycode in a safe place where only authorized users have access.**



Info

- If you lose or forget your keycode, contact your nearest Sharp Authorized Projector Dealer or Service Center. Even if the product warranty is valid, the keycode reset will incur a charge.

■ Setting/Changing the keycode

1 Select “System Lock”, then press **ENTER** or **▶**.

2 Select “Next”, then press **ENTER**.
• The screen for entering the keycode appears.

3 Press the 4 buttons on the remote control or on the projector to enter the preset keycode in “Old Code”.
• When setting the keycode for the first time, press **▼** on the projector for four times.

PRJ - ADJ

Setting the System Lock

| | |
|-----------|---------|
| Old Code | - - - - |
| New Code | - - - - |
| Reconfirm | - - - - |

Note

- If you input a wrong keycode, the cursor returns to the first point of the “Old Code”.
- The preset keycode is 4 **▼** buttons on the projector. When you press the **▼** button four times, the keycord input screen disappears.

4 Press the 4 buttons on the remote control or on the projector to enter the new keycode in “New Code”.

Note

- You cannot use the following buttons for keycode: **STANDBY/ON, ON, STANDBY, ENTER, L-CLICK, R-CLICK/RETURN and MENU/HELP**
- System lock function recognizes each button on the remote control or on the projector as an individual button, even if they share the same button name. If you used the buttons on the projector in setting your keycode, the keycode cannot be canceled with the remote control.

PRJ - ADJ

Setting the System Lock

| | |
|-----------|---------|
| Old Code | * * * * |
| New Code | - - - - |
| Reconfirm | - - - - |

5

Enter the same keycode in “Re-confirm”.



Note

To cancel the keycode that you have already set

- Press ▼ on the projector for four times in steps 4 and 5 above.

When the System Lock is set

- When System Lock is set, the keycode input screen appears after the power is turned on. When it appears, enter the right keycode to start projection.

Input screen for keycode

System Lock

— — — —

⑪ Checking the Lamp Life Status

You can confirm the cumulative lamp usage time and the remaining lamp life (percentage).

| Lamp usage condition | Remaining lamp life | |
|--|---------------------|-------------------|
| | “Life” | |
| | 100% | 5% |
| Operated exclusively with Lamp Setting set to “Eco +Quiet” | Approx. 4,000 hours | Approx. 200 hours |
| Operated exclusively with Lamp Setting set to “Bright” | Approx. 2,000 hours | Approx. 100 hours |



Note

- It is recommended that the lamp be changed when the remaining lamp life becomes 5%.
- The lamp life may vary depending on the usage condition.

Keylock Function

Locking the Operation Buttons on the Projector

Use this function to lock the operation buttons on the projector.

■ Locking the Operation Buttons

Hold down **ENTER** on the projector for about 5 seconds while the projector is being turned on.

On-screen display

Keylock function ON

- The keylock function does not affect the operation with the remote control buttons.
- You cannot use the keylock function while the projector is warming up.

■ Taking the Keylock off

Hold down **ENTER** on the projector for about 5 seconds.

On-screen display

Keylock function OFF

- When the projector is in standby mode, you can release the keylock by holding down **ENTER** and **STANDBY/ON** on the projector simultaneously for about 5 seconds.



Info

- Keylock cannot be set while the projector is: displaying the “Setup Guide” or “Menu” screens, in standby mode, warming up, changing input signals, operating “Auto Sync” function, in “FREEZE” mode or on the “System Lock” screen during warming up.

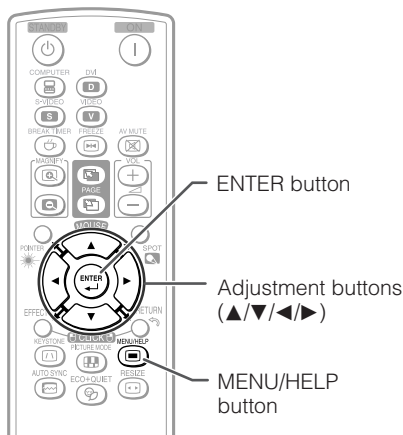
Troubleshooting with the “Help” Menu

This function advises you to solve the problems during usage.

Utilizing the “Help” Menu Functions

Example: When image flickering appears

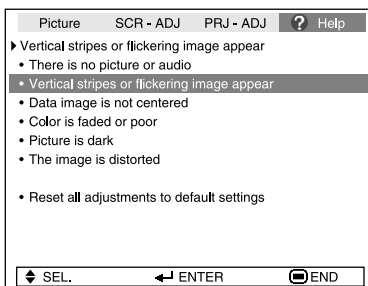
Operation to solve image flickering when projecting the computer RGB signal.



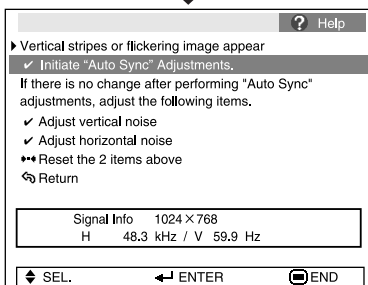
1 Press **MENU/HELP**.

2 Press **◀** or **▶** to select “Help”, then press **ENTER**.

3 Press **▲** or **▼** to select “Vertical stripes or flickering image appears” on Help menu, then press **ENTER**.



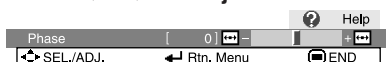
Press **ENTER**.



4 Select “Initiate “Auto Sync” Adjustments”, then press **ENTER**.

5 If the image is not improved, select “Adjust horizontal noise”, then press **ENTER**.

6 Press **◀** or **▶** to adjust.



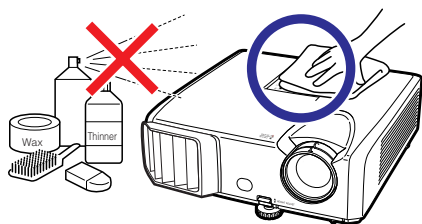
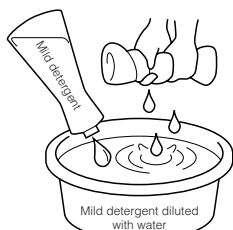
Note

- You can adjust the items with check marks (✓).
- The items in the “Help” menu change, depending on the input signal or setting that you have selected.
- If the problem is not solved, refer to “Troubleshooting” (see pages 63 and 64).
- When selecting “sRGB” in “Picture Mode”, the item “Color is faded or poor” is not displayed. This means you cannot change input signal types.

Maintenance

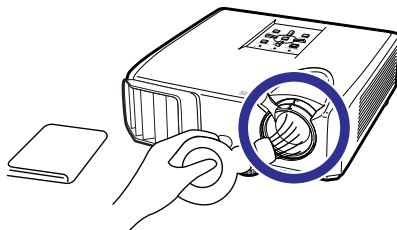
Cleaning the projector

- Ensure that you have unplugged the power cord before cleaning the projector.
- The cabinet as well as the operation panel is made of plastic. Avoid using benzene or thinner, as these can damage the finish on the cabinet.
- Do not use volatile agents such as insecticides on the projector.
Do not attach rubber or plastic items to the projector for long periods.
The effects of some of the agents in the plastic may cause damage to the quality or finish of the projector.
- Wipe off dirt gently with a soft flannel cloth.
- When the dirt is hard to remove, soak a cloth in a mild detergent diluted with water, wring the cloth well and then wipe the projector. Strong cleaning detergents may discolor, warp or damage the coating on the projector. Make sure to test on a small, inconspicuous area on the projector before use.



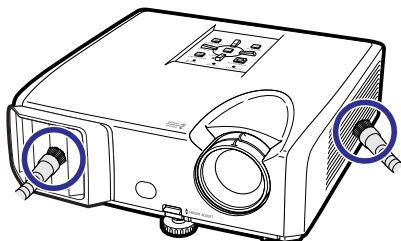
Cleaning the lens

- Use a commercially available blower or lens cleaning paper (for glasses and camera lenses) for cleaning the lens. Do not use any liquid type cleaning agents, as they may wear off the coating film on the surface of the lens.
- As the surface of the lens can easily get damaged, be careful not to scrape or hit the lens.



Cleaning the exhaust and intake vents

- Use a vacuum cleaner to clean dust from the exhaust vent and the intake vent.

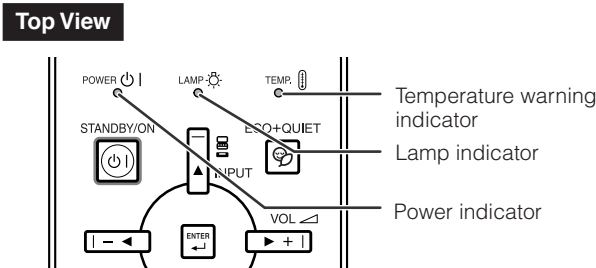


Info

- If you want to clean the air vents during projector operation, ensure you press **STANDBY/ON** on the projector or **STANDBY** on the remote control and put the projector into standby mode. After the cooling fan has stopped, clean the vents.

Maintenance Indicators

- The warning lights (power indicator, lamp indicator and temperature warning indicator) on the projector indicate problems inside the projector.
- If a problem occurs, either the temperature warning indicator or the lamp indicator will illuminate red, and the projector will enter standby mode. After the projector has entered standby mode, follow the procedures given below.



About the temperature warning indicator



If the temperature inside the projector increases, due to blockage of the air vents, or the setting location, "TEMP." will illuminate in the lower left corner of the picture. If the temperature keeps on rising, the lamp will turn off and the temperature warning indicator will blink, the cooling fan will run, and then the projector will enter standby mode. After "TEMP." appears, ensure you perform the measures described on page 51.

About the lamp indicator



- When the remaining lamp life becomes 5% or less, (yellow) and "Change The Lamp" will be displayed on the screen. When the percentage becomes 0%, it will change to (red), the lamp will automatically turn off and then the projector will automatically enter standby mode. At this time, the lamp indicator will illuminate in red.
- **If you try to turn on the projector a fourth time without replacing the lamp, the projector will not turn on.**

Indicators on the Projector

| | | |
|-------------------------------|--------------|--|
| Power indicator | Red on | Normal (Standby) |
| | Green on | Normal (Power on) |
| | Red blinks | Abnormal (See page 51.) |
| | Green blinks | Normal (Cooling) |
| Lamp indicator | Green on | Normal |
| | Green blinks | The lamp is warming up. |
| | Red on | The lamp is shut down abnormally or requires to be changed. (See page 51.) |
| Temperature warning indicator | Off | Normal |
| | Red on | The internal temperature is abnormally high. (See page 51.) |

| Maintenance indicator | | | Problem | Cause | Possible Solution |
|-------------------------------|---|------------------|---|---|---|
| | Normal | Abnormal | | | |
| Temperature warning indicator | Off | Red on (Standby) | The internal temperature is abnormally high. | • Blocked air intake | • Relocate the projector to an area with proper ventilation. (See page 8.) |
| | | | | • Cooling fan breakdown • Internal circuit failure • Clogged air intake | • Take the projector to your nearest Sharp Authorized Projector Dealer or Service Center for repair. |
| Lamp indicator | Green on (Green blinks when the lamp is warming up or turning off.) | Red on | The lamp does not illuminate. | • The lamp is shut down abnormally. | • Disconnect the power cord from the AC outlet, and then connect it again. |
| | | | Time to change the lamp. | • Remaining lamp life becomes 5% or less. | • Carefully replace the lamp. (See page 52.) • Take the projector to your nearest Sharp Authorized Projector Dealer or Service Center or repair. |
| | | Red on (Standby) | The lamp does not illuminate. | • Burnt-out lamp • Lamp circuit failure | • Please exercise care when replacing the lamp. • Securely install the cover. |
| Power indicator | Green on/ Red on Green blinks (Cooling) | Red blinks | The power indicator blinks in red when the projector is on. | • The lamp unit cover is open. | • If the power indicator blinks in red even when the lamp unit cover are securely installed, contact your nearest Sharp Authorized Projector Dealer or Service Center for advice. |



Info

- If the temperature warning indicator illuminates, and the projector enters standby mode, follow the possible solutions above and then wait until the projector has cooled down completely before plugging in the power cord and turning the power back on. (At least 10 minutes.)
- If the power is turned off for a brief moment due to power outage or some other cause while using the projector, and the power supply recovers immediately after that, the lamp indicator will illuminate in red and the lamp may not be lit. In this case, unplug the power cord from the AC outlet, replace the power cord in the AC outlet and then turn the power on again.
- The cooling fan keeps the internal temperature of the projector constant and this function is controlled automatically. The sound of the cooling fan may change during operation because the fan speed may change and this is not a malfunction.

Regarding the Lamp

Lamp

- It is recommended that the lamp (sold separately) be replaced when the remaining lamp life becomes 5% or less, or when you notice a significant deterioration in the picture and color quality. The lamp life (percentage) can be checked with the on-screen display. (See page 47.)
- Purchase a replacement lamp of type AN-F212LP from your place of purchase, nearest Sharp Authorized Projector Dealer or Service Center.

Caution Concerning the Lamp

- This projector utilizes a pressurized mercury lamp. A loud sound may indicate lamp failure. Lamp failure can be attributed to numerous sources such as: excessive shock, improper cooling, surface scratches or deterioration of the lamp due to a lapse of usage time. The period of time up to failure largely varies depending on the individual lamp and/or the condition and the frequency of use. It is important to note that failure can often result in the bulb cracking.
- When the lamp replacement indicator and on-screen display icon are illuminated, it is recommended that the lamp be replaced with a new one immediately, even if the lamp appears to be operating normally.
- Should the lamp break, there is also a possibility that glass particles may spread inside of the projector. In such a case, it is recommended you contact your nearest Sharp Authorized Projector Dealer or Service Center to assure safe operation.
- Should the lamp break, the glass particles may spread inside the lamp cage or gas contained in the lamp may be vented into the room from the exhaust vent. Because the gas in this lamp includes mercury, ventilate the room well if the lamp breaks and avoid all exposure to the released gas. In case of exposure to the gas, consult a doctor as soon as possible.

Replacing the Lamp



Caution

- Do not remove the lamp unit from the projector right after use. The lamp will be very hot and may cause burns or injury.
 - Wait at least one hour after the power cord is disconnected to allow the surface of the lamp unit to fully cool before removing the lamp unit.
- **Carefully change the lamp by following the instructions described in this section. * If you wish, you may have the lamp replaced at your nearest Sharp Authorized Projector Dealer or Service Center.**
- * If the new lamp does not light after replacement, take your projector to the nearest Sharp Authorized Projector Dealer or Service Center for repair.

Removing and Installing the Lamp Unit



Warning!

- Do not remove the lamp unit from the projector right after use. The lamp and parts around the lamp will be very hot and may cause burns or injury.



Info

- Do not touch the glass surface of the lamp unit or the inside of the projector.
- To avoid injury to yourself and damage to the lamp, make sure you carefully follow the steps below.
- Do not loosen other screws except for the lamp unit cover and lamp unit.

1

Press **STANDBY/ON on the projector or **STANDBY** on the remote control to put the projector into standby mode.**

- Wait until the cooling fan stops.

2

Disconnect the power cord.

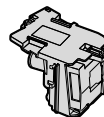
- Unplug the power cord from the AC socket.
- Leave the lamp until it has fully cooled down (about 1 hour).

3

Remove the lamp unit cover.

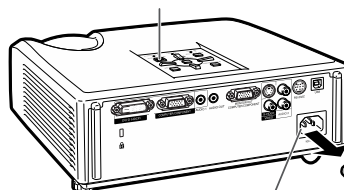
- Turn the projector over. Loosen the user service screw (①) that secures the lamp unit cover. Remove the lamp unit cover (②).

Optional
accessory



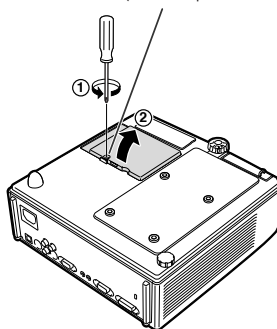
Lamp unit
AN-F212LP

STANDBY/ON button



AC socket

User service screw
(for lamp unit cover)



Regarding the Lamp (Continued)

4 Remove the lamp unit.

- Loosen the securing screws from the lamp unit. Hold the lamp unit and pull it in the direction of the arrow. At this time, keep the lamp unit horizontal and do not tilt it.

5 Insert the new lamp unit.

- Press the lamp unit firmly into the lamp unit compartment. Fasten the securing screws.

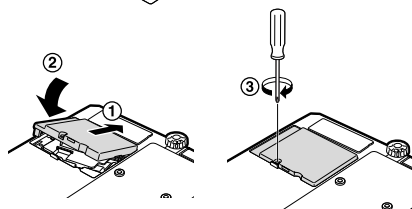
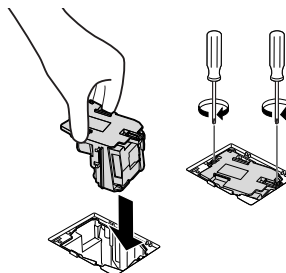
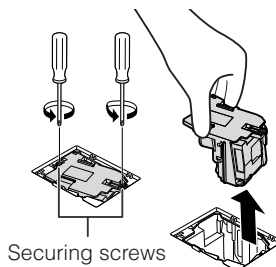
6 Replace the lamp unit cover.

- Align the tab on the lamp unit cover (①) and place it while pressing the tab (②) to close it. Then tighten the user service screw (③) to secure the lamp unit cover.



Info

- If the lamp unit and lamp unit cover are not correctly installed, the power will not turn on, even if the power cord is connected to the projector.



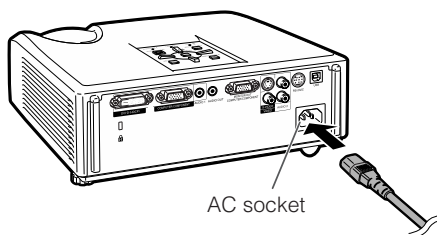
Resetting the Lamp Timer

Reset the lamp timer after replacing the lamp.



Info

- Make sure to reset the lamp timer only when replacing the lamp. If you reset the lamp timer and continue to use the same lamp, this may cause the lamp to become damaged or explode.

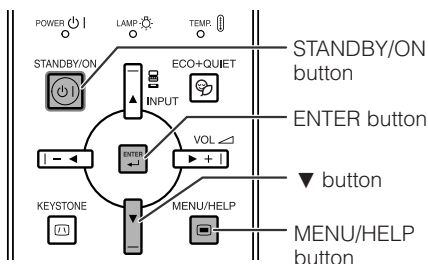


1 Connect the power cord.

- Plug the power cord into the AC socket of the projector.

2 Reset the lamp timer.

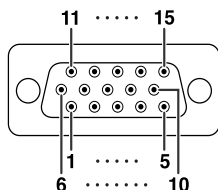
- While simultaneously holding down **MENU/HELP**, **ENTER** and **▼** on the projector, press **STANDBY/ON** on the projector.
- "LAMP 0000H" is displayed, indicating that the lamp timer is reset.





Connecting Pin Assignments

COMPUTER/COMPONENT input and COMPUTER/COMPONENT output Terminals : mini D-sub 15 pin female connector



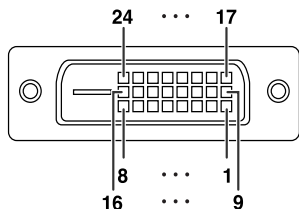
COMPUTER Input/Output

- | Pin No. | Signal |
|---------|-----------------------------------|
| 1. | Video input (red) |
| 2. | Video input (green/sync on green) |
| 3. | Video input (blue) |
| 4. | Not connected |
| 5. | Not connected |
| 6. | Earth (red) |
| 7. | Earth (green/sync on green) |
| 8. | Earth (blue) |
| 9. | Not connected |
| 10. | GND |
| 11. | Not connected |
| 12. | Bi-directional data |
| 13. | Horizontal sync signal: TTL level |
| 14. | Vertical sync signal: TTL level |
| 15. | Data clock |

COMPONENT Input/Output

- | Pin No. | Signal |
|---------|---------------|
| 1. | PR (CR) |
| 2. | Y |
| 3. | PB (CB) |
| 4. | Not connected |
| 5. | Not connected |
| 6. | Earth (PR) |
| 7. | Earth (Y) |
| 8. | Earth (PB) |
| 9. | Not connected |
| 10. | Not connected |
| 11. | Not connected |
| 12. | Not connected |
| 13. | Not connected |
| 14. | Not connected |
| 15. | Not connected |

DVI-D Terminal : 24 pin connector (XR-H825XA only)

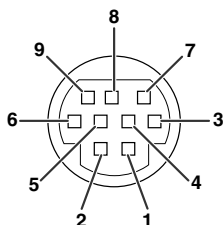


- | Pin No. | Signal |
|---------|-----------------------|
| 1. | T.M.D.S data 2- |
| 2. | T.M.D.S data 2+ |
| 3. | T.M.D.S data 2 shield |
| 4. | Not connected |
| 5. | Not connected |
| 6. | DDC clock |
| 7. | DDC data |
| 8. | Not connected |
| 9. | T.M.D.S data 1- |
| 10. | T.M.D.S data 1+ |
| 11. | T.M.D.S data 1 shield |
| 12. | Not connected |
| 13. | Not connected |
| 14. | +5V power |
| 15. | Ground |

- | Pin No. | Signal |
|---------|-----------------------|
| 16. | Hot plug detection |
| 17. | T.M.D.S data 0- |
| 18. | T.M.D.S data 0+ |
| 19. | T.M.D.S data 0 shield |
| 20. | Not connected |
| 21. | Not connected |
| 22. | T.M.D.S clock shield |
| 23. | T.M.D.S clock+ |
| 24. | T.M.D.S clock- |

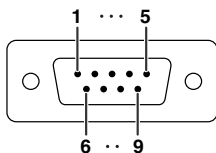
Connecting Pin Assignments (Continued)

RS-232C Terminal : mini DIN 9 pin female connector



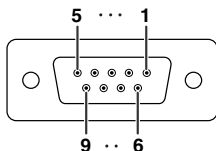
| Pin No. | Signal | Name | I/O | Reference |
|---------|--------|-----------------|--------|-------------------------------------|
| 1. | | | | Not connected |
| 2. | RD | Receive Data | Input | Connected to internal circuit |
| 3. | SD | Send Data | Output | Connected to internal circuit |
| 4. | | | | Not connected |
| 5. | SG | Signal Ground | | Connected to internal circuit |
| 6. | | | | Not connected |
| 7. | RS | Request to Send | | Connected to CS in internal circuit |
| 8. | CS | Clear to Send | | Connected to RS in internal circuit |
| 9. | | | | Not connected |

RS-232C Terminal : D-sub 9 pin male connector of the DIN-D-sub RS-232C adaptor



| Pin No. | Signal | Name | I/O | Reference |
|---------|--------|-----------------|--------|-------------------------------------|
| 1. | | | | Not connected |
| 2. | RD | Receive Data | Input | Connected to internal circuit |
| 3. | SD | Send Data | Output | Connected to internal circuit |
| 4. | | | | Not connected |
| 5. | SG | Signal Ground | | Connected to internal circuit |
| 6. | | | | Not connected |
| 7. | RS | Request to Send | | Connected to CS in internal circuit |
| 8. | CS | Clear to Send | | Connected to RS in internal circuit |
| 9. | | | | Not connected |

RS-232C Cable recommended connection : D-sub 9 pin female connector



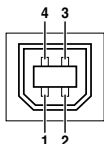
| Pin No. | Signal | Pin No. | Signal |
|---------|--------|---------|--------|
| 1. | CD | 1. | CD |
| 2. | RD | 2. | RD |
| 3. | SD | 3. | SD |
| 4. | ER | 4. | ER |
| 5. | SG | 5. | SG |
| 6. | DR | 6. | DR |
| 7. | RS | 7. | RS |
| 8. | CS | 8. | CS |
| 9. | CI | 9. | CI |

Note

- Depending on the controlling device used, it may be necessary to connect Pin 4 and Pin 6 on the controlling device (e.g. computer).



USB Terminal : Type B USB connector



| Pin No. | Signal | Name |
|---------|--------|---------------|
| 1. | VCC | USB power |
| 2. | USB- | USB data- |
| 3. | USB+ | USB data+ |
| 4. | SG | Signal Ground |

RS-232C Specifications and Commands

Computer control

A computer can be used to control the projector by connecting an RS-232C serial control cable (cross type, commercially available) to the projector. (See page 24 for connection.)

Communication conditions

Set the serial port settings of the computer to match that of the table.

Signal format: Conforms to RS-232C standard.

Parity bit: None

Baud rate*: 9,600 bps / 115,200 bps

Stop bit: 1 bit

Data length: 8 bits

Flow control: None

*Set the projector's baud rate to the same rate as used by the computer.

Basic format

Commands from the computer are sent in the following order: command, parameter, and return code. After the projector processes the command from the computer, it sends a response code to the computer.

Command format



Response code format

Normal response



Problem response (communication error or incorrect command)



Info

- When controlling the projector using RS-232C commands from a computer, wait for at least 30 seconds after the power has been turned on, and then transmit the commands.
- After sending an input selection or picture adjustment command and then receiving an "OK" response code, the projector may take some time to process the command. If a second command is sent while the projector is still processing the first command, you may receive an "ERR" response code. If this happens, try resending the second command.
- When more than one code is being sent, send each command only after the response code for the previous command from the projector is verified.
- "POWER???? " "TABN ____ 1" "TLPS ____ 1" "TPOW ____ 1" "TLPN ____ 1" "TLTT ____ 1" "TLTM ____ 1" "TLTL ____ 1" "TNAM ____ 1" "MNRD ____ 1" "PJNO ____ 1"
 - When the projector receives the special commands shown above:
 - * The on-screen display will not disappear.
 - * The "Auto Power Off" timer will not be reset.
 - The special commands are available for applications that require continuous polling.

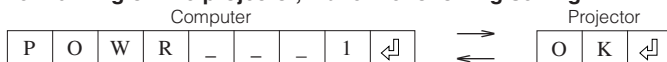
Note

- If an underbar (_) appears in the parameter column, enter a space.
 - If an asterisk (*) appears in the parameter column, enter a value in the range indicated in brackets under Control Contents.
- *1 For setting the projector name, send the commands in the order of PJN1, PJN2 and PJN3.
- *2 This command should be sent only after the "IRGB ____ 2" command is sent and an "OK" response code is received.
- *3 The Lamp Timer Reset command is available only in standby mode.

RS-232C Specifications and Commands (Continued)

Commands

Example: When turning on the projector, make the following setting.



| CONTROL CONTENTS | | COMMAND | PARAMETER | RETURN | |
|---------------------|--|---------|-----------|--|---|
| | | | | Power ON | Standby mode (or 30-second startup time) |
| Power | On | P O W R | _ _ _ 1 | OK or ERR | OK |
| | Off | P O W R | _ _ _ 0 | OK | OK or ERR |
| | Status | P O W R | ? ? ? 1 | 1 | 0 |
| Projector Condition | | T A B N | _ _ _ 1 | 0: Normal 1: Temp High 8: Lamp Life 5% or less 16: Lamp Burn-out 32: Lamp Ignition Failure | 0: Normal 1: Temp High 2: Fan Error 4: Cover Open 8: Lamp Life 5% or less 16: Lamp Burn-out 32: Lamp Ignition Failure 64: Temp Abnormally High |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Lamp | Status | T L P S | _ _ _ 1 | 0:Off, 1:On, 2:Retry 3:Waiting, 4:Lamp Error | 0:Off, 4:Lamp Error |
| | Power Status | T P O W | _ _ _ 1 | 1:On, 2:Cooling | 0:Standby |
| | Quantity | T L P N | _ _ _ 1 | 1 | |
| | Usage Time(Hour) | T L T T | _ _ _ 1 | 0 – 9999(Integer) | |
| | Usage Time(Minute) | T L T M | _ _ _ 1 | 0, 15, 30, 45 | |
| | Life(Percentage) | T L T L | _ _ _ 1 | 0% – 100%(Integer) | |
| Name | Model Name Check | T N A M | _ _ _ 1 | XR-H825XA/XRM825XA/XRM825SA | |
| | Model Name Check | M N R D | _ _ _ 1 | XR-H825XA/XR-M825XA/XR-M825SA | |
| | Projector Name Setting 1 (First 4 characters) *1 | P J N 1 | * * * * | OK or ERR | |
| | Projector Name Setting 2 (Middle 4 characters) *1 | P J N 2 | * * * * | OK or ERR | |
| | Projector Name Setting 3 (Last 4 characters) *1 | P J N 3 | * * * * | OK or ERR | |
| | Projector Name Check | P J N 0 | _ _ _ 1 | Projector Name | |
| | | | | | |
| Input Change | Computer | I R G B | _ _ _ 1 | OK or ERR | ERR |
| | DVI | I R G B | _ _ _ 2 | OK or ERR | ERR |
| | DVI-D-Computer select *2 | I B D S | _ _ _ 1 | OK or ERR | ERR |
| | DVI-D-Video select *2 | I B D S | _ _ _ 2 | OK or ERR | ERR |
| | DVI-Analog select *2 | I B D S | _ _ _ 3 | OK or ERR | ERR |
| | S-Video | I V E D | _ _ _ 1 | OK or ERR | ERR |
| | Video | I V E D | _ _ _ 2 | OK or ERR | ERR |
| | Input RGB Check | I R G B | ? ? ? ? | 1:Computer, 2:DVI(XR-H325XA only) or ERR | ERR |
| | Input Video Check | I V E D | ? ? ? ? | 1: S-Video, 2: Video or ERR | ERR |
| | Input Mode Check | I M O D | ? ? ? ? | 1: RGB, 2: Video | ERR |
| | Input Check | I C H K | ? ? ? ? | 1: Computer 2: DVI (XR-H325XA only) 3: S-Video 4: Video | ERR |
| | | | | | |
| | | | | | |
| Volume | Volume(0 – 60) | V O L A | _ _ _ * | OK or ERR | ERR |
| | Volume up/down(-10 – +10) | V O U D | _ _ _ * | OK or ERR | ERR |
| Keystone | +80 – +80 (XGA)/-40 – +40 (SVGA) | K E Y S | * * * * | OK or ERR | ERR |
| AV Mute | On | I M B K | _ _ _ 1 | OK or ERR | ERR |
| | Off | I M B K | _ _ _ 0 | OK or ERR | ERR |
| Freeze | On | F R E Z | _ _ _ 1 | OK or ERR | ERR |
| | Off | F R E Z | _ _ _ 0 | OK or ERR | ERR |
| Auto Sync | Start | A D J S | _ _ _ 1 | OK or ERR | ERR |
| Resize | Computer | R A S R | _ _ _ 1 | OK or ERR | ERR |
| | | R A S R | _ _ _ 2 | OK or ERR | ERR |
| | | R A S R | _ _ _ 3 | OK or ERR | ERR |
| | | R A S R | _ _ _ 5 | OK or ERR | ERR |
| | | R A S R | _ _ _ 6 | OK or ERR | ERR |
| | | R A S R | _ _ _ 1 | 0 OK or ERR | ERR |
| | | R A S R | _ _ _ 1 | OK or ERR | ERR |
| | | R A S R | _ _ _ 1 | OK or ERR | ERR |
| | DVI | R B S R | _ _ _ 1 | OK or ERR | ERR |
| | | R B S R | _ _ _ 2 | OK or ERR | ERR |
| | | R B S R | _ _ _ 3 | OK or ERR | ERR |
| | | R B S R | _ _ _ 5 | OK or ERR | ERR |
| | | R B S R | _ _ _ 6 | OK or ERR | ERR |
| | | R B S R | _ _ _ 1 | 0 OK or ERR | ERR |
| | | R B S R | _ _ _ 1 | OK or ERR | ERR |
| | | R B S R | _ _ _ 1 | OK or ERR | ERR |

is only for XR-H825XA.

| CONTROL CONTENTS | | | COMMAND | PARAMETER | RETURN | | | |
|------------------|---------------|----------------|--------------|-----------|-----------|---|-----------|-----|
| | | | | | Power ON | Standby mode (or 30-second startup time) | | |
| Resize | S-Video | Normal | R A S V | -- -- 1 | OK or ERR | ERR | | |
| | | Stretch | R A S V | -- -- 2 | OK or ERR | ERR | | |
| | | Border | R A S V | -- -- 3 | OK or ERR | ERR | | |
| | | Area Zoom | R A S V | -- 1 0 | OK or ERR | ERR | | |
| | | V-Stretch | R A S V | -- 1 1 | OK or ERR | ERR | | |
| | Video | Normal | R B S V | -- -- 1 | OK or ERR | ERR | | |
| | | Stretch | R B S V | -- -- 2 | OK or ERR | ERR | | |
| | | Border | R B S V | -- -- 3 | OK or ERR | ERR | | |
| | | Area Zoom | R B S V | -- 1 0 | OK or ERR | ERR | | |
| | | V-Stretch | R B S V | -- 1 1 | OK or ERR | ERR | | |
| ALL Reset | | | A L R E | -- -- 1 | OK or ERR | ERR | | |
| Computer INPUT | Picture Mode | Standard | R A P S | -- -- 1 0 | OK or ERR | ERR | | |
| | | Presentation | R A P S | -- -- 1 1 | OK or ERR | ERR | | |
| | | Movie | R A P S | -- -- 1 2 | OK or ERR | ERR | | |
| | | Game | R A P S | -- -- 1 3 | OK or ERR | ERR | | |
| | | sRGB | R A P S | -- 1 4 | OK or ERR | ERR | | |
| | | Contrast | -30 ~ +30 | R A P I | -- * * * | OK or ERR | ERR | |
| | Bright | -30 ~ +30 | R A B R | -- * * * | OK or ERR | ERR | | |
| | Red | -30 ~ +30 | R A R D | -- * * * | OK or ERR | ERR | | |
| | Blue | -30 ~ +30 | R A B E | -- * * * | OK or ERR | ERR | | |
| | Color | -30 ~ +30 | R A C O | -- * * * | OK or ERR | ERR | | |
| | Tint | -30 ~ +30 | R A T I | -- * * * | OK or ERR | ERR | | |
| | Sharp | -30 ~ +30 | R A S H | -- * * * | OK or ERR | ERR | | |
| | CLR Temp | -1 ~ +1 | R A C T | -- * * | OK or ERR | ERR | | |
| | Bright Boost | 0 ~ +2 | R A W E | -- -- * | OK or ERR | ERR | | |
| | Progressive | 2D Progressive | R A I P | -- -- 0 | OK or ERR | ERR | | |
| | | 3D Progressive | R A I P | -- -- 1 | OK or ERR | ERR | | |
| | | Film Mode | R A I P | -- -- 2 | OK or ERR | ERR | | |
| | DNR | Off | R A N R | -- -- 0 | OK or ERR | ERR | | |
| | | Level 1 | R A N R | -- -- 1 | OK or ERR | ERR | | |
| | | Level 2 | R A N R | -- -- 2 | OK or ERR | ERR | | |
| | Picture Reset | | R A R E | -- -- 1 | OK or ERR | ERR | | |
| | Signal Type | Auto | I A S I | -- -- 0 | OK or ERR | ERR | | |
| | | RGB | I A S I | -- -- 1 | OK or ERR | ERR | | |
| | | Component | I A S I | -- -- 2 | OK or ERR | ERR | | |
| | Audio Input | Audio 1 | R A A I | -- -- 1 | OK or ERR | ERR | | |
| | | Audio 2 | R A A I | -- -- 2 | OK or ERR | ERR | | |
| | DVI INPUT | Picture Mode | Standard | R B P S | -- -- 1 0 | OK or ERR | ERR | |
| | | | Presentation | R B P S | -- -- 1 1 | OK or ERR | ERR | |
| | | | Movie | R B P S | -- -- 1 2 | OK or ERR | ERR | |
| | | | Game | R B P S | -- -- 1 3 | OK or ERR | ERR | |
| | | | sRGB | R B P S | -- 1 4 | OK or ERR | ERR | |
| | | Contrast | -30 ~ +30 | R B P I | -- * * * | OK or ERR | ERR | |
| | | | Bright | -30 ~ +30 | R B B R | -- * * * | OK or ERR | ERR |
| | | | Red | -30 ~ +30 | R B R D | -- * * * | OK or ERR | ERR |
| Blue | | -30 ~ +30 | R B B E | -- * * * | OK or ERR | ERR | | |
| Color | | -30 ~ +30 | R B C O | -- * * * | OK or ERR | ERR | | |
| Tint | | -30 ~ +30 | R B T I | -- * * * | OK or ERR | ERR | | |
| Sharp | | -30 ~ +30 | R B S H | -- * * * | OK or ERR | ERR | | |
| CLR Temp | | -1 ~ +1 | R B C T | -- * * | OK or ERR | ERR | | |
| Bright Boost | | 0 ~ +2 | R B W E | -- -- * | OK or ERR | ERR | | |
| Progressive | | 2D Progressive | R B I P | -- -- 0 | OK or ERR | ERR | | |
| | | 3D Progressive | R B I P | -- -- 1 | OK or ERR | ERR | | |
| | | Film Mode | R B I P | -- -- 2 | OK or ERR | ERR | | |
| DNR | | Off | R B N R | -- -- 0 | OK or ERR | ERR | | |
| | | Level 1 | R B N R | -- -- 1 | OK or ERR | ERR | | |
| | | Level 2 | R B N R | -- -- 2 | OK or ERR | ERR | | |
| Picture Reset | | R B R E | -- -- 1 | OK or ERR | ERR | | | |
| Signal Type | | Auto | I B S I | -- -- 0 | OK or ERR | ERR | | |
| | | RGB | I B S I | -- -- 1 | OK or ERR | ERR | | |
| | | Component | I B S I | -- -- 2 | OK or ERR | ERR | | |
| Audio Input | | Audio 1 | R B A I | -- -- 1 | OK or ERR | ERR | | |
| | | Audio 2 | R B A I | -- -- 2 | OK or ERR | ERR | | |
| Dynamic Range | | Auto | H M B D | -- -- 0 | OK or ERR | ERR | | |
| | | Standard | H M B D | -- -- 1 | OK or ERR | ERR | | |
| | | Enhanced | H M B D | -- -- 2 | OK or ERR | ERR | | |

 is only for XR-H825XA.

RS-232C Specifications and Commands (Continued)

| CONTROL CONTENTS | | | COMMAND | PARAMETER | RETURN | |
|----------------------------|------------------|----------------|---------|-----------|-----------|---|
| | | | | | Power ON | Standby mode (or 30-second startup time) |
| S-Video INPUT | Picture Mode | Standard | V A P S | - 1 0 | OK or ERR | ERR |
| | | Presentation | V A P S | - 1 1 | OK or ERR | ERR |
| | Movie | Movie | V A P S | - 1 2 | OK or ERR | ERR |
| | | Game | V A P S | - 1 3 | OK or ERR | ERR |
| | Contrast | -30 ~ +30 | V A P I | - * * * | OK or ERR | ERR |
| | Bright | -30 ~ +30 | V A B R | - * * * | OK or ERR | ERR |
| | Red | -30 ~ +30 | V A R D | - * * * | OK or ERR | ERR |
| | Blue | -30 ~ +30 | V A B E | - * * * | OK or ERR | ERR |
| | Color | -30 ~ +30 | V A C O | - * * * | OK or ERR | ERR |
| | Tint | -30 ~ +30 | V A T I | - * * * | OK or ERR | ERR |
| | Sharp | -30 ~ +30 | V A S H | - * * * | OK or ERR | ERR |
| | CLR Temp | -1 ~ +1 | V A C T | - * * | OK or ERR | ERR |
| | Bright Boost | 0 ~ +2 | V A W E | - * * | OK or ERR | ERR |
| | Progressive | 2D Progressive | V A I P | - 0 | OK or ERR | ERR |
| | | 3D Progressive | V A I P | - 1 | OK or ERR | ERR |
| | | Film Mode | V A I P | - 2 | OK or ERR | ERR |
| | DNR | Off | V A N R | - 0 | OK or ERR | ERR |
| | | Level 1 | V A N R | - 1 | OK or ERR | ERR |
| | | Level 2 | V A N R | - 2 | OK or ERR | ERR |
| | Picture Reset | | V A R E | - 1 | OK or ERR | ERR |
| | Audio Input | Audio 1 | V A A I | - 1 | OK or ERR | ERR |
| | | Audio 2 | V A A I | - 2 | OK or ERR | ERR |
| Video INPUT | Picture Mode | Standard | V B P S | - 1 0 | OK or ERR | ERR |
| | | Presentation | V B P S | - 1 1 | OK or ERR | ERR |
| | Movie | Movie | V B P S | - 1 2 | OK or ERR | ERR |
| | | Game | V B P S | - 1 3 | OK or ERR | ERR |
| | Contrast | -30 ~ +30 | V B P I | - * * * | OK or ERR | ERR |
| | Bright | -30 ~ +30 | V B B R | - * * * | OK or ERR | ERR |
| | Red | -30 ~ +30 | V B R D | - * * * | OK or ERR | ERR |
| | Blue | -30 ~ +30 | V B B E | - * * * | OK or ERR | ERR |
| | Color | -30 ~ +30 | V B C O | - * * * | OK or ERR | ERR |
| | Tint | -30 ~ +30 | V B T I | - * * * | OK or ERR | ERR |
| | Sharp | -30 ~ +30 | V B S H | - * * * | OK or ERR | ERR |
| | CLR Temp | -1 ~ +1 | V B C T | - * * | OK or ERR | ERR |
| | Bright Boost | 0 ~ +2 | V B W E | - * * | OK or ERR | ERR |
| | Progressive | 2D Progressive | V B I P | - 0 | OK or ERR | ERR |
| | | 3D Progressive | V B I P | - 1 | OK or ERR | ERR |
| | | Film Mode | V B I P | - 2 | OK or ERR | ERR |
| | DNR | Off | V B N R | - 0 | OK or ERR | ERR |
| | | Level 1 | V B N R | - 1 | OK or ERR | ERR |
| | | Level 2 | V B N R | - 2 | OK or ERR | ERR |
| | Picture Reset | | V B R E | - 1 | OK or ERR | ERR |
| | Audio Input | Audio 1 | V B A I | - 1 | OK or ERR | ERR |
| | | Audio 2 | V B A I | - 2 | OK or ERR | ERR |
| C.M.S. Setting | On | | C M C S | - 1 1 | OK or ERR | ERR |
| | Off | | C M C S | - 0 0 | OK or ERR | ERR |
| C.M.S. | Hue | Red | C M H R | - * * * | OK or ERR | ERR |
| | | Yellow | C M H Y | - * * * | OK or ERR | ERR |
| | | Green | C M H G | - * * * | OK or ERR | ERR |
| | | Cyan | C M H C | - * * * | OK or ERR | ERR |
| | | Blue | C M H B | - * * * | OK or ERR | ERR |
| | | Magenta | C M H M | - * * * | OK or ERR | ERR |
| | | Reset | C M R E | - 2 | OK or ERR | ERR |
| | Saturation | Red | C M S R | - * * * | OK or ERR | ERR |
| | | Yellow | C M S Y | - * * * | OK or ERR | ERR |
| | | Green | C M S G | - * * * | OK or ERR | ERR |
| | | Cyan | C M S C | - * * * | OK or ERR | ERR |
| | | Blue | C M S B | - * * * | OK or ERR | ERR |
| | | Magenta | C M S M | - * * * | OK or ERR | ERR |
| | | Reset | C M R E | - 3 | OK or ERR | ERR |
| | Value | Red | C M V R | - * * * | OK or ERR | ERR |
| | | Yellow | C M V Y | - * * * | OK or ERR | ERR |
| | | Green | C M V G | - * * * | OK or ERR | ERR |
| | | Cyan | C M V C | - * * * | OK or ERR | ERR |
| | | Blue | C M V B | - * * * | OK or ERR | ERR |
| | | Magenta | C M V M | - * * * | OK or ERR | ERR |
| | | Reset | C M R E | - 4 | OK or ERR | ERR |
| | C.M.S. All Reset | | C M R E | - 1 | OK or ERR | ERR |
| Clock | -150 ~ +150 | | I N C L | - * * * | OK or ERR | ERR |
| Phase | -30 ~ +30 | | I N P H | - * * * | OK or ERR | ERR |
| H-position | -150 ~ +150 | | I A H P | - * * * | OK or ERR | ERR |
| V-position | -60 ~ +60 | | I A V P | - * * * | OK or ERR | ERR |
| Fine Sync Adjustment Reset | | | I A R E | - 1 | OK or ERR | ERR |

is only for XR-H825XA.

| CONTROL CONTENTS | | COMMAND | PARAMETER | RETURN | |
|---------------------|----------------------------------|---------|-----------|-----------------|---|
| | | | | Power ON | Standby mode (or 30-second startup time) |
| Image Shift | -96 – +96 (XGA)/-75 – +75 (SVGA) | L N D S | -- * * | OK or ERR | ERR |
| OSD Display | On | I M D I | -- 1 | OK or ERR | ERR |
| | Off | I M D I | -- 0 | OK or ERR | ERR |
| Video System | Auto | M E S Y | -- 1 | OK or ERR | ERR |
| | PAL | M E S Y | -- 2 | OK or ERR | ERR |
| | SECAM | M E S Y | -- 3 | OK or ERR | ERR |
| | NTSC4.43 | M E S Y | -- 4 | OK or ERR | ERR |
| | NTSC3.58 | M E S Y | -- 5 | OK or ERR | ERR |
| | PAL-M | M E S Y | -- 6 | OK or ERR | ERR |
| | PAL-N | M E S Y | -- 7 | OK or ERR | ERR |
| | PAL-60 | M E S Y | -- 8 | OK or ERR | ERR |
| Background | Logo | I M B G | -- 1 | OK or ERR | ERR |
| | Blue | I M B G | -- 3 | OK or ERR | ERR |
| | None | I M B G | -- 4 | OK or ERR | ERR |
| Lamp Setting | Bright | T H M D | -- 0 | OK or ERR | ERR |
| | Eco + Quiet | T H M D | -- 1 | OK or ERR | ERR |
| Auto Sync | On | A A D J | -- 1 | OK or ERR | ERR |
| | Off | A A D J | -- 0 | OK or ERR | ERR |
| Auto Power Off | On | A P O W | -- 1 | OK or ERR | ERR |
| | Off | A P O W | -- 0 | OK or ERR | ERR |
| Auto Restart | On | A R E S | -- 1 | OK or ERR | ERR |
| | Off | A R E S | -- 0 | OK or ERR | ERR |
| STANDBY Mode | Standard | M O U T | -- 1 | OK or ERR | ERR |
| | Eco | M O U T | -- 0 | OK or ERR | ERR |
| PRJ Mode | Reverse | I M R E | -- 1 | OK or ERR | ERR |
| | | | | | |
| | Invert | I M I N | -- 1 | OK or ERR | ERR |
| | | | | | |
| Language | English | M E L A | -- 1 | OK or ERR | ERR |
| | Deutsch | M E L A | -- 2 | OK or ERR | ERR |
| | Español | M E L A | -- 3 | OK or ERR | ERR |
| | Nederlands | M E L A | -- 4 | OK or ERR | ERR |
| | Français | M E L A | -- 5 | OK or ERR | ERR |
| | Italiano | M E L A | -- 6 | OK or ERR | ERR |
| | Svenska | M E L A | -- 7 | OK or ERR | ERR |
| | 日本語 | M E L A | -- 8 | OK or ERR | ERR |
| | Português | M E L A | -- 9 | OK or ERR | ERR |
| | 汉语 | M E L A | -- 10 | OK or ERR | ERR |
| | 한국어 | M E L A | -- 11 | OK or ERR | ERR |
| | Русский | M E L A | -- 12 | OK or ERR | ERR |
| | عربي | M E L A | -- 13 | OK or ERR | ERR |
| | polski | M E L A | -- 14 | OK or ERR | ERR |
| | Türkçe | M E L A | -- 15 | OK or ERR | ERR |
| | فارسی | M E L A | -- 16 | OK or ERR | ERR |
| | Magyer | M E L A | -- 17 | OK or ERR | ERR |
| Setup Guide | On | S E G U | -- 1 | OK or ERR | ERR |
| | Off | S E G U | -- 0 | OK or ERR | ERR |
| System Sound | On | S S N D | -- 1 | OK or ERR | ERR |
| | Off | S S N D | -- 0 | OK or ERR | ERR |
| Internal Speaker | On | A S P K | -- 1 | OK or ERR | ERR |
| | Off | A S P K | -- 0 | OK or ERR | ERR |
| RGB Frequency | Horizontal | T F R Q | -- 1 | kHz(*** or ERR) | ERR |
| | Vertical | T F R Q | -- 2 | Hz(*** or ERR) | ERR |
| Fan Mode | Normal | H L M D | -- 0 | OK or ERR | ERR |
| | High | H L M D | -- 1 | OK or ERR | ERR |
| Lamp Timer Reset *3 | | L P R E | 0 0 0 1 | ERR | OK or ERR |

Computer Compatibility Chart

Computer

- Multiple signal support
- Horizontal Frequency: 15-110 kHz,
- Vertical Frequency: 45-85 Hz,

- Pixel Clock: 12-170 MHz
- Sync signal: Compatible with TTL level
- Compatible with sync on green signal

The following is a list of modes that conform to VESA. However, this projector supports other signals that are not VESA standards.

| PC/MAC | Resolution | | Horizontal Frequency (kHz) | Vertical Frequency (Hz) | VESA Standard | * DVI-D Support | Display | |
|---------|------------|-------------|----------------------------|-------------------------|---------------|-----------------|-------------------------|-------------------------|
| | | | | | | | XR-H825XA XR-M825XA | XR-H825SA |
| PC | VGA | 640 × 350 | 27.0 | 60 | | | Upscale | Upscale |
| | | | 31.5 | 70 | | | | |
| | | | 37.5 | 85 | ✓ | | | |
| | | 640 × 400 | 27.0 | 60 | | | | |
| | | | 31.5 | 70 | | ✓ | | |
| | | | 37.9 | 85 | ✓ | | | |
| | | 720 × 350 | 27.0 | 60 | | | | |
| | | | 31.5 | 70 | | | | |
| | | | 37.9 | 85 | ✓ | | | |
| | | 720 × 400 | 27.0 | 60 | | | Upscale | Upscale |
| | | | 31.5 | 70 | | | | |
| | | | 37.9 | 85 | ✓ | | | |
| | | | 28.2 | 50 | | | | |
| | | | 31.5 | 60 | ✓ | | | |
| | | | 34.7 | 70 | ✓ | | | |
| | SVGA | 800 × 600 | 37.9 | 72 | ✓ | | True | True |
| | | | 37.5 | 75 | ✓ | | | |
| | | | 43.3 | 85 | ✓ | | | |
| | | | 31.4 | 50 | | | | |
| | | | 35.2 | 56 | ✓ | | | |
| | | | 37.9 | 60 | ✓ | | | |
| | | | 46.6 | 70 | ✓ | | | |
| | | | 48 | 72 | ✓ | | | |
| | | | 48.9 | 75 | ✓ | | | |
| | | | 53.7 | 85 | ✓ | | | |
| | XGA | 1024 × 768 | 40.3 | 50 | | ✓ | True | True |
| | | | 48.4 | 60 | ✓ | | | |
| | | | 56.5 | 70 | ✓ | | | |
| | | | 60.0 | 75 | ✓ | | | |
| | | | 68.7 | 85 | ✓ | | | |
| | | | | | | | | |
| | WXGA | 1280 × 720 | 45.0 | 60 | | | Intelligent Compression | Intelligent Compression |
| | | | 47.8 | 60 | ✓ | | | |
| | | | 49.7 | 60 | ✓ | | | |
| | | | 1280 × 800 | 62.8 | 75 | ✓ | | |
| | | | 1360 × 768 | 47.7 | 60 | ✓ | | |
| | | | 1366 × 768 | 47.8 | 60 | | | |
| | SXGA | 1152 × 864 | 55.0 | 60 | | | Intelligent Compression | Intelligent Compression |
| | | | 66.2 | 70 | | | | |
| | | | 67.5 | 75 | | | | |
| | | | 1280 × 1024 | 64.0 | 60 | ✓ | | |
| | | | 1280 × 1024 | 80.0 | 75 | ✓ | | |
| | | | | | | | | |
| | SXGA+ | 1400 × 1050 | 64.0 | 60 | | | Upscale | Upscale |
| | | | 65.3 | 60 | ✓ | | | |
| | UXGA | 1600 × 1200 | 75.0 | 60 | ✓ | | True | Intelligent Compression |
| | VGA | 640 × 480 | 34.9 | 67 | | | | |
| MAC 13" | SVGA | 832 × 624 | 49.7 | 75 | | | Upscale | Upscale |
| MAC 16" | VGA | 640 × 480 | 34.9 | 67 | | | | |
| MAC 19" | XGA | 1024 × 768 | 60.2 | 75 | | | Intelligent Compression | Intelligent Compression |
| MAC 21" | SXGA | 1152 × 870 | 68.7 | 75 | | | | |

* XR-H825XA only

Note




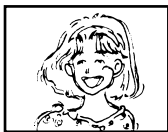
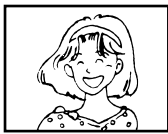
- When this projector receives 640×350 VESA format VGA signals, "640 × 400" appears on the screen.
- Optimum image quality will be achieved by matching your computer's output resolution to the resolution that corresponds to "True" in the "Display" column shown above.
- When "Screen resolution" of the computer is different from the resolution displayed on the projected image, follow the procedures shown below.
 - Refer to "Select the resolution" for "Data image is not centered" on the Help menu and select the same resolution as the resolution in "Screen resolution" of the computer.
 - Depending on the computer you are using, the output signal may not be faithful to the "Screen resolution" adjustment. Check the settings of the computer's signal output. If the settings cannot be changed, it is recommended that the resolution be set to the one that corresponds to "True" in the "Display" column.

DTV

| Signal | Horizontal Frequency (kHz) | Vertical Frequency (Hz) | * DVI-D Support (Compatible with HDCP) | Signal | Horizontal Frequency (kHz) | Vertical Frequency (Hz) | * DVI-D Support (Compatible with HDCP) |
|--------|----------------------------|-------------------------|--|--------|----------------------------|-------------------------|--|
| 480I | 15.7 | 60 | | 720P | 45.0 | 60 | ✓ |
| 480P | 31.5 | 60 | ✓ | 1035I | 33.8 | 60 | ✓ |
| 540P | 33.8 | 60 | | 1080I | 28.1 | 50 | ✓ |
| 576I | 15.6 | 50 | | 1080I | 33.8 | 60 | ✓ |
| 576P | 31.3 | 50 | ✓ | 1080P | 56.3 | 50 | ✓ |
| 720P | 37.5 | 50 | ✓ | 1080P | 67.5 | 60 | ✓ |

* XR-H825XA only

Troubleshooting

| Problem | Check | Page |
|--|---|----------|
|  <p>No picture and no sound or projector does not start.</p> | <ul style="list-style-type: none"> Projector power cord is not plugged into the wall outlet. | 24 |
| | <ul style="list-style-type: none"> Power to the external connected devices is off. | — |
| | <ul style="list-style-type: none"> The selected input mode is wrong. | 29 |
| | <ul style="list-style-type: none"> Cables are incorrectly connected to the projector. | 21–24 |
| | <ul style="list-style-type: none"> Remote control battery has run out. | 14 |
| | <ul style="list-style-type: none"> External output has not been set when connecting notebook computer. | 21 |
| | <ul style="list-style-type: none"> The lamp unit cover is not installed correctly. | 53, 54 |
|  <p>Sound is heard but no picture appears (or picture is dark).</p> | <ul style="list-style-type: none"> XR-32X only: If the connected DVI digital equipment is turned on before the “DVI-D” input mode is selected on the projector, the image may not be projected properly or may not be displayed at all. Ensure that the appropriate input mode has been selected on the projector before you turn on the connected equipment. | 21 |
| | <ul style="list-style-type: none"> Cables are incorrectly connected to the projector. | 21–24 |
| | <ul style="list-style-type: none"> “Bright” is set to minimum position. | 41 |
|  <p>Color is faded or poor.</p> | <ul style="list-style-type: none"> Image adjustments are incorrectly set. Make adjustments of “Color” and “Tint” in “Picture Mode” and lower the “Bright Boost” value. | 41 |
| | (Video Input only) <ul style="list-style-type: none"> Video input system is incorrectly set. | 48 |
|  <p>Picture is blurred; noise appears.</p> | <ul style="list-style-type: none"> Adjust the focus. | 26 |
| | <ul style="list-style-type: none"> The projection distance exceeds the focus range. | 20 |
| | <ul style="list-style-type: none"> There is fog on the lens. If the projector is carried from a cold room into a warm room, or if it is suddenly heated, condensation may form on the surface of the lens and the image will become blurred. Set up the projector at least one hour before it is to be used. If condensation should form, remove the power cord from the wall outlet and wait for it to clear. | — |
| | (Computer Input only) <ul style="list-style-type: none"> Perform “Fine Sync” Adjustments (“Clock” Adjustment) Perform “Fine Sync” Adjustments (“Phase” Adjustment) | 48 48 |
| | <ul style="list-style-type: none"> Noise may appear depending on the computer. | — |
|  <p>Picture appears but no sound is heard.</p> | <ul style="list-style-type: none"> Cables are incorrectly connected to the projector. | 21–24 |
| | <ul style="list-style-type: none"> Volume is set to minimum. When the projector is connected to an external device and the volume is set to minimum, the sound is not output even if you turn up the volume of the external device. | 29 |
| | <ul style="list-style-type: none"> “Speaker” is set to “Off”. | 45 |
| <p>Data image is not centered.</p> | <ul style="list-style-type: none"> Select “Data image is not centered” in the “Help” menu and make the necessary adjustments. | 48 |
| | <ul style="list-style-type: none"> Depending on the computer you are using, the output resolution signal may be different from the one you have set. For details, refer to the operation manual of the computer. | — |

Troubleshooting (Continued)

| Problem | Check | Page |
|--|---|--------------------|
| An unusual sound is occasionally heard from the cabinet. | <ul style="list-style-type: none"> If the picture is normal, the sound is due to cabinet shrinkage caused by room temperature changes. This will not affect operation or performance. | – |
| Maintenance indicator on the projector illuminates or blinks in red. | <ul style="list-style-type: none"> See "Maintenance Indicators". | 50 |
| The projector cannot be turned on or put into the standby mode using STANDBY/ON on the projector. | <ul style="list-style-type: none"> The keylock is set. If the keylock is set to "ON", all the buttons are locked. | 47 |
| Picture is green on COMPUTER (Component)/ *DVI (Component). | <ul style="list-style-type: none"> Change the input signal type setting. When you cannot select an input signal type, select "Color is faded or poor" in the "Help" menu, after selecting an item other than "sRGB" in "Picture Mode", and then select an input signal type. | 48 40, 48 |
| Picture is pink (no green) on COMPUTER (RGB)/ *DVI (RGB). | | |
| Picture is too bright and whitish. | <ul style="list-style-type: none"> Image adjustments are incorrectly set. | 41 |
| The cooling fan becomes noisy. | <ul style="list-style-type: none"> When temperature inside the projector increases, the cooling fan runs faster. | 8, 9 49, 50, 51 |
| The lamp does not light up even after the projector turns on. | <ul style="list-style-type: none"> The lamp indicator is illuminating in red. Replace the lamp. | 50, 53 |
| The lamp suddenly turns off during projection. | | |
| The image sometimes flickers. | <ul style="list-style-type: none"> Cables are incorrectly connected to the projector or the connected equipment works improperly. Select "Vertical stripes or flickering image appear" in the "Help" menu and make the necessary adjustments. If this happens frequently, replace the lamp. | 21–24 48 53 |
| The lamp needs much time to turn on. | <ul style="list-style-type: none"> The lamp will eventually need to be changed. While the remaining lamp life draws to a close, replace the lamp. | 53 |
| Picture is dark. | | |
| The remote control cannot be used. | <ul style="list-style-type: none"> Operate the remote control while pointing it at the projector's remote control sensor. The remote control may be too far away from the projector. If direct sunlight or a strong fluorescent lamp is shining on the projector's remote control sensor, place the projector where it will not be affected by strong light. | 15 |
| | <ul style="list-style-type: none"> The batteries may be depleted or inserted incorrectly. Make sure the batteries are inserted correctly or insert new ones. | 14 |

* XR-H825XA only

This unit is equipped with a microprocessor. Its performance could be adversely affected by incorrect operation or interference. If this should happen, unplug the Unit and plug it in again after more than 5 minutes.



For SHARP Assistance

If you encounter any problems during setup or operation of this projector, first refer to the “Troubleshooting” section on pages 63 and 64. If this operation manual does not answer your question, please contact the SHARP Service departments listed below.

China Sharp Electronics Sales (China) Co.,Ltd.

800-988-1818

<http://www.sharp.cn>

Specifications

| | | | | |
|-----------------------------|-----------------------------------|---------------------------------|-----------|-----------------|
| Model | | XR-H825XA | XR-M825XA | XR-H825SA |
| Display device | | 0.55" DLP chip | | |
| Resolution | | XGA(1024 x 768) | | SVGA(800 x 600) |
| Lens | F number | F2.5 - 2.6 | | |
| | Zoom | Manual, x 1.15(f=20.4 - 23.5mm) | | |
| | Focus | Manual | | |
| Input terminal | DVI-D(Compatible with HDCP) | x 1 | — | — |
| | RGB/Component (mini D-sub 15 pin) | x 1 | | |
| | S-Video (mini DIN 4 pin) | x 1 | | |
| | Video (RCA) | x 1 | | |
| | Audio (ø 3.5 mm stereo minijack) | x 1 | — | — |
| | Audio (RCA) | x 1(L/R) | | |
| Output terminal | RGB/Component (mini D-sub 15 pin) | x 1 | | |
| | Audio (ø 3.5 mm stereo minijack) | x 1(variable audio output) | | — |
| Control, others | USB (Type B) | x 1 | | |
| | RS-232C (mini DIN 9 pin) | x 1 | | |
| Brightness | | 2500Lm* | | |
| Contrast | | 2200:1* | | 2000:1* |
| Speaker | | 2W (Mono) | | |
| Projection lamp | | 200W | | |
| Rated voltage | | AC 100-240V | | |
| Rated frequency | | 50/60Hz | | |
| Input current | | 2.9A | | |
| Power consumption (Standby) | | 267W(2.9W) with AC 100V | | |
| | | 259W(3.4W) with AC 240V | | |
| Operation temperature | | +5°C to +35°C | | |
| Cabinet | | Plastic | | |
| Dimensions (main body only) | | 270(W) x 89(H) x 265(D)mm | | |
| Weight (approx.) | | 2.9Kg | | |

Note:

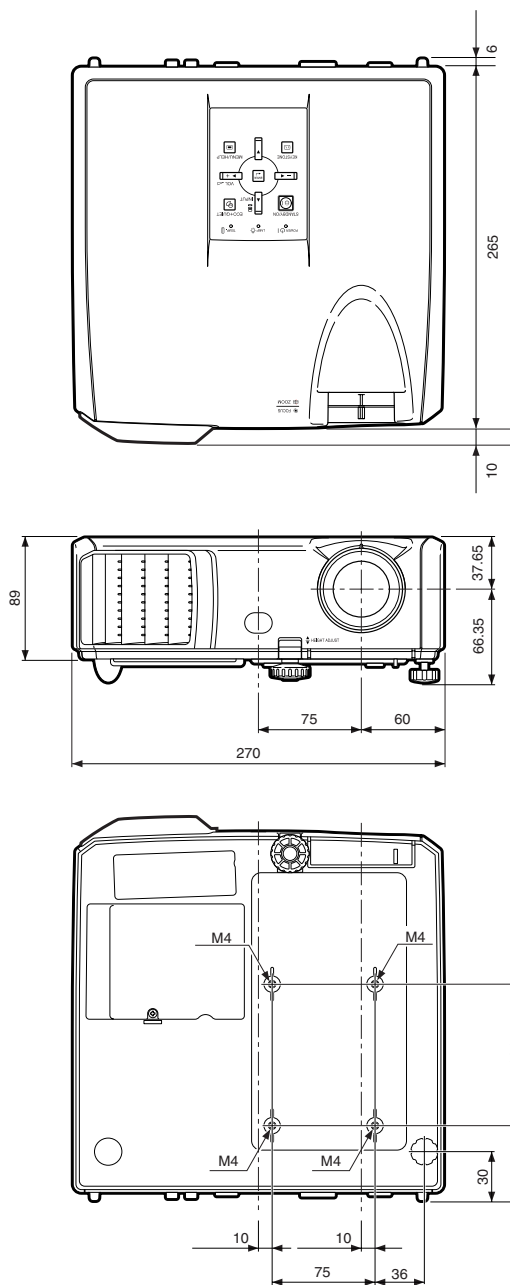
*) ISO21118 conformed: Above values are the average figures of mass-production. The minimum value when the product is shipped out from the factory is 80% of the above values. Brightness is 2000Lm.

As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.



Dimensions

Units: mm



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TINS-D616WJZZ