Product Introduction, *RN6*

RoyalTek

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Topics

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Product Brief

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PND   RN6

⬆ Navigation

Key Features

- GPS navigation
- TMC
- Bluetooth 2.0
- Remain UART Interface for Speed Camera Application
- Ultra Slim, Thickness in 12.6mm

Key HW Spec.

- **Processor**
  - MTK ARM11 @ 467MHz
- **Memory Configuration**
  - 64MB mobile DDR
  - 1GB or 2GB on Board Flash
- **Display**
  - 5.0" TFT-LCD w/ Touch Panel
  - WQVGA 480x272
- **GPS**
  - MTK GPS Solution
- **TMC**
  - RTA -3000, Optional Accessory
- **Bluetooth**
  - BT2.0EDR
- **MISC:**
  - micro SD Card Slot
  - (up to 8GB micro SD Card)
  - mini USB B-type
  - (2.0 High Speed)

Key SW Spec.

- OS: Windows CE 5.0
- Car Navigation Application
- Bluetooth Profiles for HFP, DUN, SPP, Call Log, Phonebook Download, Dial Pad

Power System

- Battery Li-polymer, 1250mAh
- Normal Usage 2.5 hrs
- Navigation 2 hrs

Dimension & Weight

- 128.9x85.2x12.6mm
- TBD

Smart Cradle Option
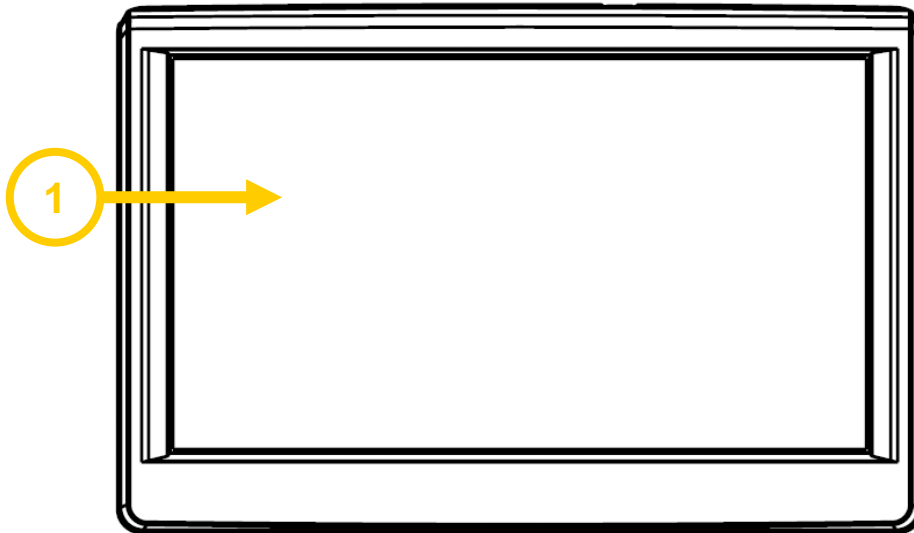
- Opt. 1, Power only
- Opt. 2, Video-in & Power
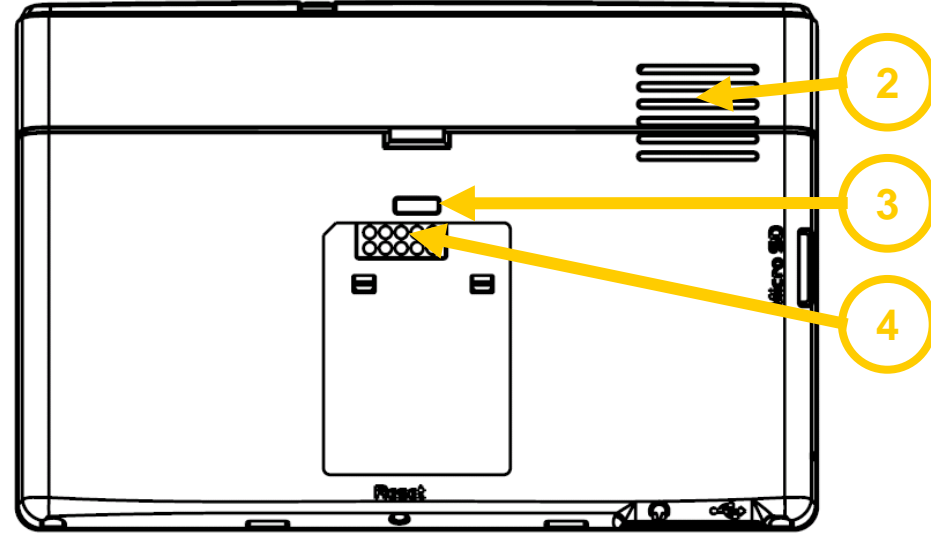
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RN6 Outline

System Tour (1/4)

Front and Rear Panels

Front Panel

Rear Panel

System Tour (2/4)

System Tour -- Front and Rear Panels			
No	**Icon**	**Component**	**Description**
1		Touch Screen	Displays the applications, data, and map images available on your device. It is touch sensitive and responds to finger taps.
2		Speaker	Emits system sounds.
3		Hook Point	Fixed Point for Cradle
4		Car Kit Connector	Connectors for connecting to Cradle for optional applications

System Tour (3/4)

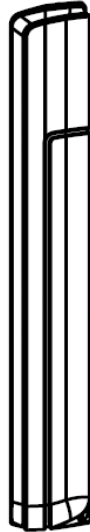## Top and Bottom Views

Top View
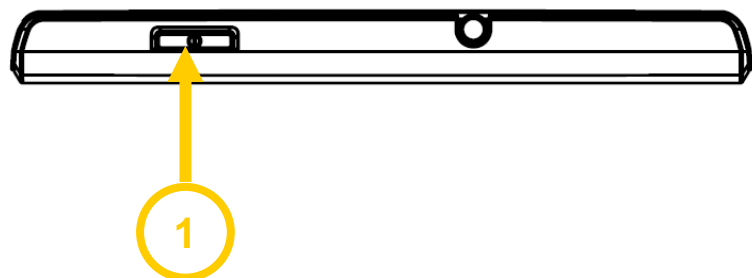
Bottom View
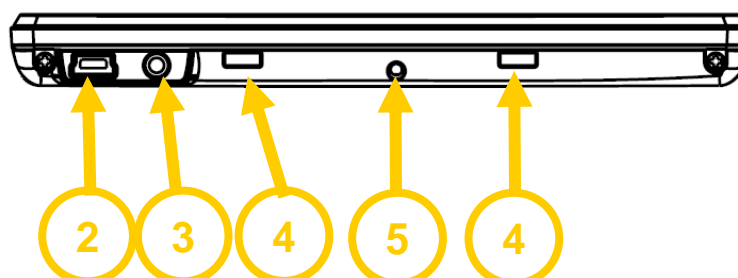
		System Tour – Top and Button Views	
No	**Icon**	**Component**	**Description**
1		Power Button	(Suspend/Wakeup) (ON/OFF) the device.
2		Mini USB Slot	Card Reader Mode / DC-in Power
3		Ear-Phone Jack	Jack Port for Ear Phone
4		Car Kit Hooks	Fixed Points for Car Kit.
5		Reset Button	Reset System

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System Tour (4/4)

Left Panel

Right Panel

1
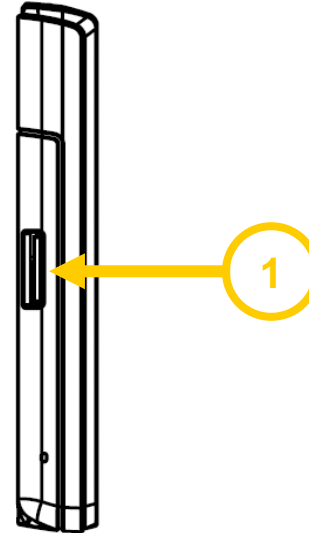
System Tour – Left and Right Panels

No	Icon	Component	Description
1		Micro-SD slot	Accepts micro-SD (Secure Digital) memory cards.

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Features (1/4)

Powerful System
- Microsoft Windows CE version 5.0 operating system
- MTK ARM11 processor @ 467MHz Clock Rate
- MTK latest high sensitivity GPS chipset and firmware solution
- Rechargeable 1250 mAh Li-polymer battery

Wide and Accurate GPS Coverage
- Intuitive and intelligent navigation software
- Integrated chip antenna for optimum satellites pick up

Mobile Design
- Compact dimension in 128.9x85.2x12.6mm
  and lightweight body, makes it easy for you to carry it anywhere
- Car mount kit for multi-vehicle usage
- On-the-road recharging options via the car charger

Battery Life
- Normal usage: 2.5 hours (Default Backlight)
- Navigation software usage: for more than 2 hours (Default Backlight)

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Features (2/4)

Ergonomic Features

- 5.0-inch WQVGA touch-sensitive LCD screen
- Simple, easy-to-use user interface with large icons and command buttons
- Multi-language user interface

Multimedia Program

- **Photo** for your favorite digital pictures
- Support for JPEG files
- Auto-scanning of supported files in the device's Micro SD card and Flash memory
- Three viewing modes: Thumbnail, Full Screen, and Slide Show

Music Player

- Enjoy your favorite **Music** on the road
- Support to **MP3** constant bit rate only (Sampling Rate: 8 - 48 kHz, Bit Rate: 8 - 320 kbps)
- Auto-scan supported files in the device's Micro SD card and Flash memory

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Features (3/4)

FM Transmitter

- Play MP3 files via your car audio/stereo
- Varied FM Frequency set by end users

Optional Application for Bluetooth

- **Hands-free**: Calling out through mobile phone, accepting incoming calls through touch screen and Auto-answer to pick up calls
- **Wireless Internet Connection** through phone GPRS/UMTS service
- **Serial Port Profile (SPP)**
- **Call Log:** incoming /outgoing call history
- To import **phonebooks** from the connected mobile phone
- **Dial Pad**: dial calls by through touch screen

Optional Application for Video Player

- Enjoy your favorite Video on the road
- Support WMV files
- Auto-scanning of supported files in the device's Micro SD card and Flash memory
- Three viewing modes: Browser mode, Normal mode, Play mode

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Features (3/4)

TMC Accessory, Option for Traffic Information Application
- **RTA-3000 TMC Accessory** for selected models

Smart Cradle Options
- Option 1, Power only
- Option 2, Video-in & Power

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System/Smart Cradle Definition

System Definition List	
Model	**Definition Description**
RN6	Basic Model, GPS only
Option Function	Basic Model plus Bluetooth application

Smart Cradle Option	
Option 1	Power Only
Option 2	Video-in & Power

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System Specification (1/4)

Hardware Features	
Aspect	**Description**
Processor	MTK ARM11 application processor
Display	5.0 inch screen for a wider viewing angle
GPS Chipset	Latest chipset and firmware solution
Memory	• 64 MB mobile DDR for system memory • **1GB** on board Flash memory (for operating system and embedded applications); Model with 2GB Flash memory is also available

Power	• High-density rechargeable 1250 mAh Li-polymer battery (4 hours charging time from empty to full capacity)
	• Recharging options
	  - Car charger
	  - USB cable

Audio	• 1 W built-in speaker • 2.5 mm stereo earphone jack
Connectivity	• Mini USB B-type (2.0 High Speed) • micro-SD slot (Supports up to 8GB HCSD)

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System Specification (2/4)

Design and Ergonomics (1/2)	
Aspect	**Description**
Compact and Lightweight	• Dimensions (L x W x H): 128.9x85.2x12.6mm • Weight: TBD

User-friendly interface	• Portable Navigator
	  -Touch sensitive screen
	• Car mount
	  - Windshield Mount
	  - Firm grip suction cup provides a steady vibration-free support
	• Software
	  - Multi-language user interface options
	  - System configuration based on individual user preferences

Design and Ergonomics (2/2)

Aspect	Description
Mobile Design	• Suction-based car mount facilitates multi-vehicle usage • Compact and lightweight body makes it easy for users to carry anywhere • On-the-road recharging via car charger • Simple, out-of-the-box operation: Mount, dock, and you're ready the go. No hassle with screws and cables.
Option Peripherals	• Smart Cradle • SD Card • USB cable • TMC Accessory

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System Specification (4/4)

Environmental Specifications	
Aspect	**Description**
Temperature	• Operating: 0°C to 55°C • Storage: -20°C to 70°C
Relative humidity (non-condensing)	• Operating: 20 % to 90 % RH • Non-operating: < 20 % RH and >90 % RH

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Sales Package

In Box, Accessories					
Device	RN6		USB Cable	Option	
Car charger	Yes		micro SD (Capacity Selectable)	Option	
Smart Cradle	Option		Colour Box	Yes	TBD
Car Mount	Yes		TMC Accessory	Option	