

# Product Introduction, *RN2*

 RoyalTek  
Lin Kuo, Taiwan

# Topics

---

- ***RN2* Introduction**

- Product Brief
- Outline
- System Tour
- Features
- System/Smart Cradle Definition
- System Specification
- Sales Package

# Product Brief

PND



Mar. '09

PND

RN2



Navigation

## Key Features

- GPS navigation
- TMC (by RTA-3000 Accessory, to be attached to Power Cradle)
- Bluetooth 2.0
- Ultra Slim, Thickness in 11.5mm

## Key HW Spec.

- Processor  
MTK ARM11 @ 468MHz
- Memory Configuration  
64MB mobile DDR  
1GB or 2GB on Board Flash
- Display  
4.3" TFT-LCD w/ Touch Panel  
WQVGA 480x272
- GPS  
MTK GPS Solution
- TMC  
RTA -3000, Optional Accessory
- Bluetooth  
for hands-free application
- 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
- Photo viewer

## Power System

- Battery Li-polymer, 520 mAh (option for 930 mAh)
- Normal Usage 2 hrs
- Navigation 1.5 hrs

## Dimension & Weight

- 117mm x 77.4mm x 11.5mm
- 130 g

## Smart Cradle Option

- Opt. 1, Basic Cradle, to fix to PND
- Opt. 2, Power Only
- Opt. 3, Video-in & Power

# RN2M Outline

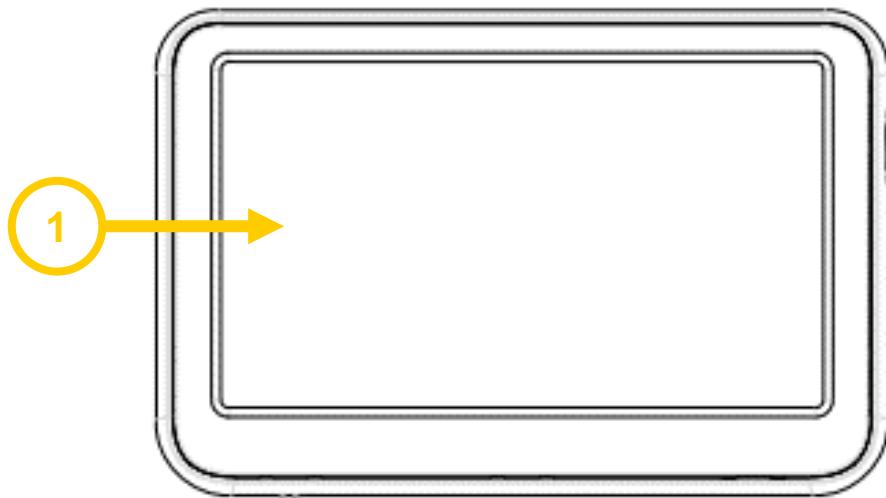
---



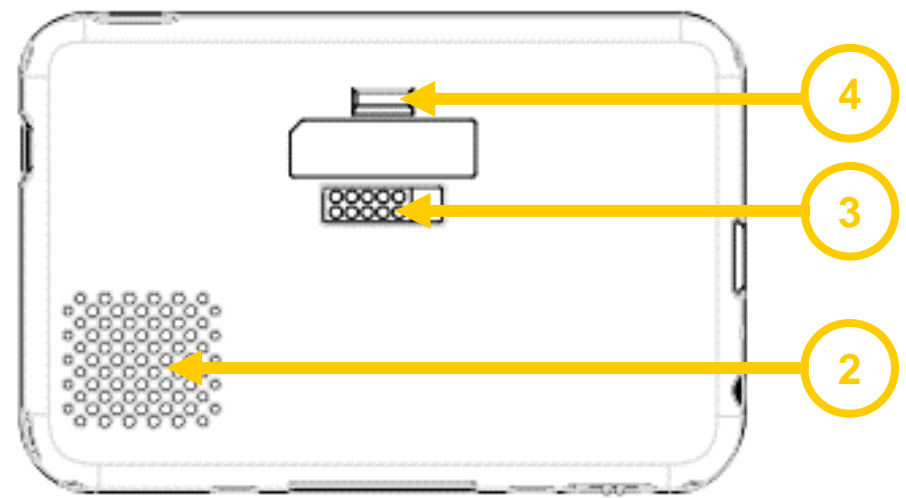
# System Tour (1/4)

## 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		Car Kit Connector	Connectors for connecting to Cradle for optional applications
4		Hook Point	Fixed Point for Cradle

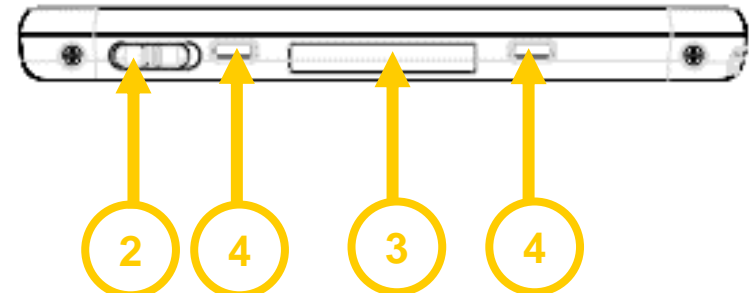
# System Tour (3/4)

## Top and Bottom Views

Top View



Bottom View

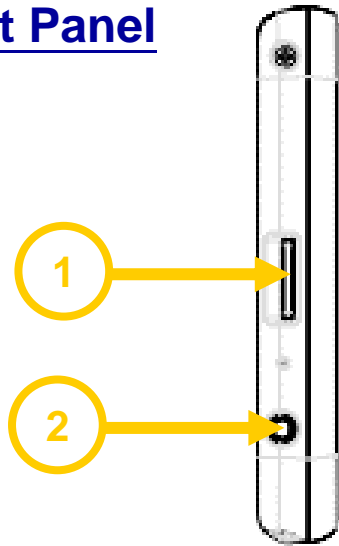


### System Tour – Top and Button Views

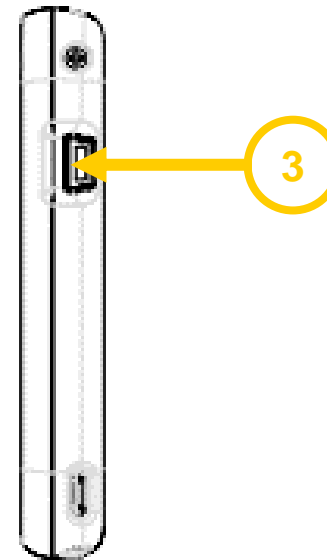
No	Icon	Component	Description
1		Power Switch	To turn <b>On/Off</b> the device.
2		Battery Switch	Switch <b>On/Off</b> for Battery Power.
3		Car Kit Connector	Connectors for connecting to Cradle for optional applications
4		Car Kit Hooks	Fixed Points for Car Kit.

# System Tour (4/4)

Left Panel



Right Panel



## System Tour – Left and Right Panels

No	Icon	Component	Description
1		Micro-SD slot	Accepts micro-SD (Secure Digital) memory cards.
2		Ear-Phone Jack	Jack Port for Ear Phone
3		USB Charging Port	USB Charging Port for Battery Charging



# Features (1/2)

---

## Powerful System

- Microsoft Windows CE version 5.0 operating system
- MTK ARM11 processor @ 468MHz Clock Rate
- MTK latest high sensitivity GPS chipset and firmware solution
- Rechargeable (1.) 520 mAh Li-polymer battery or (2.) 930 mAh Li-ion battery

## Wide and Accurate GPS Coverage

- Intuitive and intelligent navigation software
- Integrated chip antenna for optimum satellites pick up

## Mobile Design

- Compact dimension in 117 x 77.4 x **11.5mm (520 mAh battery) or 12.9mm (930mAh battery)** 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 hours (Default Backlight)
- Navigation software usage: for more than 1.5 hours (Default Backlight)

# Features (2/2)

---

## **Ergonomic Features**

- 4.3-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
- WMA & WMV

## **Optional Application for Bluetooth**

- **Bluetooth** for making and receiving phone calls in hands-free mode, DUN, SPP, Call Log, Dial Pad, Phonebook Download

## **TMC Accessory, Option for Traffic Information Application**

- **RTA-3000 TMC Accessory** for selected models

## **Smart Cradle Option**

- Option1, Basic cradle, to fix PND
- Option 2, Power only (with mini-USB Port for Optional TMC Accessory, RTA-3000)
- Option 3, Video-in & Power

# System/Smart Cradle Definition

## System Definition List

Model	Definition Description
RN2	Basic Model, GPS only
RN2b	Basic Model plus Bluetooth application

## Smart Cradle Option

Option 1	Basic Cradle, to fix to PND
Option 2	Power only (with mini-USB Port for Optional TMC Accessory, RTA-3000)
Option 3	Video-in & Power

# System Specification (1/4)

## Hardware Features

Aspect	Description
Processor	MTK ARM11 application processor
Display	4.3 inch screen for a wider viewing angle
GPS Chipset	Latest chipset and firmware solution
Memory	<ul style="list-style-type: none"><li>• 64 MB mobile DDR for system memory</li><li>• <b>1GB</b> onboard Flash memory ( for operating system and embedded applications ); Model with 2GB Flash memory is also available</li></ul>
Power	<ul style="list-style-type: none"><li>• High-density rechargeable 520 mAh Li-polymer battery (3hours charging time from empty to full capacity)</li><li>Or 930 mAh Li-ion battery</li><li>• Recharging options<ul style="list-style-type: none"><li>- Car charger</li><li>- USB cable</li></ul></li></ul>
Audio	<ul style="list-style-type: none"><li>• 1 W built-in speaker</li><li>• 2.5 mm stereo earphone jack</li></ul>
Connectivity	<ul style="list-style-type: none"><li>• Mini USB B-type (2.0 High Speed )</li><li>• micro-SD slot (Supports up to 8GB HCSD)</li></ul>

# System Specification (2/4)

## Design and Ergonomics (1/2)

Aspect	Description
<b>Compact and Lightweight</b>	<ul style="list-style-type: none"><li>• Dimensions (L x W x H): 117 x 77.4 x 11.5mm</li><li>• Weight: 130g</li></ul>
<b>User-friendly interface</b>	<ul style="list-style-type: none"><li>• Portable Navigator<ul style="list-style-type: none"><li>- Touch sensitive screen</li></ul></li><li>• Car mount<ul style="list-style-type: none"><li>- Windshield Mount</li><li>- Firm grip suction cup provides a steady vibration-free support</li></ul></li><li>• Software<ul style="list-style-type: none"><li>- Multi-language user interface options</li><li>- System configuration based on individual user preferences</li></ul></li></ul>

# System Specification (3/4)

## Design and Ergonomics (2/2)

Aspect	Description
Mobile Design	<ul style="list-style-type: none"><li>• Suction-based car mount facilitates multi-vehicle usage</li><li>• Compact and lightweight body makes it easy for users to carry anywhere</li><li>• On-the-road recharging via car charger</li><li>• Simple, out-of-the-box operation: Mount, dock, and you're ready to go. No hassle with screws and cables.</li></ul>
Option Peripherals	<ul style="list-style-type: none"><li>• Car mount</li><li>• Smart Cradle</li><li>• SD Card</li><li>• Car charger</li><li>• USB cable</li></ul>

# System Specification (4/4)

---

## Environmental Specifications

Aspect	Description
Temperature	<ul style="list-style-type: none"><li>• Operating: -0°C to 55°C</li><li>• Storage: -20°C to 70°C</li></ul>
Relative humidity (non-condensing )	<ul style="list-style-type: none"><li>• Operating: 20 % to 90 % RH</li><li>• Non-operating: &lt; 20 % RH and &gt;90 % RH</li></ul>

# Sales Package

In Box, Accessories					
Device	RN2		USB Cable	Option	
Car charger	Yes		micro SD (Capacity Selectable)	Option	
Smart Cradle	Option		Colour Box	Yes	TBD
Car Mount	Yes		TMC Accessory	Option	