



## **Mini Wireless Presenter (PC Card Size)**

### **User's Manual**

Be sure to carefully read this User's Manual first for the proper use of the Mini Wireless Presenter and keep it for future reference.

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**Model PP2400**

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#### IMPORTANT SAFETY AND HEALTH INFORMATION

<p><b>CAUTION</b></p> <p>LASER RADIATION-DO NOT STARE INTO BEAM</p> <hr/> <p> MAX OUTPUT:1mW WAVE LENGTH:650± 20nm CLASS II LASER PRODUCT.</p> <hr/> <p>This product complies with 21 CFR.</p>
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#### **WARNING! RISK OF INJURY!**

**Laser beam can cause permanent damage to eyes.** Do not look into the laser beam or shine the laser beam into your eyes, other peoples' eyes, or pet's eyes.

#### **WARNING! RISK OF INJURY!**

**Keep this device away from Children.** This is a working tool, not a toy or entertainment device. It should only be used by adults.

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## Chapter 1 Introduction

Thank you for choosing Raytac's Mini Wireless Presenter.

—“Enjoy Your Wireless Life With Raytac”

### ■ *What's the benefits*

#### □ Easily control the pace of your presentation

With Raytac's Mini Wireless Presenter, you don't need to stand beside your computer or have an additional person click the slide for you, nor do you need to aim at the receiver of the remote control.

#### □ Slim, compact and easy to carry

Raytac's Mini Wireless Presenter is a special design presentation tool, it's USB dongle is designed small enough to snap into the main body and fit the whole wireless presenter into the PC Card slot of your notebook PC.

#### □ Multi-function

Raytac's Mini Wireless Presenter is the mixed of RF wireless control of PowerPoint keyboard shortcuts and the laser point. The device enables the user to control presentation slides wirelessly up to 50 feet (15 meters) away indoors, while the laser pointer up to over 40 meters from the target.

#### □ Easy to use

Raytac's Mini Wireless Presenter is a USB plug-and-play device with no additional software required. The laser beam safety switch provides protection against unintentional laser beam into human eyes.

### ■ *Equipment Checklist*

Carefully unpack your Mini Wireless Presenter, and keep the packing materials for future reference. Check to make sure you have all the following items:

- |   |   |
|---|---|
| □ Mini Wireless Presenter (with USB receiver) | 1 |
| □ CR2032 battery                              | 1 |
| □ User's Manual                               | 1 |

## ■ *System Requirement*

It is recommended to install this wireless presenter under one of the following Operating Systems:

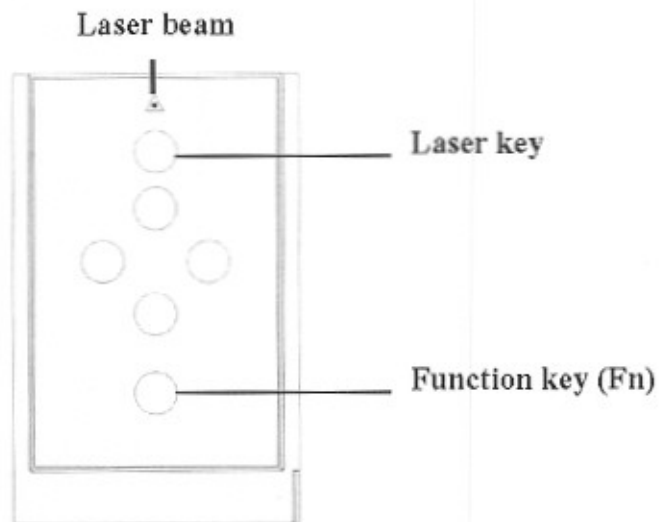
### **Operating Systems**

- Windows® 98 SE, ME, 2000, XP
- Mac® OS9.1 or later, Mac® OS X (10.1) or later
- The Mini Wireless Presenter interface with the computer hardware is through the USB dongle.

## Chapter 2 Product Features

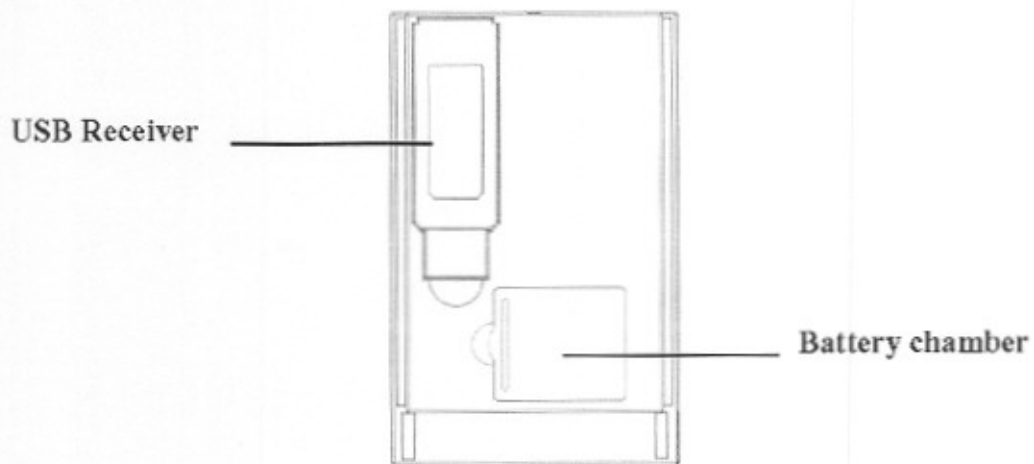
### ■ *Parts Description*

Figure 1



**Front View**

Figure 2



**Rear View**

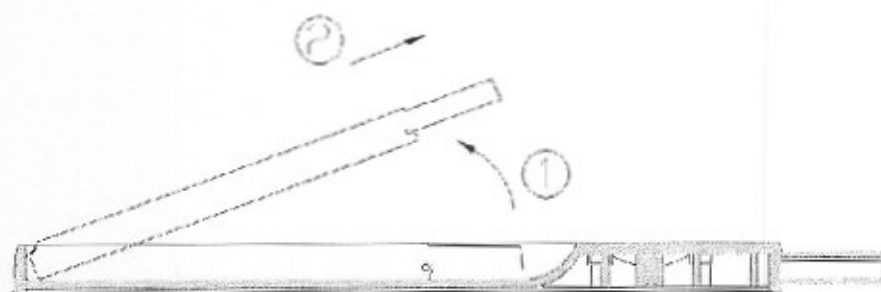
Figure 3



**USB Receiver**

■ *Take out the receiver*

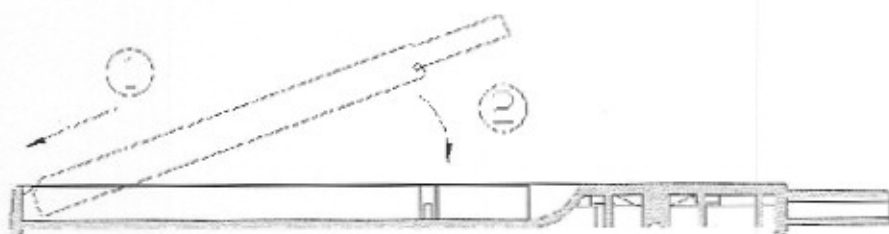
Figure 4



■ *Put back the receive*

Improper insertion may cause the receiver damage, please follow the instruction below to put back your receiver.

Figure 5



## Chapter 3 Getting Started

### ■ *Initial setup the Mini Wireless Presenter*

**Step 1:** Open the battery cover on the back and insert the battery.

#### **Notes on battery**

- Do not insert battery into the presenter in the wrong direction.
- Do not charge, heat, open, or short-circuit the battery.
- Do not leave dead or exhausted battery in the presenter.
- If you do not use the presenter for a long period of time, remove the battery to avoid possible damage from battery corrosion.
- If the presenter does not function correctly or if the operating range becomes reduced, try to replace the battery with new one.

**Step 2:** Take out the receiver on the back and plug it into an available USB port.

(Please refer to page 7)

You may encounter the following conditions with different Operating Systems:

- Windows® 98 SE/ME  
The system will prompt you to insert the operating system CD-ROM and the follow the instruction to install the software required.
- Window® 2000/XP  
The operation system identifies the receiver, prompts "USB Human Interface Device" and begins installation automatically. Please follow the instruction on the screen to complete the installation procedure.

**Note:** In case you have several remote devices working at the same time within the same rage, you need to tune up the ID with your own receiver. The following is the procedure.

- Press the link key on the receiver (connected to your computer now), and the LED light will be steady for tuning. (Refer to Page 6)
- Press Fn key and the Link key on the Presenter simultaneously for more than three seconds. The LED on the receiver will now start flashing to confirm that tuning is done. The Wireless Presenter is ready for use now.
- Whenever you change new battery, you are recommended to tune up the ID again.



## ■ Using the Mini Wireless Presenter

There are six keys on the Mini Wireless Presenter. The Fn key does not function except when used simultaneously with another key. The function of each key is described below.

- **Normal mode:** Function of each key when not used with the Fn key.

Keys marked in black	Function
Laser	Activate the laser point first by pressing and holding the Fn & Laser keys simultaneously over 3 seconds. (Warning: Never to point the laser beam to human or pets eyes during activating or de-activating process)
Slides	The same function as F5 on to activate the slide
ESC	The same function as ESC to stop the slide
Next	Advances to the next page
Prev.	Return to the previous page

- **Function mode:** Function of each key when used simultaneously with the Fn key.  
**Note:** The Fn key should be pressed before clicking the other key.

Keys marked in green	Function
Fn + On/Off	Switch the laser beam on or off
Fn + Black	Turn the projector beam to black screen
Fn + White	Turn the projector beam to white screen
Fn + Alt/Tab	Change presentation program/files
Fn + Link	Link the ID with the receiver

- Idling over 30 minutes, the laser key will be de-activated automatically.

## Chapter 4 Additional Information

### ■ *Specifications*

#### □ **System**

Model name: PP2400

Frequency range: 2400~2483MHz

(16 multi channels and 65535 ID channels)

Remote range: Approx. 50 feet (15 meters) indoors, 328 (100 meters) feet outdoors

Operating voltage: Remote control: 2.4V~3.3V, Laser: 2.6V~3.3V

Power: CR2032 battery \* 1

Very low power consumption: Normal operation <10mA

Laser operation < 30mA

Sleep < 10 $\mu$ A

Output power: Under 1mW

#### □ **Physical Dimensions**

Size: 86(l) x 54(w) x 5(h) millimeters

Weight: Approx. 23 grams (with the receiver and battery)

#### □ **Environmental Requirements**

Temperature:

Operating: 0°C (32°F)~60°C (140°F)

Non-operation: -10°C (14°F)~65°C (149°F)

Humidity(non-condensing):

Operating: 10%~85% RH

Non-operating: 10%~95% RH

□ Laser: Semiconductor laser(  $\lambda = 650$  nm), emission duration: continuous

□ Laser output power: Max. 0.95mW

**Note:** Design and specifications are subject to change without notice.

### ■ *Care and Maintenance*

- For cleaning, you are advised to use a soft, slightly moistened cloth.
- Avoid using solvents or abrasive substances.
- Do not open the presenter: for maintenance, consult qualified staff only.

## Appendix A Regulatory Compliance

### FCC Statement on Class B

**Note:** This equipment has been tested and found to comply with the limits for a CLASS B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generate, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or re-locate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

### 15.21

**Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

### RF Exposure:

**This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.**

Patent Pending

Thank you for using Raytac's Mini Wireless Presenter again.

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