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*X-pointer  
Green*

2.4GHz RF Wireless Green Laser Presenter

## **XPG200 USER MANUAL**



Chois Technology Co., Ltd.



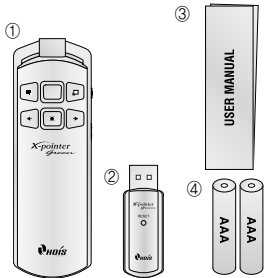
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## 1. Package Contents

XPG200 package contains a Transmitter, a Receiver, a Pouch, a User Manual and two 1.5V Type AAA Batteries.

Content	Q'ty
① Transmitter	1EA
② Receiver	1EA
③ User Manual	1EA
④ Battery	2EA



## 2. Features of the XPG200

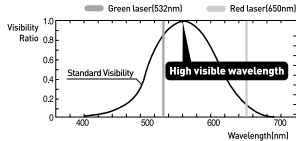
Superior ergonomic design allows user to comfortably take control of the PC and presentation. By using Radio instead of Infra-red communication, XPG200 offers greater range, reliability and freedom of movement. XPG200 Model with optical touch sensor mouse controls offer greater functionality with finer mouse control and intuitive presentation controls.

- **Main functions :** Page Up/Down, Slide Show Start/End, Switch Application/Task bar, Optical Touch Sensor Mouse(360 degree)
- By using a range of communication frequencies and unique IDs X-pointers can overcome any interference in the RF environment from other devices.
- The Integrated optical touch sensor provides 360 degree directional mouse controls with drag and drop capability.
- Reliable and high quality green laser module by IC control.

- Reliable green laser pointer with built-in highly efficient IR safety cut off filter protects users and audience from potentially harmful Infra-red light.
- The XPG200 receiver is interoperable. One receiver is all you need to use whichever X-pointer model fits the occasion.
- Delivers drag and drop, as well as drawing function in your PPT presentations.
- The auto-off feature turns off the laser after 20 seconds to prevent accidental damage or battery drain.
- No software installation needed. Simply plug the receiver into the USB port, press and hold any function button for 1 second and you are ready to go.

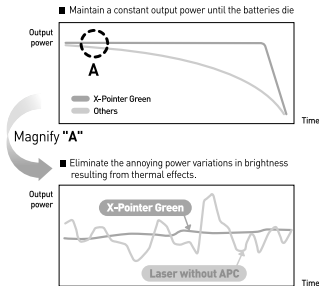
### ■ Visibility Curve

Green is closer to the center of the visibility curve, so it's easier for human eyes to perceive. A green laser looks as much as 8 times brighter than red. A green laser is much more suitable for presentations.



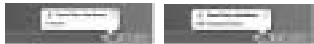
### ■ IC control device


The laser control function incorporates automatic power control (APC). The APC prevents the laser from over-heating and is used to regulate the laser output. APC will maintain the laser constantly until the batteries die and it won't hurt the laser at all. APC maintains a constant output power until the batteries die, thus eliminating the annoying power variations in brightness resulting from thermal effects on the diode and laser crystals as the pointer heats up.






### 3. Setting up the XPG200

1. Insert 2 x AAA batteries into XPG200 Transmitter.
2. Insert the Receiver into the USB port of the PC.
3. The Receiver will be installed automatically and will work immediately after it is inserted into the USB port.



4. Default start is presentation mode. The left button(  ) will start and stop the presentation.

The right button(  ) will switch Task Bar programs. To move forward, use the right mouse button. To move backward, use the left mouse button.

5. To use the mouse function, push the Mode Selector located on the right side of the Transmitter. The RED LED will blink. Control the Optical Touch Sensor to move the mouse arrow. Press the left(  ) and right(  ) buttons to activate the mouse left click and mouse right click functions.
6. If you see the failure in recognizing the Receiver, please follow ID pairing process.

#### ID Pairing between Transmitter and Receiver

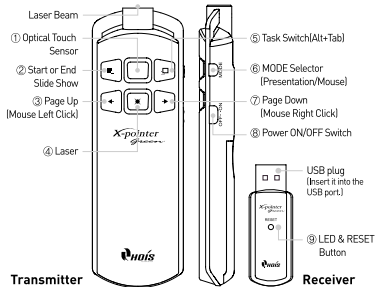
1. Press and release "LED & RESET button" on the Receiver for 1 second. The LED(Green) will start blinking and blink for 10 seconds.
2. Press together Two buttons (Start or End Slide Show, Alt+Tab) on the Transmitter and release the buttons when the LED turns off automatically.
3. If ID paired successfully, the LED on the Receiver and Transmitter will blink 4 times together.
4. XPG200 is ready to use.

#### - In case of the failure in ID pairing -

Remove and reinsert the USB Receiver. Please repeat above installation processes.

## 4. Layout of the XPG200

The Transmitter is an all in one controller- A Remote Controller, Optical Touch Sensor Mouse, Power ON/OFF switch, Mode Selector and Laser Pointer. The Receiver consists of a USB plug, LED & RESET buttons.




No.	Button	Function
①	Optical Touch Sensor	Optical Touch Sensor has the same functionality as the touchpad of a laptop computer and the left button of a mouse. ..... ※ Drag & Drop ※ Has the same functionality as the left button of a Mouse. Press the Optical Touch Sensor for 1 sec to activate "Drag". Push again to release it.
②	Start or End Slide Show	The slide show starts/ends from the current slide.
③	Page Up / Mouse Left Click	[ Presentation Mode ] Move to previous page ..... [ Mouse Mode ] Left button of a PC Mouse


No.	Button	Function
④	Laser	Laser beam for pointing
⑤	Task switch(Alt+Tab)	Switching between open windows/tasks
⑥	Mode Selector	Switch between presentation and mouse mode
⑦	Page Down /	[Presentation Mode] Move to next page
	Mouse Right Click	[Mouse Mode] Right button of a PC Mouse
⑧	Power ON/OFF	Power on or off of transmitter
⑨	LED & RESET	ID Recognition or Status indicator



## 5. How to use the XPG200

### ■ Presentation(P/T)mode (Default Mode)


1. Set the power switch on the transmitter to ON.
2. Press the Mode Selector on the transmitter to set Presentation(P/T) Mode. (The Blue LED will blink.)
3. Press the Start or End Slide Show(  ) button on the transmitter. The slide show starts from the



current slide. Press the Start or End Slide Show(  ) button again to end a slide show.

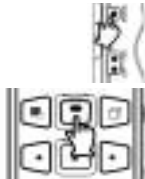
4. To display the next slide, press the DOWN(  ) button. To display the previous slide, press the UP(  ) button.



※ Use (Alt+Tab,  ) button to select a task bar window that you want to use for a smooth presentation.

### ■ Mouse mode

1. Set the power switch on the transmitter to ON.
2. Press the Mode Selector on the transmitter to set Mouse Mode. (The Red LED will blink.)
3. Sliding your finger across the touch sensor moves the mouse pointer on the screen in the same direction. Pushing once



performs a left click, Pushing twice performs a double click. Press the Optical Touch Sensor for 1 sec to activate "Drag" and push again to release it.

4. ( ← ) button has the same functionality as the left click, ( → ) button as the same functionality as the right click.

## 6. Cautions

**Use of controls adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.**

1. Do not stare into laser beam.
2. Do not aim the laser at people.
3. Keep out of reach of children.
4. Any changes or modifications to the controller could void your authority to operate the equipment.
5. Do not place the controller in a location where it is subject to direct sunlight or extreme heat.
6. If any solid object or liquid falls onto the controller, disconnect it and have it checked by qualified personnel.
7. When not using the controller, set the power switch to OFF.
8. The Controller is capable of operation between 10°C to 40°C and storage between -10°C to 50°C.




## 7. Certifications(FCC, CE, TELEC, FDA, PSC)

### 1. Model Name

Transmitter : XPG200T

Receiver : XPG200R

### 2. Certification

 FCC ID : RVBXP200T

 0678



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This Device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1)This device may not cause harmful interference, and  
(2)This device must accept any interference received, including interference that may cause undesired operation.

#### a. FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.”

b. USB dongle:  
Use of only Receiver

This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this

equipment does cause harmful 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:

- Reorient or relocate 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.

“**Caution** : you are cautioned that any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate the equipment.”

“**Note** : This unit was tested with shielded cables on the peripheral devices. Shielded cables must be used with the unit to ensure compliance.”

3. Manufacturer: Chois Technology Co., Ltd/ Made in KOREA

## 8. Support

If you have problems while using the XPG200 or if you have any suggestions, don't hesitate to contact us.

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 E-mail : [inquiry@choistec.com](mailto:inquiry@choistec.com)

## 9. Specifications of the XPG200

### 1. Transmitter

Bandwidth	2.4GHz ISM(2,405~2,480MHz)
Channel	76
RF Range	50m (Open Field)
RF Power	< 10mW
Modulation	GFSK
RF Type	Half Duplex
RF Data Rate	2Mbps
ID Code	65,536
Mouse	800CPI

Operating Temperature	10 to 40° C
Laser	Class II
Laser Output Power	< 1mW
Laser Wavelength	532nm (Green)
IR cut off filter	808~1064nm
Buttons	8EA (Input button 4, Power ON/OFF Switch 1, Mode Selector 1, Laser 1, Optical Touch Sensor 1)
Battery	1.5V Type AAA x 2
Dimension	35.7 x 112.7 x 16.8mm
Weight	55g
Certificate	CE, FCC, TELEC, FDA, PSC

## 2. Receiver

<b>Input Power</b>	5V(USB bus power)
<b>OS</b>	Windows 2000, XP, Vista
<b>System</b>	IBM PC/AT & Laptop PC
<b>Interface</b>	USB 1.1/2.0
<b>Dimension</b>	16 x 48 x 7.8mm
<b>Weight</b>	5g