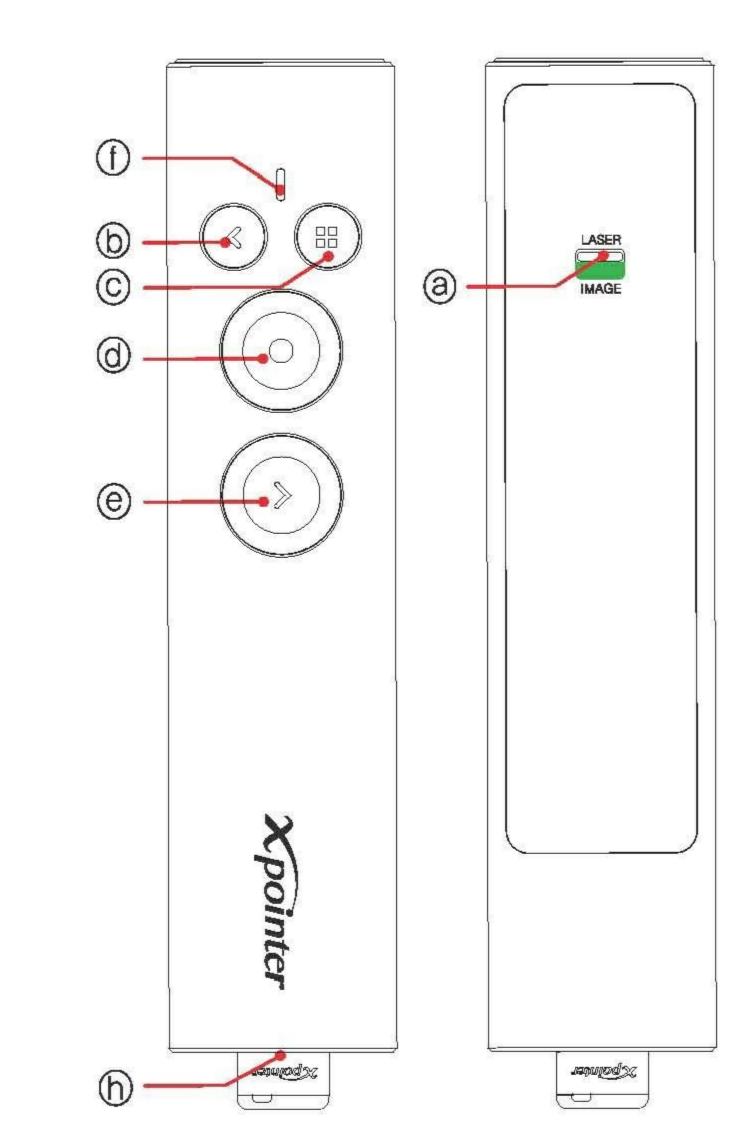# X-POINTER

1 Feature

X-pointer has 2 models of 'laser pointer' and 'image pointer', XPG300YN models provide not only the world's best green laser on a general projector screen but also support perfect pointing functions on all kinds of screens, including LCDs. Especially, users can uniquely display their presentations with the ImagePointer function.
X-pointer can be used for a variety of occasions, like presentations, speeches, and classes by drawing lines, figures on the screen and controlling PCs functions.

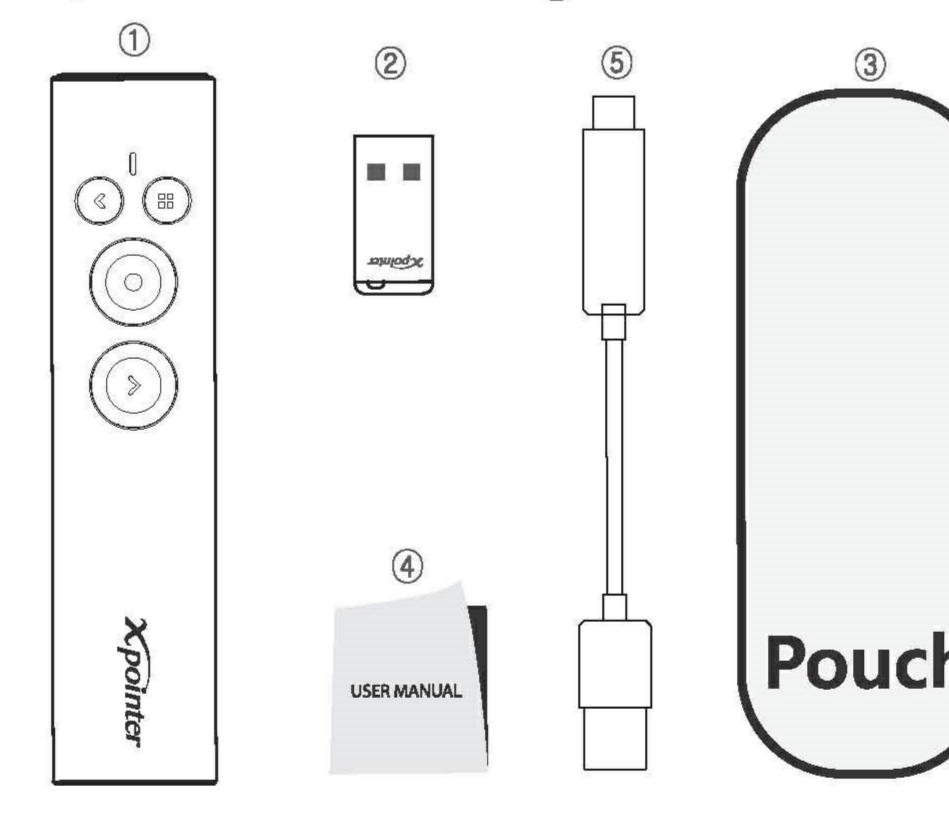## 2 Included in the Package & Function

1) function

Number	Laser Pointer Mode	Image Pointer Mode
ⓐ	upper side laser pointer mode	bottom side laser pointer mode
ⓑ	Pre-page / Click for 2 seconds : Black screen	Pre-page / Click for 2 seconds : Black screen
ⓒ	Slide show (shift + F5 function)	Mode change Click for 2sec : right button of mouse
ⓓ	Green laser	- Touch mouse function - Click : left button of mouse - Click & hold : drag function
ⓔ	Next page / Click for 2 seconds : Slide Show(F5)	Next page / Click for 2 seconds : Slide Show(F5)
ⓕ	LED color - Red : button status - Green : low battery - Blue : charging	LED color - Red : button status - Green : low battery - Blue : charging
ⓖ	Charging cable socket(USB-C TYPE)	Charging cable socket(USB-C TYPE)
ⓑ+ⓔ	Click for 2-3seconds : Calibration (ⓕLED Green flickering)	

2) Included in the Package

① Transmitter	1EA
② Receiver	1EA
③ Pouch	1EA
④ User manual	1EA
⑤ Charging cable	1EA

※ ImagePointer software
(download it on the Official Website www.x-pointer.com)

3 Warning

1) Caution

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
LASER RADIATION. DO NOT STARE INTO THE BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. CLASS II LA SER PRODUCT.
NEVER POINT A LASER BEAM INTO A PERSON'S EYES ON VIEW A LASER BEAM DIRECTLY, AS PROLONGED EXPOSURE CAN BE HAZARDOUS TO THE EYES. MOMENTARY EXPOSURE FROM A LASER POINTER, SUCH AS AN INADVERTENT SWEEP OF THE LIGHT ACROSS A PERSON'S EYES, MAY C AUSE TEMPORARY FLASH BLINDNESS SIMILAR TO THE EFFECT OF A CAMERA FLASH BULB. ALTHOUGH THIS CONDITION IS TEMPORARY, IT CAN BECOME MORE DANGEROUS IF THE PERSON IS ENGAGED IN A VISION CRITICAL ACTIVITY SUCH ASDRIVING. MODIFICATION OF THIS DEVICE MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. FOR YOUR SAFETY, HAVE THIS EQUIPMENT SERVICED ONLY BY AN CHOISTECHNOLOGY AUTHORIZED SERVICE PROVIDER.

2)Notice

For accidents caused by user's carelessness is not compensation. Please keep in mind the below notice:
1) Do not stare into the laser beam.
2) Do not aim the laser at people.
3) Keep out of rea ch 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) The controller is capable of operating between 0~40℃ and storage between 10~50℃.

4 ImagePointer Program Manual

Image Pointer function : User can use mouse pointer with images that they want including moving image(GIF).
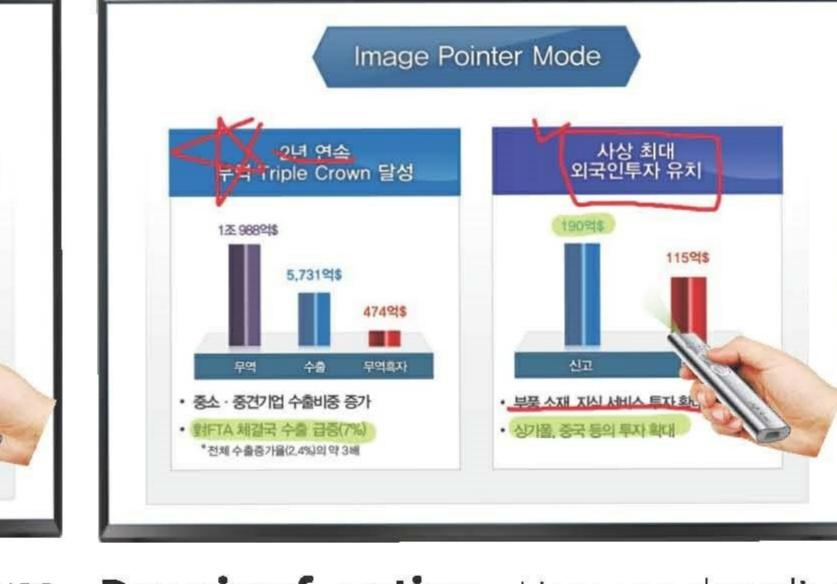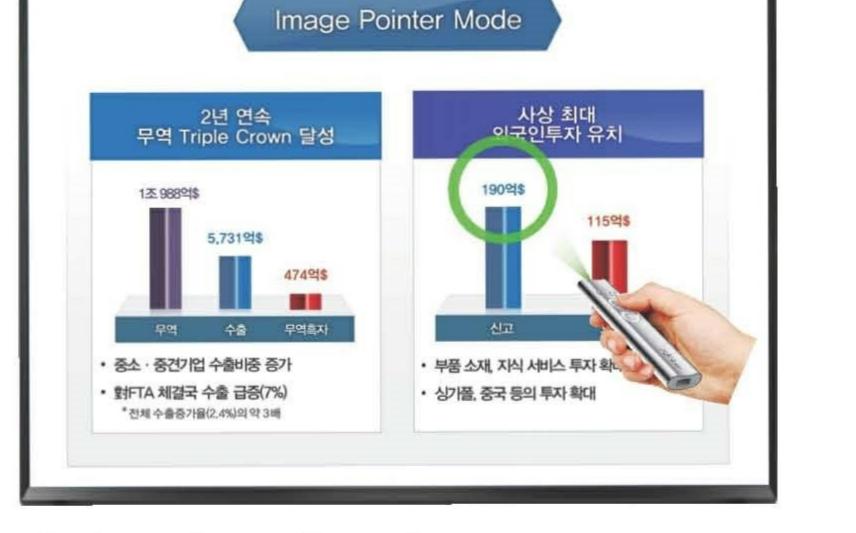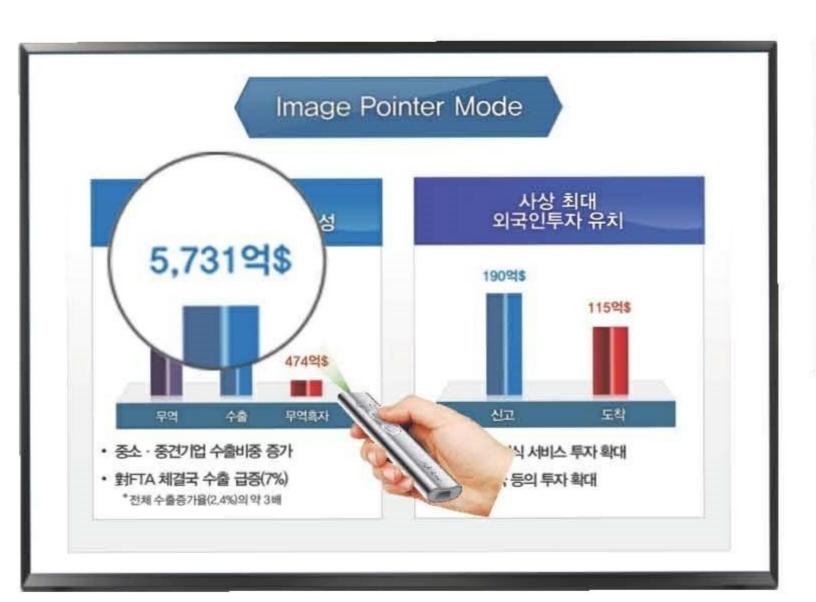
Drawing function : User can draw lines, figure and highlighter during presentation

Highlight function : User can focus on part as that want

Circle pointer function : User can customize size, thickness and transparency of the circle

Magnifier function : User can focus on part that that want as adjusting magnification maximum 3 times
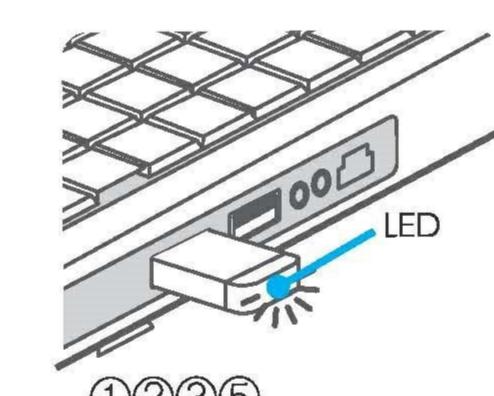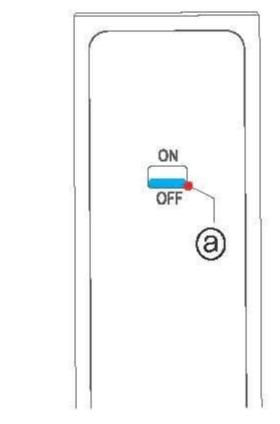
Green laser pointing function : Green laser pointing on beam projector
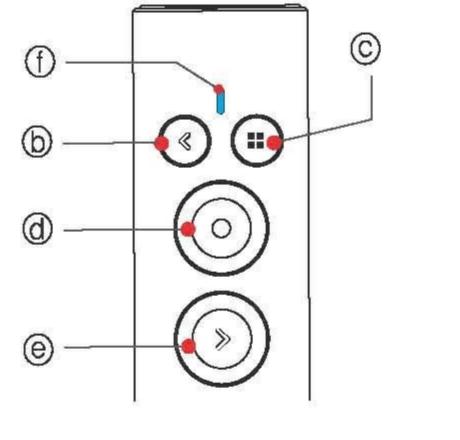
5 Installation

1) Hardware installation

① LED of the receiver will be flickering after the receiver is inserted in to the USB port.
② hen if you push one of the buttons(ⓑ,ⓒ,ⓓ,ⓔ) for 3 seconds, flickering LED is stopped and that is connected.
③ If mouse cursor moves by touching your finger on the button ⓓ, It is connected.
④ If LED stopped flickering, it is completed to ready to use.
⑤ If the function is not working, you can try to insert the receiver again.

(ImagePointer software installation)

2) ImagePointer software installation

The ImagePointer function can be used with additional software.
Please download the software through below website
① Please log-in on the website and download the program. (www.x-pointer.com -> Support -> Download -> ImagePointer program)
② After unzipping the file, double-click the 'Pointer' file.
③ Please insert the receiver into the USB port. (need to check connection status) *Reference : (1) Hardware installation
④ If the receiver does not have any problem, User can use image mouse pointing function as touching the upper button of the center
⑤ Please click the upper button of the right side to change mode
⑥ Please click bottom button of the right side; ImagePointer tray icon(🖥) for a different mode

※ the program supports Windows, Mac OS, and Linux
※ if you have any problem with the software or any other issue, please contact us
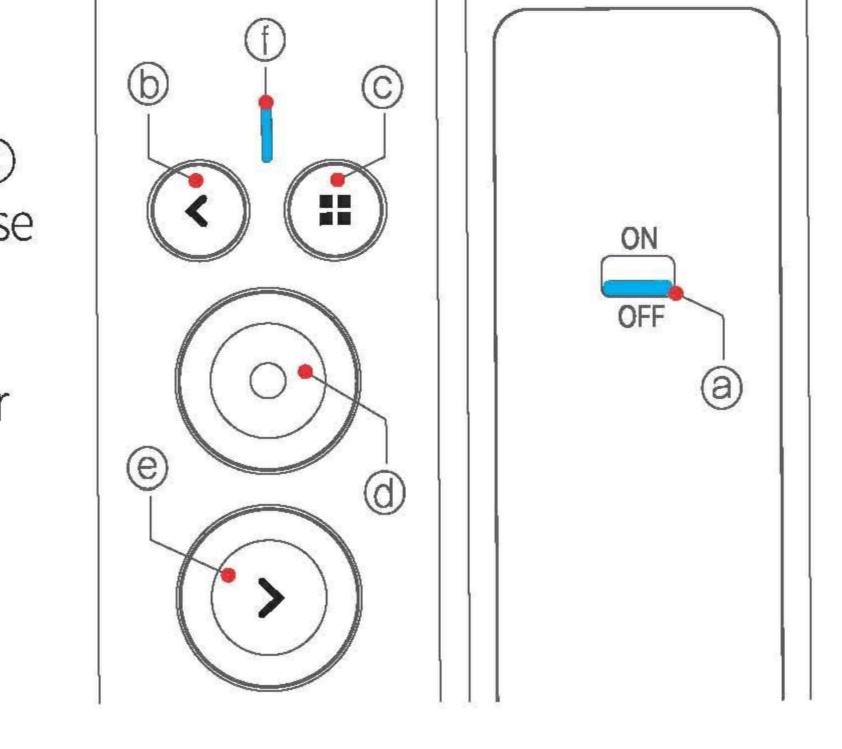
6 How to use

1) Image Pointer mode

① Please change the switch ⓐ to image mode on the backside of the product like the picture
② The presentation file execution
③ Start Slide Show
④ Users can use buttons of Page up ⓔ/down ⓑ.
⑤ If ⓓ it is touched, the blue LED is showed on ① and image pointing function starts.
⑥ Please click on the upper right side for mode changes (4 modes).

2) Laser pointer mode

① Please change the switch ⓐ to Laser mode on the backside
② The presentation file execution
③ Start slide show with click button ⓒ
④ if ⓓ it is touched, a green LED is showed on ① and the LaserPointer function starts.
* Do not check 'laser' directly with your eyes

(Receiver / charging)

3) How to charge the battery

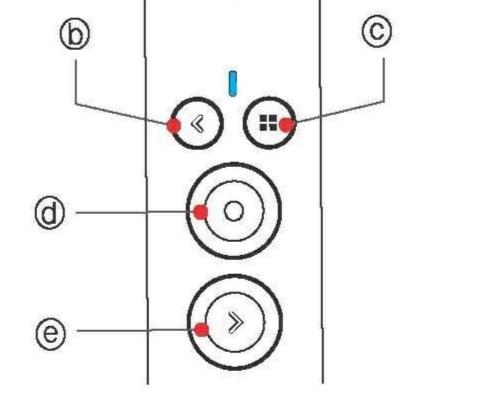① Charging battery: Red LED
② Charging battery 100%: Green LED

7 Problem Shooting

1) The cursor is flowing or not controlled by the user on ImagePointer mode

① Please put the product down on the flat place like the desk or ground.
② Please press the button ⓑ & ⓔ at the same time for 3 seconds or more, a green LED will be flickering for 2-3 seconds.
③ Calibration starts automatically.
④ After calibration, if the user uses the image mouse pointing function, the moving pointer will be

2) Though the receiver (USB) is inserted in to the PC, the button is not working.

① Please insert the receiver into the USB port.
② If the receiver is connected to the PC, you can see the light flickering of the receiver.
③ Please touch ⓓ and the receiver will show the blue LED light.
④ After that, if you do not touch ⓓ, you cannot see the blue LED on the receiver.

8 Specification

1) Transmitter

Frequency	2.402~2.480GHz
Numbers of channels	40 channel
ID	65,536
Distance of use	Max. 50m(Open Field)
Antenna power	Under 10mW
Modulation system	GFSK
Operation temperature	Wireless: -10~50℃ / Laser : 10~40℃
Laser standard	Class II, PW(Pulse wave)
Laser output	less than 1mW
Laser wavelength(color)	515nm(Green)
Consumption current	Under 20mA
The number of button	4 Buttons, 1 Slide switch
Battery	Li-polymer 3.7V / 200mAh
Size	130 X 30 X 13 mm
Weight	47g(with Li-polymer battery)
Green laser operating time	Around 15 hours

2)Receiver

Interface	USB 1.1 / 2.0
Power	5V(USB Power)
Compatibility of OS	Windows 10, MacOS X
Power consumption	less than 23mA
Operating temperature	-10~50℃
Size	26 X 12 X 4.5 mm
Weight	1.5g

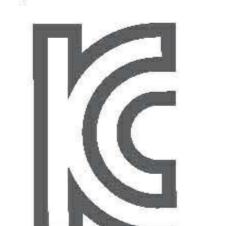### 3)oftware (ImagePointer program)

Compatibility of OS	Windows 10 / mscOS High sierra, Mojave, Catalina
Dual monitor Dual monitor	Support
Mouse Pointing	Circle pointer, Image pointer, Highlighting, Magnifying

9 Certification

1) FCC

FCC ID: RVBXPG300YN / Model: XPG300YN

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

2) KCC

According to the regulation of safety management for laser products, this product acquired KC Certificate(The National Representative Certification Mark) from Korea Testing Laboratory.

1. Product Name (Model No.): X-pointer(XPG300YN)
2. Certification Number: B466R040-7002C
3. Manufacturer: ChoisTechnologyCo., Ltd / YTtech(H.K) Limited
4. Country of origin: China
5. Product Design: ChoisTechnology Co., Ltd.
6. Date of manufacturing: Otherwise noted

10 Support

If there are some problems or something to improve while using the product, please contact us. We will consult about it kindly.
E-mail: choistec@choistec.com / TEL : +82 32-246-3409, FAX : +82 32-246-3406
Homepage_ www.x-pointer.com / Company Name: ChoisTechnology Co., Ltd.

11 Warranty

We warrant this product is manufactured by ChoisTechnology Co., Ltd. and any defect of the product caused by materials and mechanical problems will be covered free for a year. If our model you purchased is found to be defective within that time, we will promptly repair or replace it. However, this warranty does not cover problems or damages resulted from unauthorized repair, modification or disassembly.

FCC Information to User

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 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.

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.

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

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

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