

interPro

Installation Guide

Product Specification

Product List	P01
Electrical Specification	P01
Safety Precautions	P01

Hardware Installation Steps

Installation Precautions	P02
Hardware Installation Guide	P03

Go Touch Device Driver Installation

Go Touch Software Installation	P05
Go Touch User Interface	P06
1. Operation Mode	P06
2. Touch Area Setting	P06
3. Calibration Manual	P07
4. Language Setting	P11
5. Touch Sensitivity	P11
6. Environment Check	P11
Laser Curtain Adjustment	P12

Touch Painter Software Installation

Touch Painter Software Installation	P16
Touch Painter User Interface	P17
Touch Painter Toolbar	P17
Function of each icon in the tool bar	P18
Mouse Right Click Function	P19
Touch Pen & Eraser Switch Function	P19

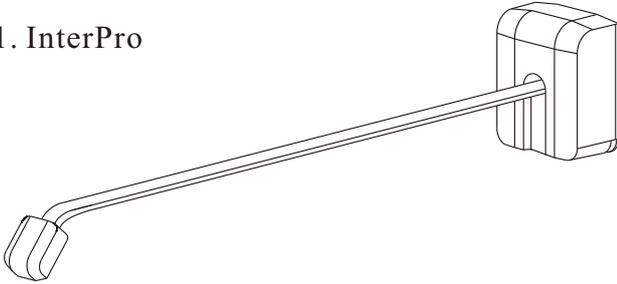
Troubleshooting	P20
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Product Specification

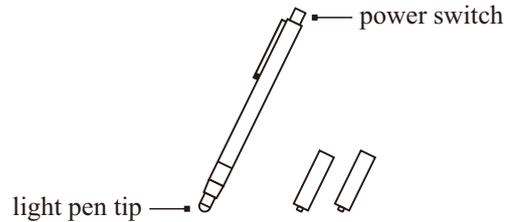
The following items may vary depending on the model you purchased. Please contact your vendor if you have any questions.

Product List

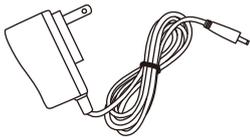
1. InterPro



2. Light pen (please use 1.5V alkaline battery)



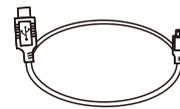
3. Power adapter



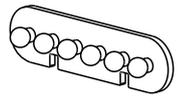
4. USB 2.0 signal booster extension cable 10M (extending the distance between InterPro and PC)



5. MicroUSB to USB2.0 -extension cable 1.8M (InterPro to PC)



6. Cable clip



7. Positioning Assistance Card



8. M4x20 self-tapping screws and washer



9. Plastic extension pipe (sleeve anchor) 6mm



10. Installing software USB drives



11. QuickStart Guide book



Electrical Specification

Product Size	10x8x56 cm
Device driver	Go Touch
Laser Safety Standard	FDA Class 1
Applicable system	Windows 7/8/10
Applicable projection screen size	60"-90"
Operation mode	Pen Touch/ Touch Mode
Power supply	Input 100-240V, Output 5V-2A

Safety Precautions

1. Please read the **Installation Guide** and make sure to follow the instructions.
2. Do not look into the laser light beam when the laser box is operating.
3. Do not hang anything on the extension rod-this may cause the rod to break and falloff.
4. Do not put any object in front of the lens or laser beam exit port; this may damage the device.

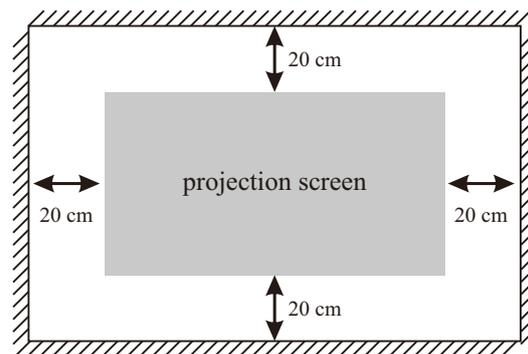
Hardware Installation Steps

Installation Precautions

InterPro weighs 283.5 g.

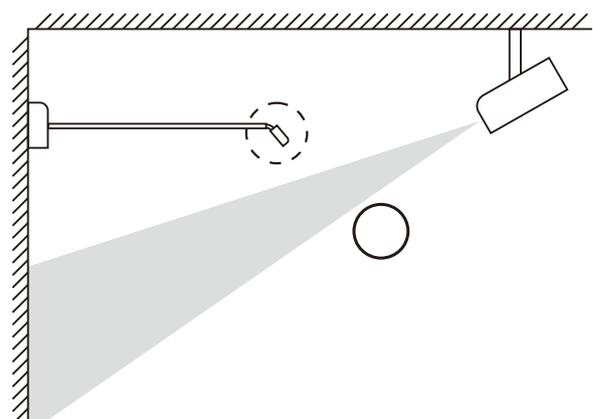
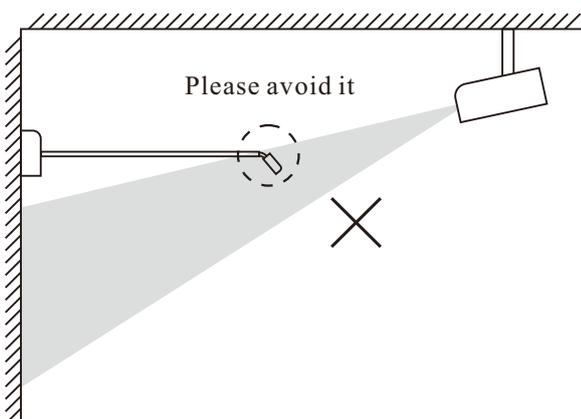
Please calculate the loading weight of the wall, and make sure its strength, flatness, and material are suitable to install InterPro. Use the most appropriate way to mount it.

1. In order not to negatively affect your user experience, please follow the instructions below when choosing the projected surface and material:
 - 1.1 Please check the flatness of the wall. Make sure there are no obstacles, pits or protrusions.
 - 1.2 Avoid using glass or any high-reflective material as a projection surface. (If your projection surface is glass, you could paste a matte projection membrane on the glass.)
 - 1.3 Avoid using a dark wall or a light-absorbing material as a projection surface.
 - 1.4 Avoid using InterPro outdoors or at a place with direct sunlight.
 - 1.5 Avoid putting any protrusions or reflective objects on the projection screen or within 20cm of the projection screen.
 - 1.6 To ensure the interactive function is working properly, please install the product on the solid and flat surface, not install it on the projected screen or any kinds of unstable materials to prevent the product from shaking or even falling.



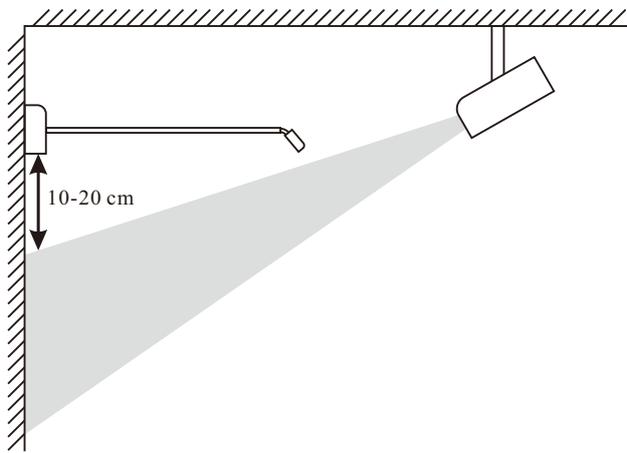
2. Projection screen precautions:

- 2.1 InterPro is suitable for work with a projection whiteboard or with the image projected on a flat wall. InterPro supports projection screens between 60" to 90". We suggest using an 80" projection screen for the best experience.
- 2.2 In order to have InterPro shoot the full screen of the projection area, please be mindful of the relative position between InterPro and the projector.
- 2.3 In order to have the best experience, please install InterPro 10-20cm above the center of the projection screen.

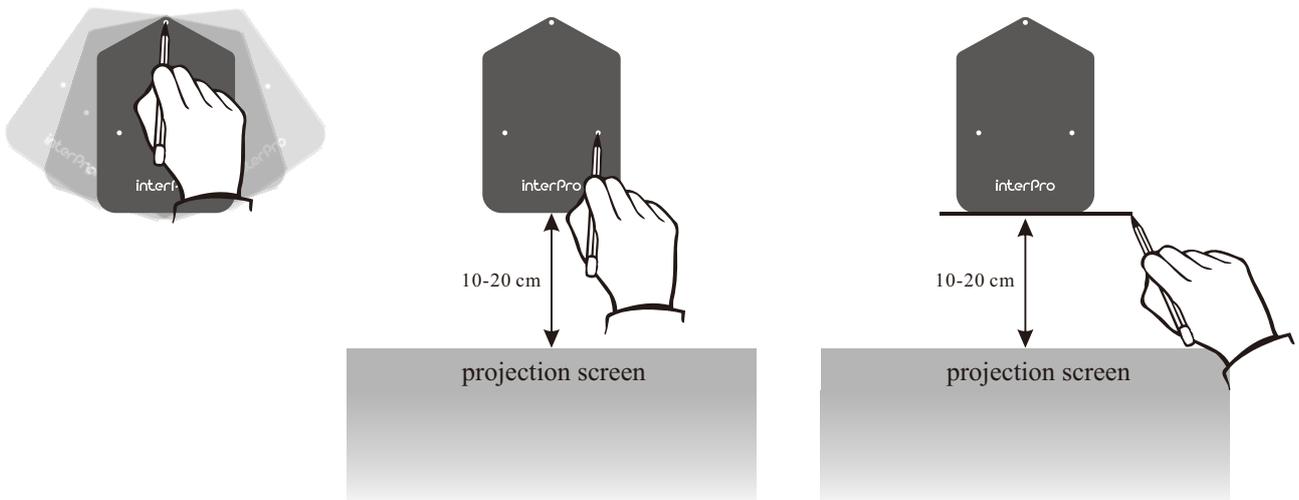


Hardware Installation Guide

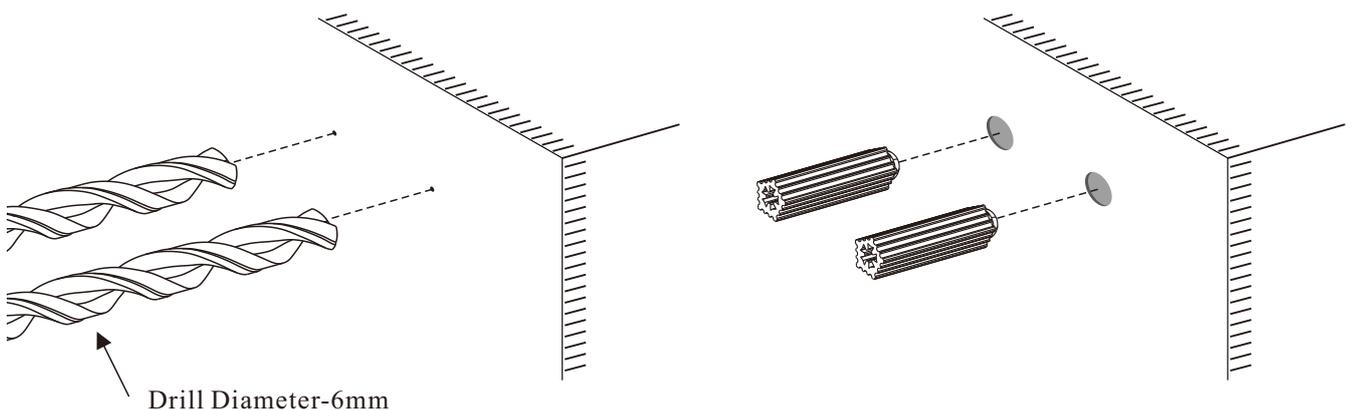
1. Please check the necessary gap between the projection screen and InterPro, and make sure the position of the product will not interfere with the projected image. We suggest you to put InterPro 10-20cm above the center of the projection screen.



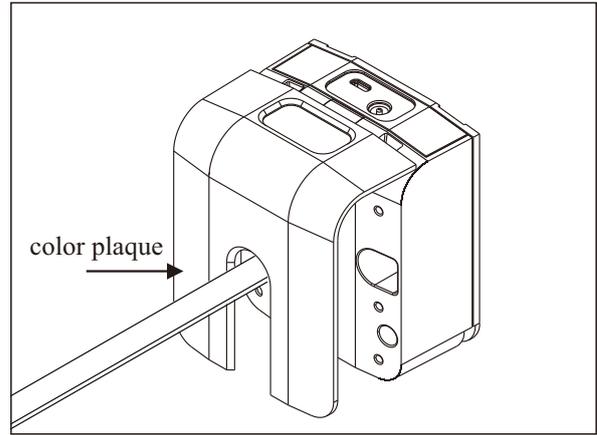
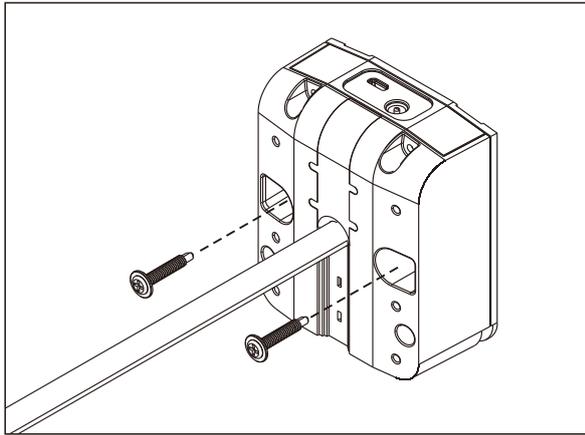
2. Please use the positioning assistance card, to draw a line above the center of the projection area to decide the installation position of InterPro, and mark the position that you are going to drill. Please check the file "Center.jpg" in the USB at full screen mode, which will help to locate the center of the projection screen.



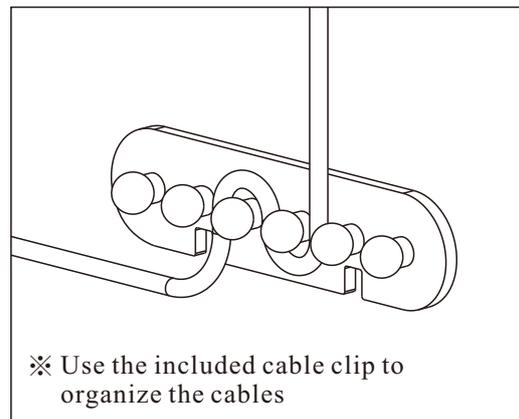
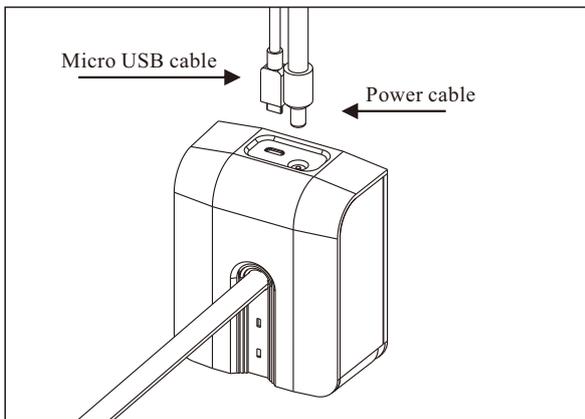
3. Decide the position of the drill hole on the wall. Drill the hole and knock the supplied sleeve anchor into the hole.



4.Align the InterPro above the line and mount the InterPro on the wall. Cover the white color plaque.

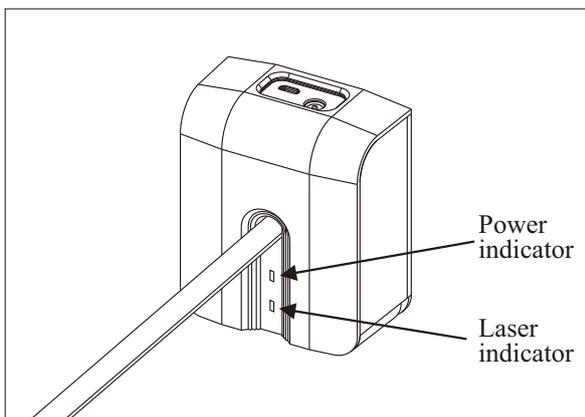


5.Plug the power cable and Micro USB cable into InterPro. To ensure great user experience, please keep the cables from getting tangled.



6.Securely connect the USB cable to your PC to activate the product and follow the safety instructions below.

- 6.1 When the power indicator is on, the product is in operation mode. Please remove all possible interference to ensure the best product experience.
- 6.2 When the laser indicator is on, please do not look into the laser beam exit port, as this may cause discomfort to the eyes.



Go Touch Device Driver Installation

In order to ensure the interactive function works properly-please check your computer system to see if it meets the following conditions:

Operation System: Windows 7 (32bit/64bit) / 8 / 10 (Must be installed. NET Framework 4.0)

Processor: Intel® Core™ i3 or above

RAM: beyond 4 GB

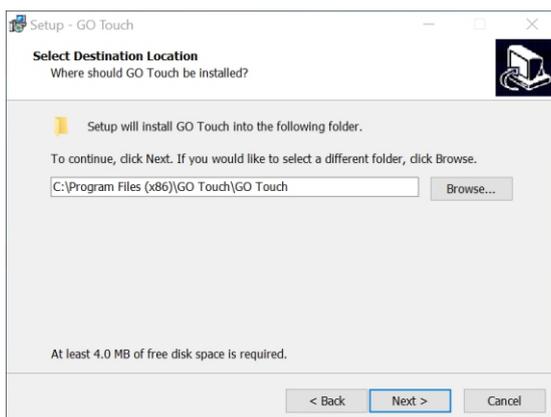
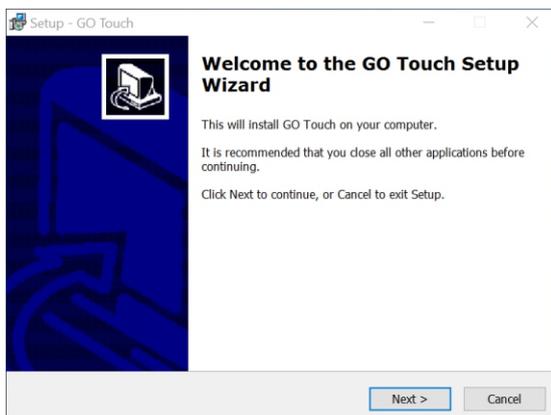
Smallest hard disk drive space: 110 MB

Applied projection screen size: 60"-90"

Go Touch Software Installation

Please plug the supplied USB driver into the computer

1. Please click GO Touch Steup.exe by mouse, and then the window will appear as below.
2. Please choose the file you want, and click "Next" to install.
3. Please wait a while for the installation process to complete.



Go Touch User Interface

Connect Interpro to your PC using the supplied USB cable. Double click on “Go Touch” below.



1. Operation Mode

Operation Mode includes Pen Mode and Touch Mode

- ⊙ If you use the Light Pen, please choose Pen Mode to operate.
- ⊙ If you turn on the Laser Curtain Module, please choose Touch Mode to operate.
When the Laser Indicator is on, do not look into the laser light beam.
- ⊙ You can switch the operation mode after calibration is finished.
Please make sure both operation modes are working properly.

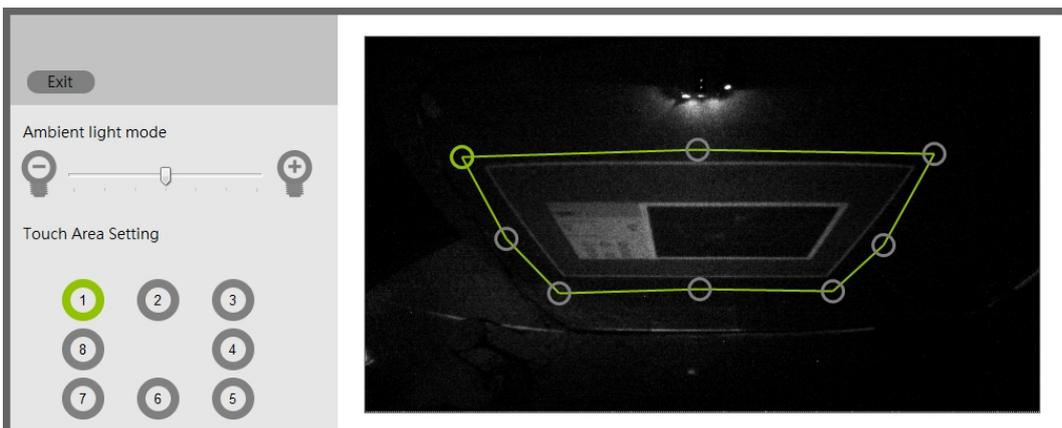


2. Touch Area Setting

Choose the “Touch Area Setting”.

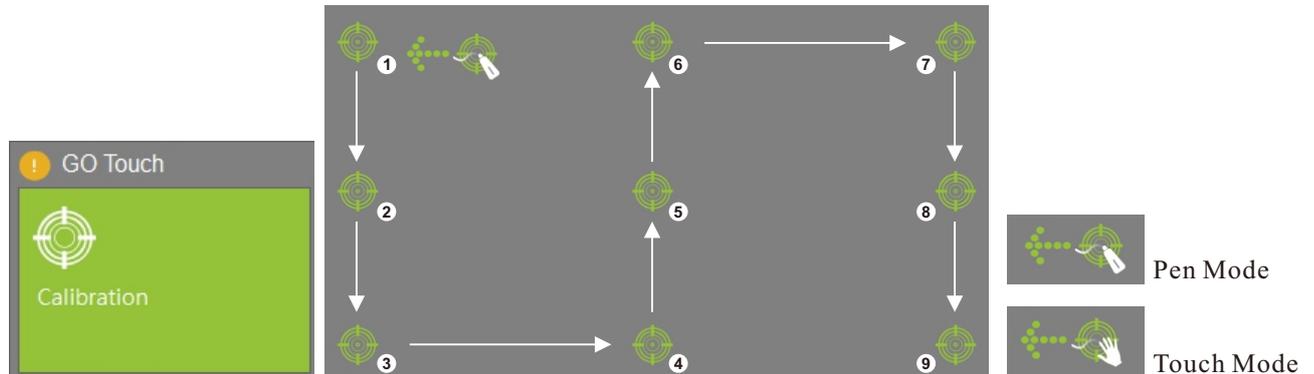
Align the adjustable green zone with the projection white frame, as described below:

- ⊙ The ambient light can adjust the brightness of the screen. Press + or - to adjust the brightness.
- 1. Use your mouse to click on 1 and drag the corresponding green point to the upper left corner.
Align the adjustable green zone with the projection white frame.
- 2. Repeat this step to adjust the point from 1-8 in order to align the green zone, positioning it slightly over the border of the projection white frame. Please fine tune the green zone if it does not fully cover the projection white frame.
- 3. When the Touch Area is correctly positioned, click “Exit.”
- 4. When the program shows “Setup Completed”, please continue to the next step for calibration.



3. Calibration Manual

After completing “Touch Area Setting,” select “Calibration” to enter the calibration process. Depending on the operation mode, use the Light Pen or your finger to touch the circle shown on the screen. There are 9 calibration circles in total. Please touch the circles one by one with the Light Pen or your finger.



⊙ Press “ESC” to exit the Calibration Process

⊙ Press “(UP)” to recalibrate the previous Calibration Point.

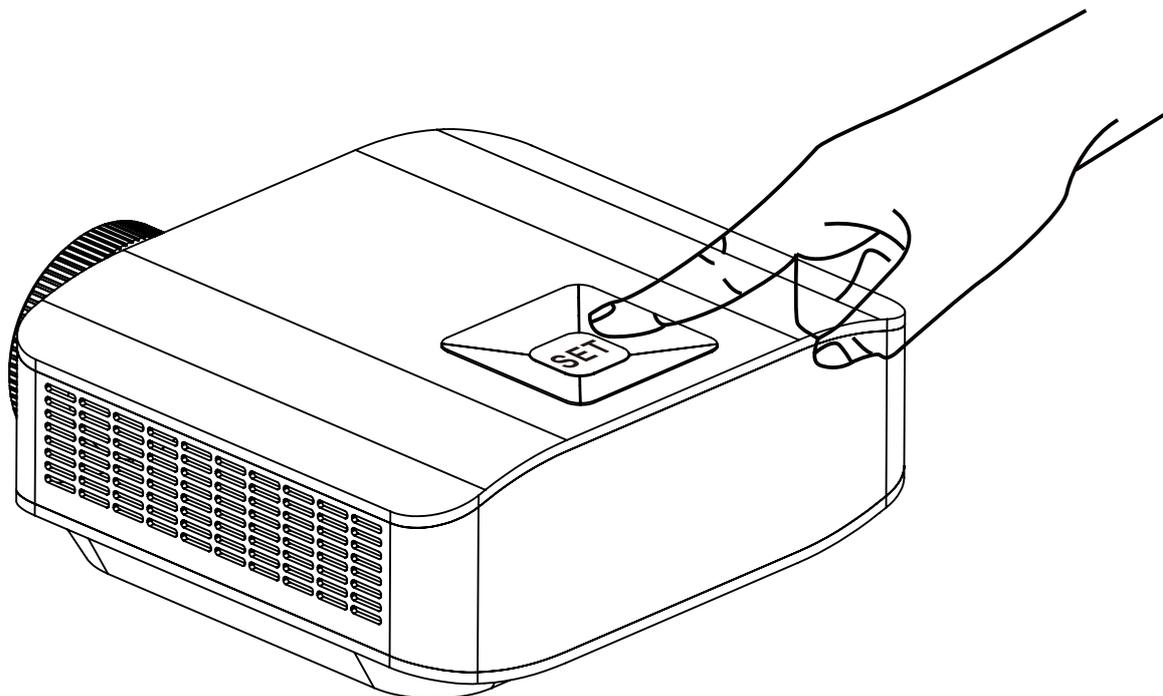
- (1) We suggest you perform the Calibration Process with the supplied Light Pen to ensure a better calibration effect.
- (2) After calibration is finished, there is no need to redo the calibration process when connecting to a new PC (when the projection screen stays in a single output with the same ratio and position).

Windows 7/8/10 calibration

● Projector Screen Setting

To make the calibration work well, please choose the projector's aspect setting in “Full”, “Wide” or aspect ratio in “16:9”, “16:10” or “4:3”.

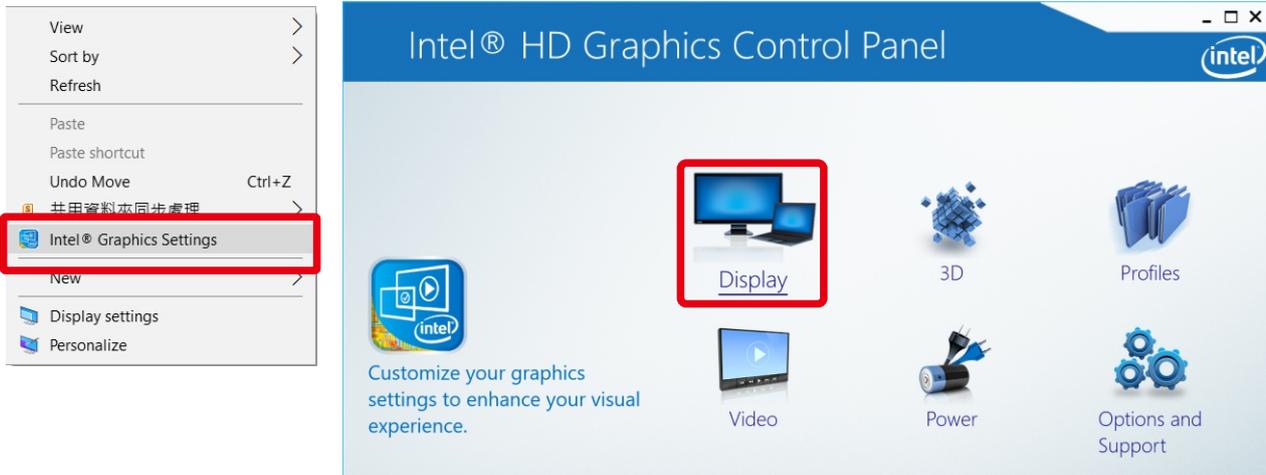
Please do not choose “Normal”, “Auto” or “Maintain aspect ratio”



● System Calibration Guide

Please perform the following operations to check the setting.

Right Click of a Mouse on desktop>Intel Graphics Settings>Display

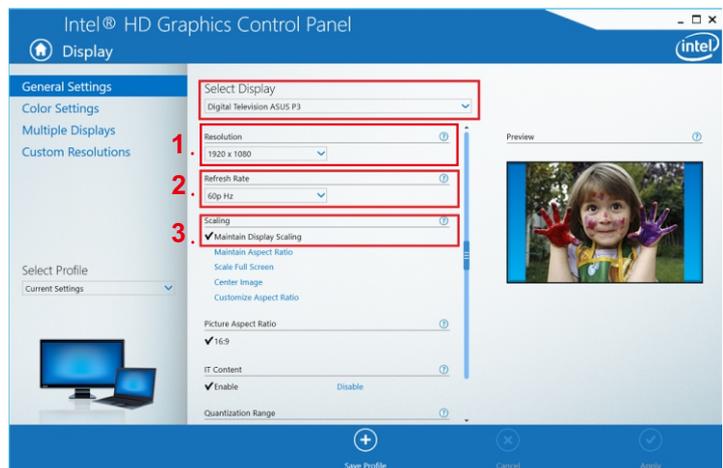


1. Please check that the resolution of Built-in Display is consistent with the resolution of Digital Television
2. "Refresh Rate" set up at 60Hz
3. Check "Scaling" at "Maintain Display Scaling" or "Scale Full Screen"

Built-in Display

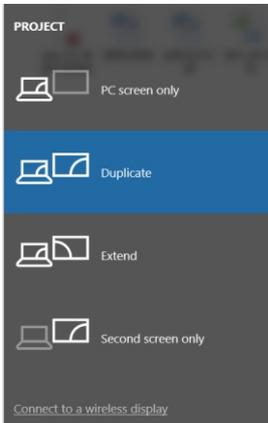


Digital Television

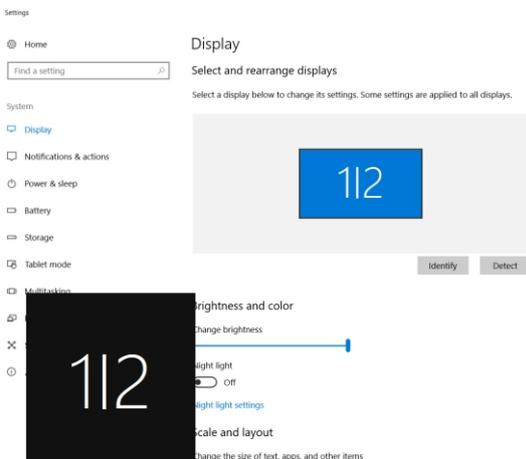


If you cannot adjust the projector's setting shown above, please follow below steps to set up before proceeding calibration:

1. When connecting your PC to the projector, please press WIN (windows key) + P at once and choose "Duplicate" mode.



2. Please check the "Duplicate" status for connected displays.



3. Please perform the following operations to check the setting.
Right Click of a Mouse>Intel Graphics Settings>Display



4. Please check that the resolution of Built-in Display is consistent with the resolution of Digital Television, "Refresh Rate" set up at 60Hz and check "Scaling" at Maintain Display Scaling for both displays.



5. Please double check that the resolution of Built-in Display and the resolution of Digital Television are consistent. Please proceed calibration, once the setting is completed.



4. Language Setting

Go Touch is available in 4 languages:

Traditional Chinese, Simplified Chinese, English, and Japanese.



5. Touch Sensitivity

When the touch function's response too fast or slow, you can adjust the sensitivity by adjusting “Touch Sensitivity Level” that is suitable for the environment condition.

- ◎ Touch Sensitivity Level can be adjusted from 1-5; the default value is 3. Please adjust the sensitivity that is most suitable for the environment conditions.

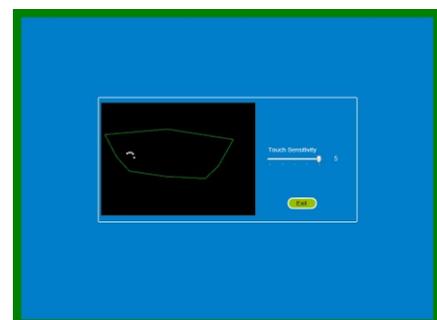
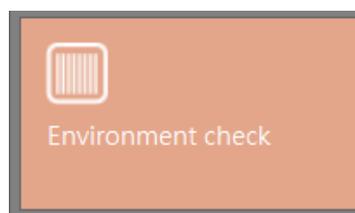


6. Environment Check

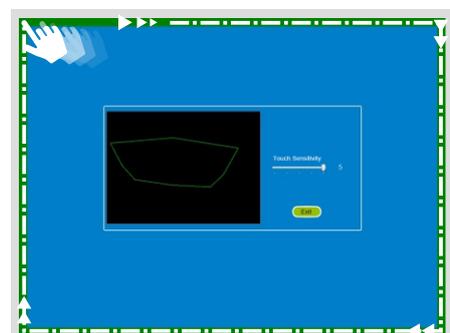
Please confirm whether you are using Pen mode or Touch mode, then select “Environment Check” to if there is any interference in the installation Environment. Any object, blaze of light, uneven projection wall, or reflective object will be shown as a white spot on the examine screen. Please eliminate any interference factors from the installation environment.

6.1 When "Touch Sensitivity Level" is at 5, it has the best detect sensitivity, which will react to any slightest interference

- ◎ Pen Mode: Please make sure that there are no whites spot on examine screen. If there are any, eliminate the interference factors.
- ◎ You may need to adjust the position of the InterPro and examine if there are any interference factors. If so, you need to eliminate it from the installation environment.

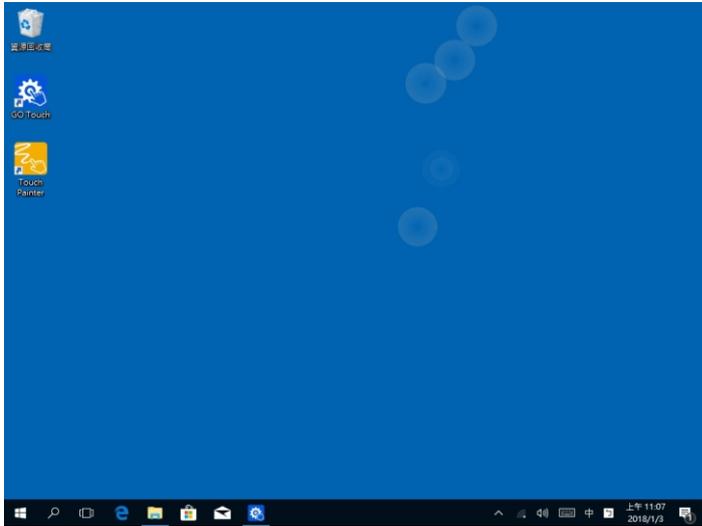


6.2 After eliminating all interference factors, please use the Light Pen or your finger to touch the edge of the projection screen, and make sure the white spot is stable. Then adjust the touch sensitivity level and click “Exit” to finish Environment Examination.

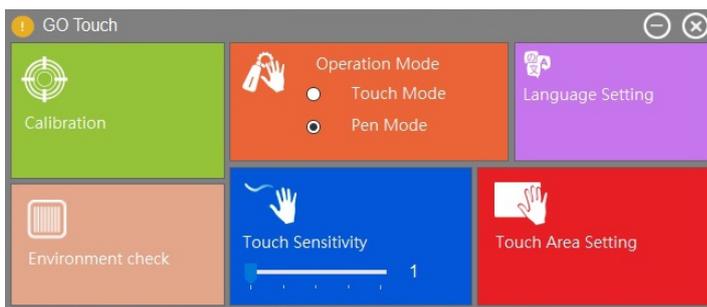


Laser Curtain Adjustment

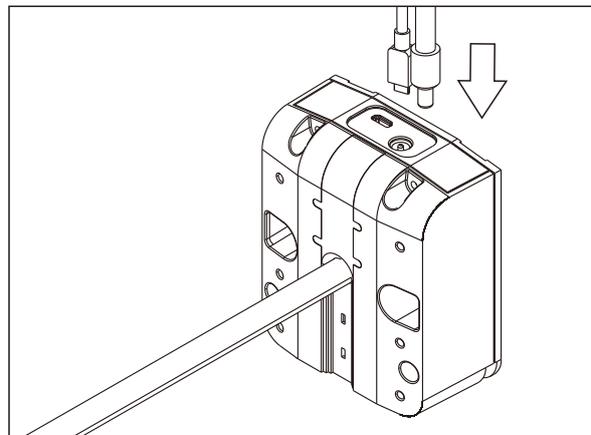
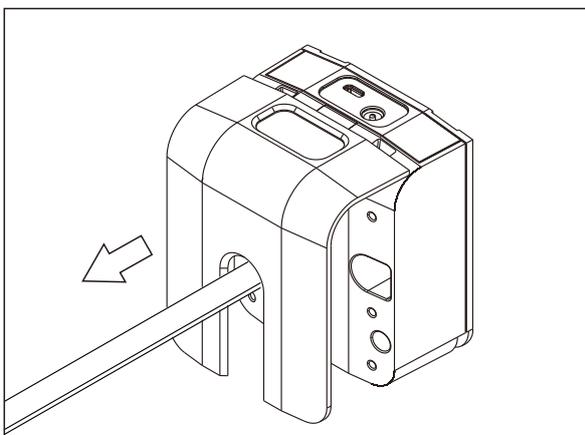
If you find that the product does not work well because of the unevenness of the installed surface, or because the laser curtain is not parallel to the installed surface, please unplug the USB first, and adjust the laser curtain by the following instructions.



1. Activate “Go Touch” and choose “Light Pen Mode” under the condition that the computer is not connected to InterPro.



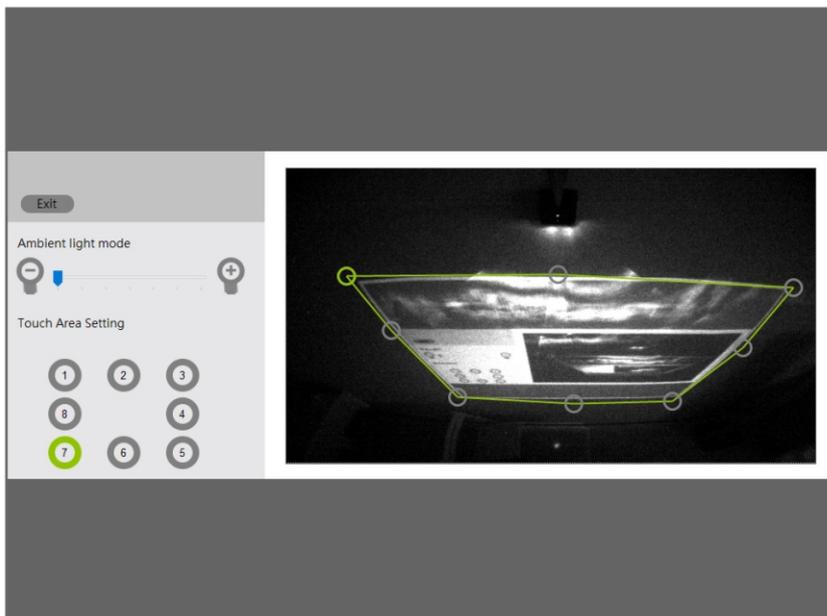
2. Please take off the plaque, and plug power cable and Micro USB into InterPro.



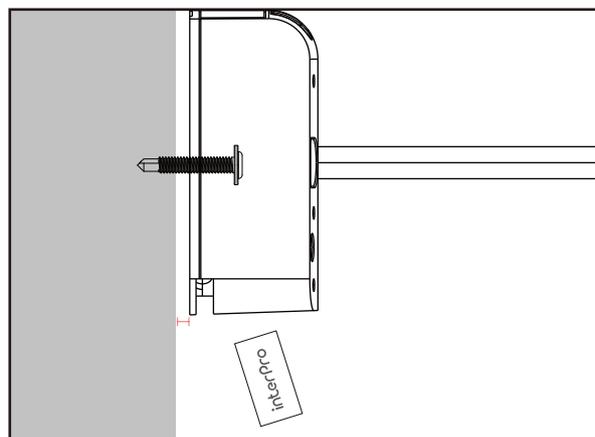
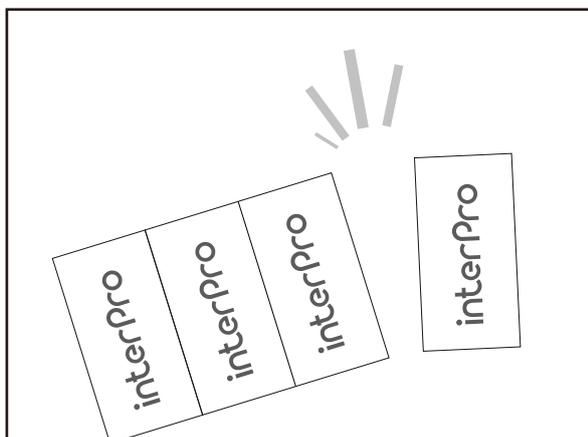
3. Please open “Go Touch” again, adjust the “Touch Sensitivity” to “1” and select “Touch Mode” to activate laser curtain.



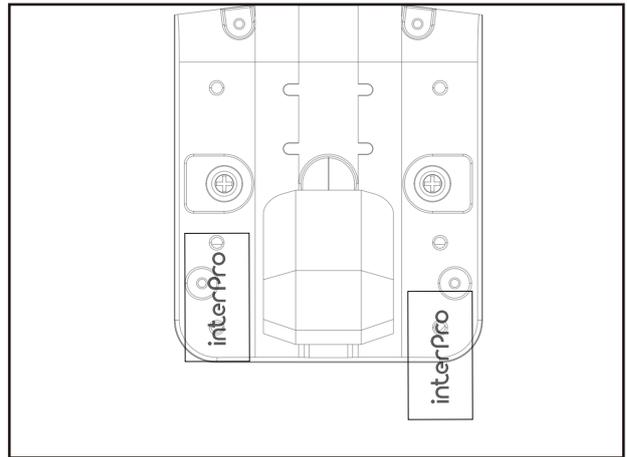
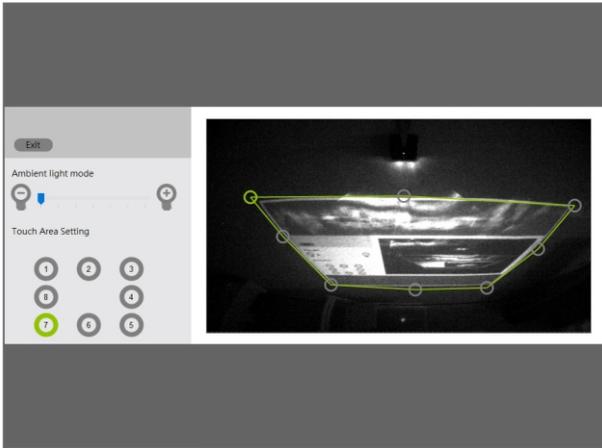
4. Please select “Touch Area Setting”, adjust “Ambient Light Mode” to the lowest level and check if the laser curtain is uneven. If the laser curtain is uneven, the image will be like the picture below.



5. Please loose the screws, create some gap between the product and wall, and adjust the laser curtain by using supplied paper sheet. Please follow the instructions described on the next page.

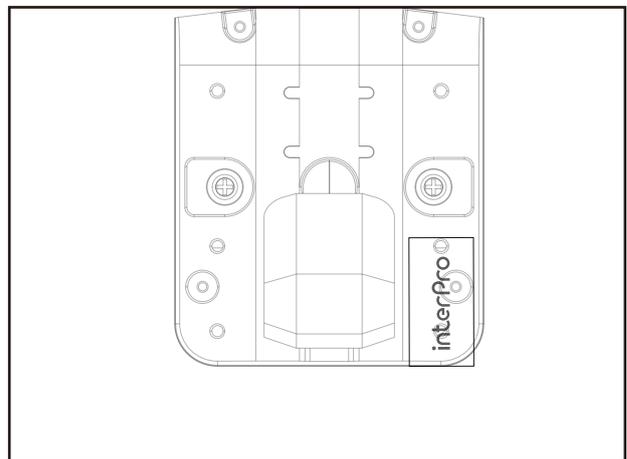


Condition 1 :



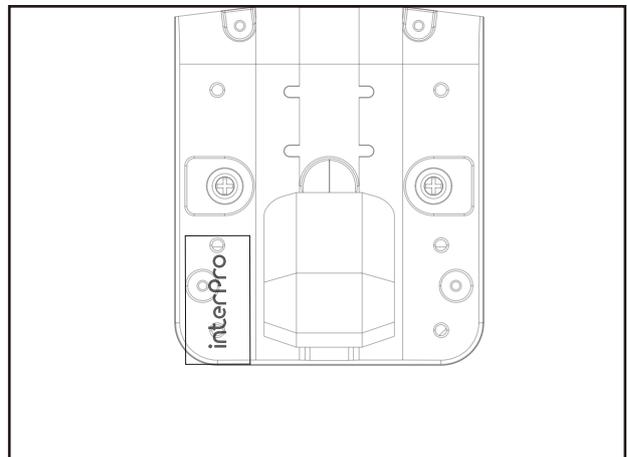
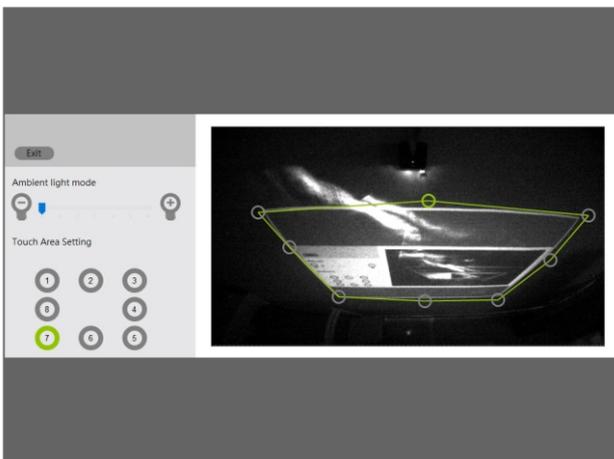
In this case, the laser curtain tilts to below. Please put some paper sheets into the both sides of InterPro and then fix the screws.

Condition 2 :



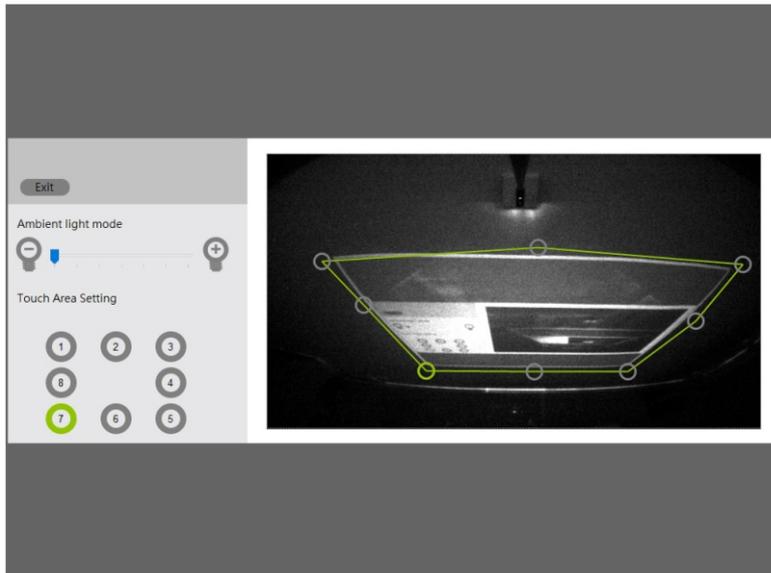
In this case, the laser curtain tilts to the right. Please put some paper sheets into the lower right corner of InterPro and then fix the screws.

Condition 3 :

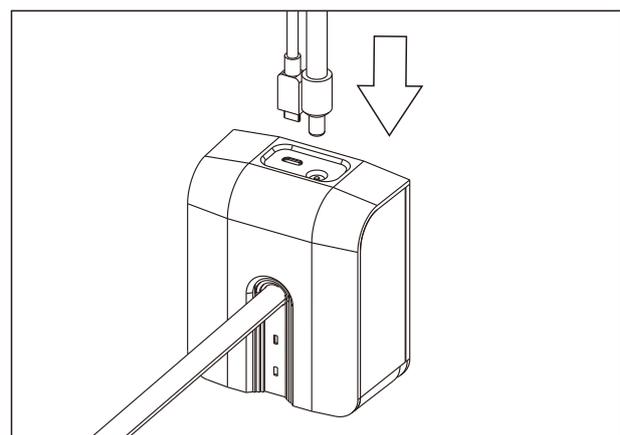
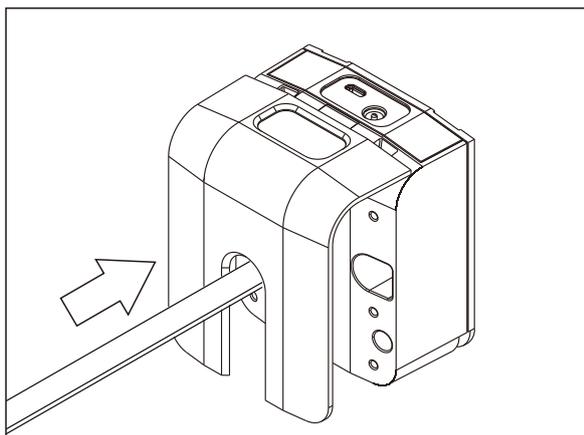


In this case, the laser curtain tilts to the left. Please put some paper sheets into the lower left corner of InterPro and then fix the screws.

6. After the adjustment, please fix the product well and check again if the laser curtain is even.



7. Please put the plaque back, and plug the power cable and Micro USB.



8. Please activate “Go Touch” and adjust the “Touch Sensitivity” appropriately.

Touch Painter Software Installation

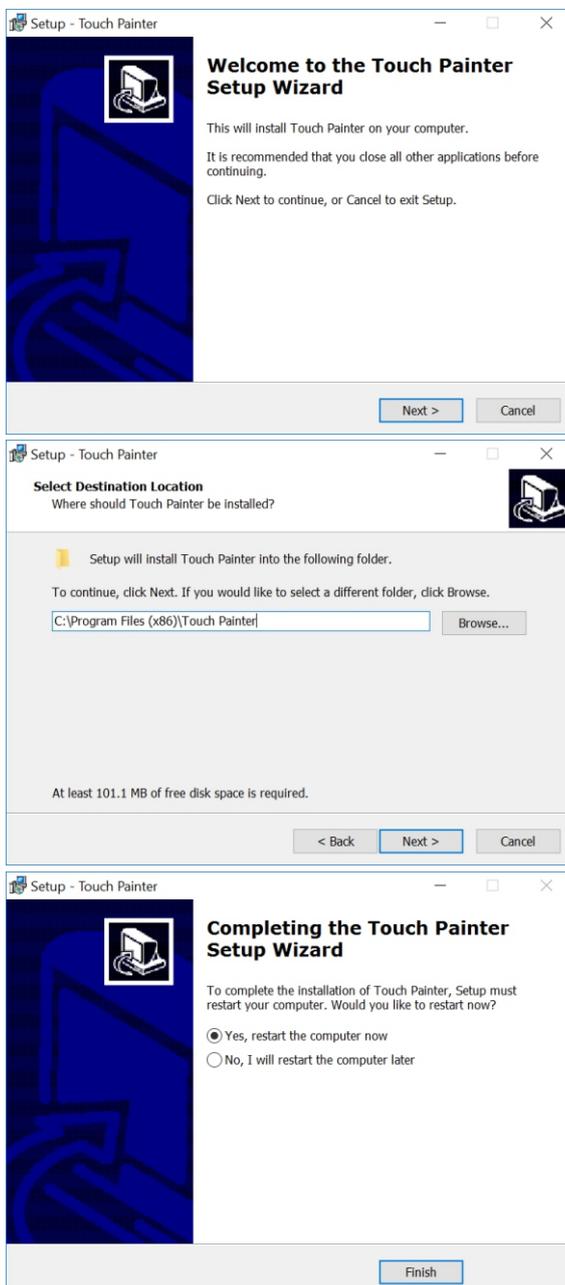
To ensure the interactive function is working properly, please check your computer system to see if it meets the following conditions:

- 1.Operation System: Windows 7 (32bit/64bit) / 8 / 10
(Must be installed. NET Framework 4.0)
- 2.Processor: Intel® Core™ i3 or above
- 3.RAM: above 4 GB
- 4.Smallest hard disk drive space: 110 MB

Touch Painter Software Installation

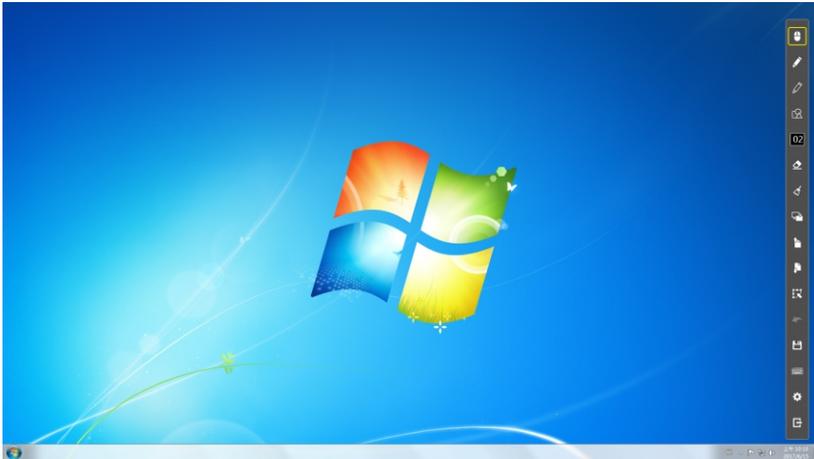
Please plug the supplied USB drive into the computer

- 1.Please click “Touch Painter Steup.exe” and the window will appear as below.
- 2.Please choose the file and click “Next” to install.
- 3.Please wait for a while for the installation to finish.



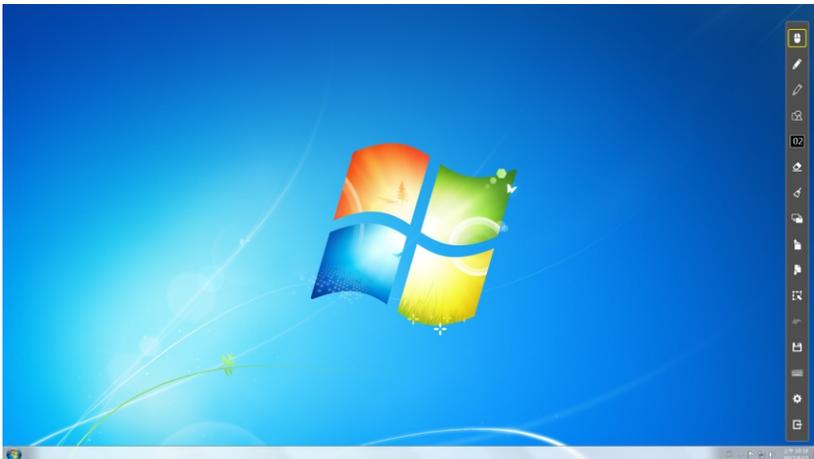
Touch Painter User Interface

After connecting InterPro to your PC with the supplied USB cable, double click the icon “Touch Painter” to start it. You will see the tool bar on the right side as shown below.



Touch Painter Toolbar

Touch Painter supports Whiteboard Mode and Windows Mode. The functions for Whiteboard Mode and Windows Mode will be slightly different. Please check the detailed description of each function Icon shown in the below chart.



Windows mode



Whiteboard mode

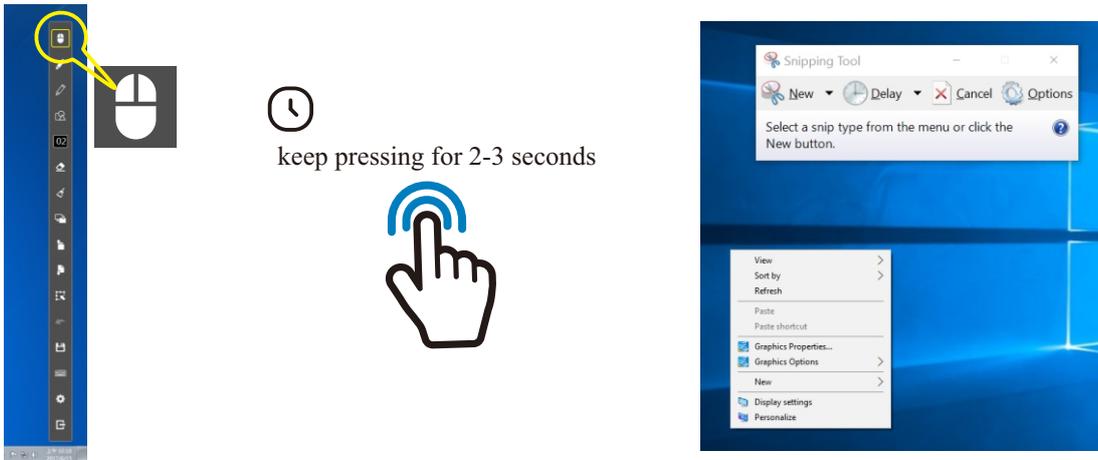
Function of each icon in the tool bar

After connecting InterPro to your PC with the supplied USB cable, double click the icon “Touch Painter” to start it. You will see the tool bar on the right side as shown below.

Icon	Name	Description
	Windows Mode: Mouse	Change function to Mouse
	Pen (Preset Color: Black)	Change function to Pen
	Marker Pen	Change function to Marker Pen
02	Fineness and color of pen	Select the fineness and color of pen (Total 18 colors)
	Drawing tool	 Draw a circle, a square or a triangle
	Eraser	Erase drawing
	Clean all	Erase drawing on the screen all at once
	Whiteboard mode: switch to Windows mode	Switch function from whiteboard to Windows mode
	Windows mode: switch to whiteboard	Switch function from Windows mode to whiteboard
	Windows mode: Page up	Go to the last page
	Windows mode: Page down	Go to the next page
	Edit tool	 Select drawing line as an object. You can enlarge, decrease, or move the selected object.  Rotate the drawing object you choose.
	Whiteboard mode: import background	Import the whiteboard template into background
	Whiteboard mode: import whiteboard	Return to the whiteboard background
	Undo	Undo the last operation
	Save file	Save the current page into file in computer
	Keyboard	On screen keyboard
	Toolbar setting	 Switch the toolbar position to the right/left side  Change the vertical toolbar to a horizontal toolbar
	Exit	Exit the application

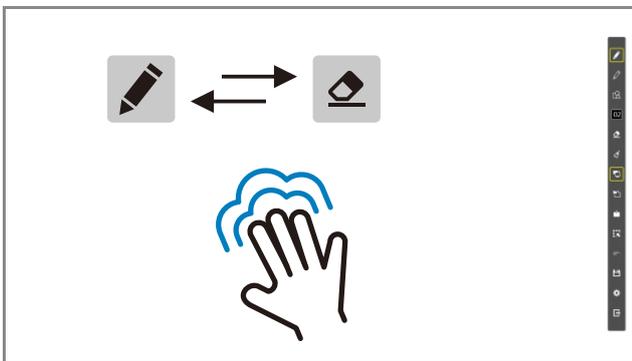
Mouse Right Click Function

Touching the screen on one spot for 2-3 seconds can activate the right click of a mouse function.



Touch Pen & Eraser Switch Function

Touching the screen with 3 or more points at once will switch from Pen to Eraser and Eraser to Pen. Please see the image below:



©Once the touch gesture is recognized, the pen will return to the function of eraser (or vice versa). You can switch between Pen and Eraser by touching the screen with 3 or more points each time.

Troubleshooting

Q: Why does it show and cannot use GO Touch?

A: Reasons for this might be:

- 1.The USB cable is not connected properly between the PC and the projector.
Please check whether the USB cable has been connected.
- 2.Please perform the following operation and check that the application is installed correctly.
Select Device Manager> Imaging Devices> TouchDriver+. Then start “Scan for hardware changes” to check.
- 3.Please use the supplied USB cable. Please contact the reseller if you need a longer USB cable.
- 4.Malfunction of the USB port on computer. Please check if the USB port is functioning or not.
If not, please consult with your IT engineer.

Q: Why can I not execute calibration on the circle target mark?

A: Please check which operation mode you are using (“Touch Mode” or “Pen Mode”) and make sure there is no object blocking the camera of InterPro.

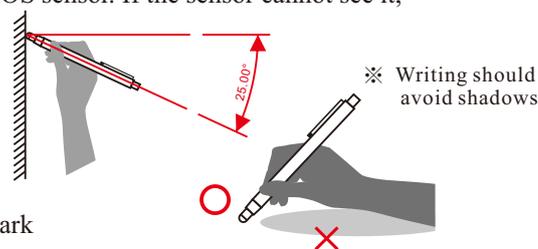
Operation Mode Inspection

Pen Mode

- 1.Please check that the power switch on the Pen is turned on or if the pen battery is low.
- 2.When using the Pen, avoid shadows and maintain the pen 25° or above the projection screen.
Be sure to locate the tip of the light pen in the site of the CMOS sensor. If the sensor cannot see it, the interactive system will not work.

*writing should avoid shadows

*Pen should maintain 25° or above with projection screen



Touch Mode

- 1.Please use a finger to point to the center of the circle target mark when you run calibration and make sure you are not blocking the CMOS sensor.
- 2.Click the “Environment Check” to check whether the laser box is installed properly.

Touch Area Setting & Environment Check

- 1.Avoid having the ambient light directly affect the projection screen or the CMOS Sensor.
- 2.Click “Touch area setting” and check that the border of the green zone is slightly over the projected white frame.

Q: Why is the cursor not at the position pointed to by the Pen or finger?

A: Reasons for this might be:

- 1.The system is not calibrated well. Try to point to the center of circle target mark when you run calibration.
- 2.The position of the projector or the projection distance has been changed. Please run the calibration procedure again.
- 3.The image resolution or the projection screen size has been changed. Please run the calibration procedure again.

Q: Why is the cursor jumping?

A: This may be caused by strong ambient light interference.

Try to avoid strong ambient light interference (especially strong sunlight directly projected on the screen) and also adjust the “Touch Sensitivity” level accordingly to solve the problem.

Please check the website <http://interpro-en.weebly.com> periodically for updates to the InterPro, GO Touch, and Touch Painter software.