Operating Instruction

Physical map	product name	Quantity（pcs）
	Remote control	1
	Power cable	1
	User Manual	1
	Capacitive pen	1
	HDMI	1
	TOUCH	1
	Wifi dongle	1
	Wall mounting Brackets	1
	screw (set)	1
	IWB pen	2

Contents

Mounting Instruction

1.Loading Bearing

The user could install the panel on the wall or mobile stand according to their own needs.

When using mobile stand installation, please choose the one from the manufacture (Optional accessories). If you purchase yourself, be sure the stand could bear at least the 4 times weight of the panel and put it stability.

When using a wall-mounted installation, the mounting surface should be sturdy and strong enough to carry, and should not be less than 4 times the actual weight of the panel. When the installation surface is a wall or a roof of a building, it must be solid brick, concrete or an installation surface equivalent to its strength. If the installation surface is a loose material installation surface (such as old-style house brick, wood, solid brick, etc.), and metal, non-metallic structure, or the installation surface decoration layer is too thick, its strength is obviously insufficient, it should take appropriate reinforcement And support measures to prevent potential safety hazards.

2.Heat Dissipation

Requirements	Safety distance between the panel and the mounting surface (mm)			
Monitor power	Left and Right	Top	Bottom	Back
≥ 100W	200	200	200	100
Notice	*When wall-mounted, the safety depth of the wall-bolt should be greater than 10mm; *Make sure not to block the ventilation holes.			
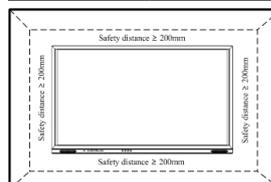
3.Installation steps

Accessories：

M8 Setscrew * 4pcs
M8 Hexagonal screw * 4pcs
Mount kit * 1pc
Hanger * 2pcs
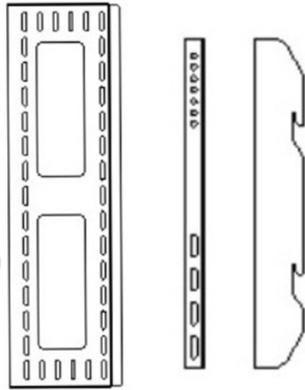
❶ **Fix the mount kit**

Using the M8 Hexagonal screw fix the 2pcs mount kit on the back of the interactive touch monitor as showed in the picture.(note: 1.keep the 2 pcs mount kit at the same height. 2. Do not hang upside down or by vertical)

x4
x2

❷ **Fixed the Hanger**

H   H
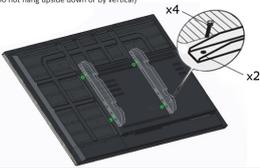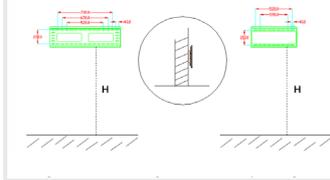
❸ Fix the mount kit and hanger together

The interactive touch monitor hanging effects

The touch monitor shoud hanging by vertical ground
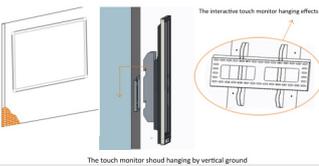
❹ Finished Installation

3.Connect the Audio Cable Use 3.5mm Audio Cable connect PC audio output with the interactive flat panel audio input (Please reference the port function instruction)	
4.The USB Cable Connect External touch USB Cable one end connect the USB port which on the interactive flat panel,the other end connect the USB port of EXT Computer (Please reference the port function instruction)	
5. Connect the Power Cable The Interactive Flat Panel power-on	
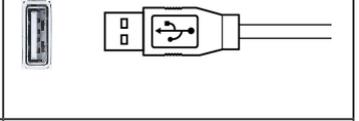
Front Interfaces Instruction

Front Interfaces	Function Instruction
Picture	
	Used to connect an external storage device, such as a USB disk
	Used to connect an external storage device, such as a USB disk
	Used to connect an external storage device, such as a USB disk
	can be used to connect external device with the panel to achieve the touch
	HDMI signal input, can send audio and video signals

Quick installation - Built-in OPS(Optional)

Connect built-in OPS, same as image，Connection is complete，Just connect the power cord to power on

Quick installation - External computer

| 1. HDMI Cable Connect PC

Connect the HDMI port of the interactive flat panel and the HDMI port of the PC through the HDMI cable(refer to the port function description for details) | |
| 2. VGA Cable Connect PC

Use VGA cable connect the VGA part of the interactive flat panel and the PC (If use the VGA,need connects the Audio Cable to output the vioce,Please reference the port function instruction) | |
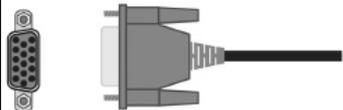
Front button Instruction

Key	Functions
Picture	
	Red is standby, blue is turn on
	Power, Turn on/off
	Choose different source channels
	Return back
	Main menu
	TV Menu
	Volume up
	Volume down

Port Function Description

RS232	Can be used to external devices by via RS232 port
RJ45	Used for data transmission, the most common application is the network card interface
VGA IN	VGA video input interface
VGA Audio IN	VGA Audio input
MIC IN	Microphone input
EARPHONE	can be used to connect the earphone and sound device.
SPDIF	Audio optical fiber interface, this must be used with the corresponding peripherals, is to output the sound signal to the power amplifier through the optical fiber line
Speaker	uesd to connect with loudspeaker equipment
USB2.0	used to connect with external storage devices, such as USB disk
DP	External devices can be input by DP to achieve the dual display of local and eternal display.
HDMI IN	HDMI signal input, can send uncompressed audio and video signals
TOUCH USB	can be used to connect external device with the panel to achieve the touch
HDMI OUT	HDMI signal output, export HDMI signal to other devices for playback
Android USB 3.0	used to connect with external storage devices, such as USB disk, U HD and mobile HD
TYPE-C	Support USB standard charging, data transmission, display output and other functions

Remote Control Instruction

Functions description:

⏻	Power switch： Press the power button to turn on and off
ⓧ	Mute：Sound on/off；
0-9: Number (CHO) as space key in OPS；	
Alt+tab	Windows change key in OPS
Alt+F4	Windows closing key in OPS
⊞	Right key in OPS mode
▤	Right key in OPS mode
▲▼◀▶		Upldown/lef/right/enter key：
✎	Whiteboard sofware open in OPS：
Esc/EXit	Exist from curent operation or menu
Pgup/PGdn	Page un/down key in OPS mode
VoL+/voL-	Voice increase/decrease
CH+/CH-	TV program No.
Input	Selection ofi nput-signal source
Menu	Open/close the menu
Enter	Enter
Reset	Reset key of the touch screen
🔆	Open/close the backlight
PC	Internal OPS PC shortcut key
VGA	Shortcut key of VGA signal mode
HDMI	Shortcut key of HDMI signal mode
MEDIA	Shortcut key of MEDIA signal
Display	Display the program
P.Mode	Select the scene mode
Sleep	Timing sleep power off
S.Mode	Select the voice mode
F1	Help
F2	Rename
F3	Search files in the resource
F4	Address list in IE
F5	Refresh
F6	Resource manager
F7	Windows media player voice off
F8	Windows media player voice
F9	Child lock
F10	Word Excel files saving
F11	IE full screen
F12	Windows media player open the file

Note:

⚠ To ensure good operation performance of the remote control, if it is found that the operation is abnormal, please replace the battery and try again.

⚠ Please do not mix new and old batteries or different types of batteries.

⚠ When the battery power is weak, electrolyte leakage will occur, which will damage the remote control. Once the power is weak, replace the battery as soon as possible.

⚠ If you will not use the remote control for a long time, please remove the battery to avoid electrolyte leakage.

⚠ If you will not use the all-in-one for a long time, please disconnect the power plug

Power, Turn on/off Systems Instructions

Power Turn on

1、Press the Power button on the remote control or panel to turn on，the power indicator light changes from red to blue

Power Turn off

1、Press the panel Power key，enter the normal turn off process
2、Dual system is ne button to turn off, just press the side Power button
3、After the computer is completely turned off, automatically enter standby

System software Instruction

The main page

Turn on the interactive flat panel, after the application is loaded，the main page shown below，Operation method：Direct touch selection，Click the icon to enter the corresponding program.From the main page, you can directly select the shortcut entry method of the icon on the interface.

The main page of the education system is shown in the figure：
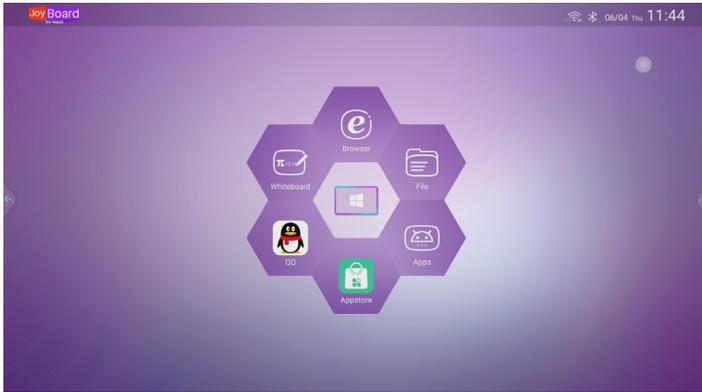
The main page is mainly divided into logo (can be modified by OEM), network status, Bluetooth, time and date, desktop program bar, shortcut menu bar, video channel, side control center:

Main page icon function	
1	Logo part can be modified as customer logo through OEM service
2	Network, Bluetooth, real-time display network (2.4G / 5G can be displayed) and Bluetooth connection status
3	The time and date part, under the network status, the current time and date are displayed in real time. The user can set the time zone, date, time, etc. through the setting menu
4	Return to the upper menu, return to the main menu, open the background running program to select or close, open the screenshot program, open the annotation mode
5	Floating ball: turn on annotation mode
6	In multi-channel mode, users can easily select the current video channel
7	The main menu bar of the desktop program is preset with Umind, web browser, Ufile, APPS and OPS channels. Two columns can be added, and users can add common programs to the desktop by themselves

Side control center divided into five parts: time and date, gadget, theme, scene, bottom shortcut bar:

Date	Time and Date
Gadget	Including WIFI / free screenshot, screen recording, screencasting, calendar, frozen screen, timer, calculator
Theme	Available in purple, blue and green
scene	Classrooms, meeting rooms, exhibition halls, and living rooms can choose to set shortcut gesture programs, screen brightness, sound size, etc. in corresponding scenarios
Shortcut gesture	It is divided into four directions: up, down, left, and right. The user can set according to his own preferences. After the setting, the user can implement the gesture to quickly open the program on the main interface
Bottom shortcut bar	Shutdown key, multi-channel, OPS channel, setting menu

shortcut menu

Click the shortcut menu on either side of the screen, In any case, the following interface appears on both sides of the main page：
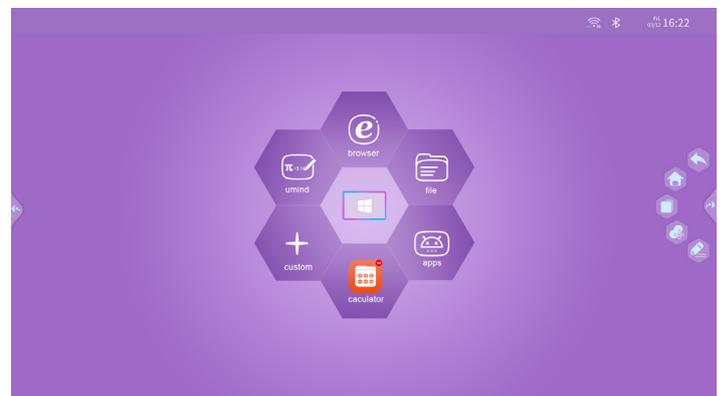
Click the shortcut menu on either side of the screen, the expanded function keys are the back key, Home key, background key, Ucut key and annotation key.

When the sidebar is expanded, if there is no operation, it will be hidden automatically after 3S.

Back key: return to the upper menu

Home key: return to the main menu

Background key: open the background running program to select or close

Ucut key: Open screenshot program

Annotation key: Turn on annotation mode

Screenshot, Click on the icon to take a screenshot of the current interface：

Use the whiteboard to swipe off the sides of the screen and click the key：
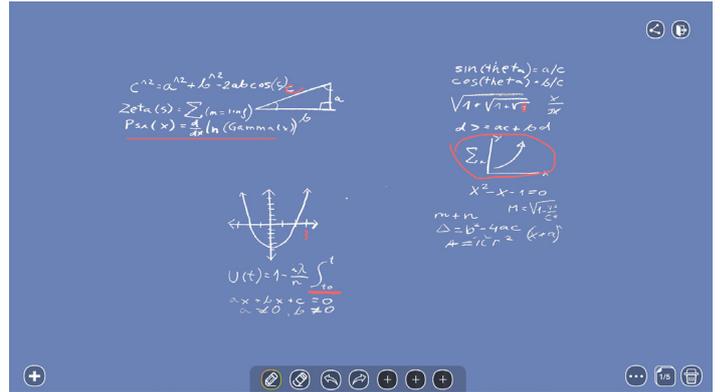
Use for annotation, swipe up from the sidebar or Floating ball,Click the icon ，
No matter on which interface, annotations can be made on that channel：
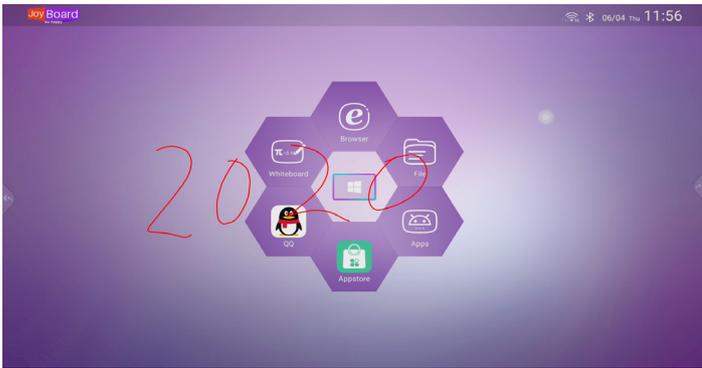
Channel switching：

The main board has its own automatic identification channel switching function. You can also switch channels manually, swipe off the sides of the screen, Click on the icon and click directly to select the channel:

Press Recent task key , choose any two apps to display in split screen, And can adjust the relative windows of the two applications, Split screen use, split screen operation ：
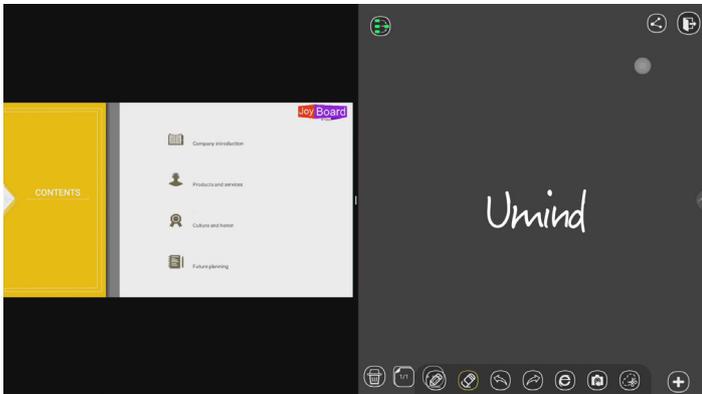
Application List

Description of common functions：

setting menu

The system setup menu can be divided into three major modules, general modules,wireless and network modules,, and system modules.

1、1.Individuation: display device name and local MAC：
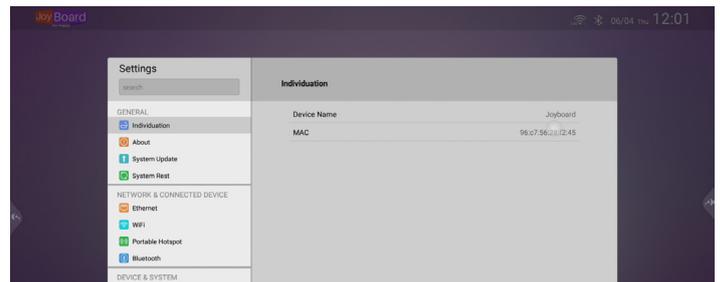
2.About: Display hardware related information, and company-related information that can be customized by OEM:

3.system update: Users can choose OTA online upgrade, As well as using USB perform local upgrade package upgrade：

System:

In the system module interface, it is mainly for language and input method, account, factory reset, date and time, local upgrade, device and other function settings.

Local upgrade：

System firmware update, update method: copy the firmware to the root directory of the U disk, U disk to the multimedia USB interface of the all-in-one, select the local upgrade update.
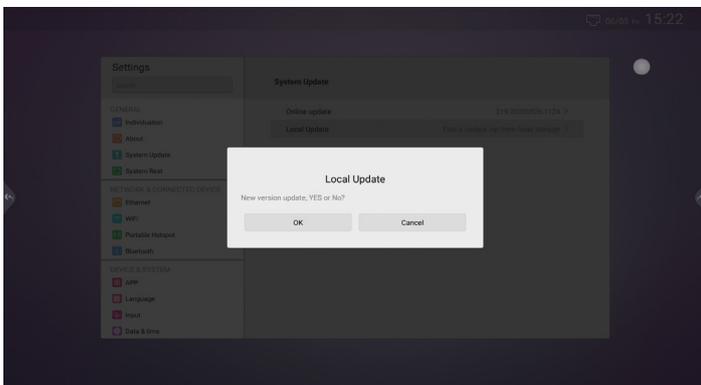
Wireless and Network:

In the wireless and network module interface, it is mainly set up for Ethernet, WIFI, portable hotspot and bluetooth.

1.Ethernet:Display information such as IP, gateway, subnet mask, and DNS：

2.WIFI: When open, it will refresh to all nearby WIFI list to connect. Customers can customize to add hidden networks, including 2.4G / 5G dual channels:

3.Portable Hotspots：The hotspot function will be open when you choose to turn it on. You can customize the name and password:
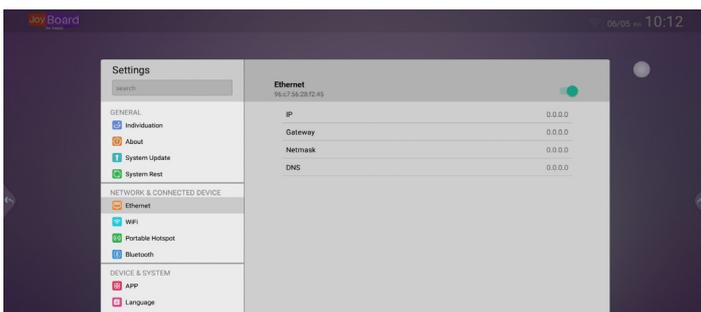
4.Bluetooth: After opening, you will get a list of nearby Bluetooth devices and make a Bluetooth connection：
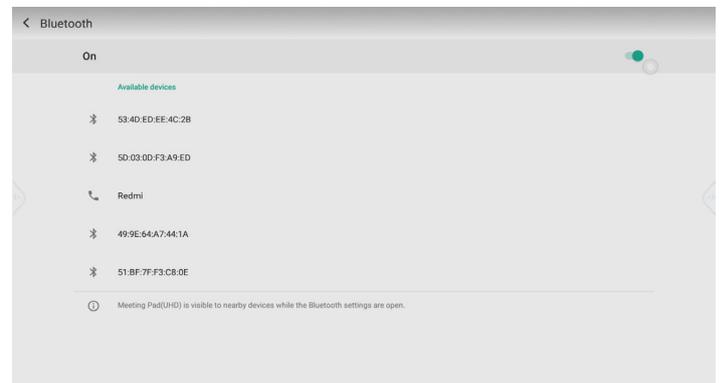
5.Equipment and system part:APP management, users can choose to delete APPs other than system presets：
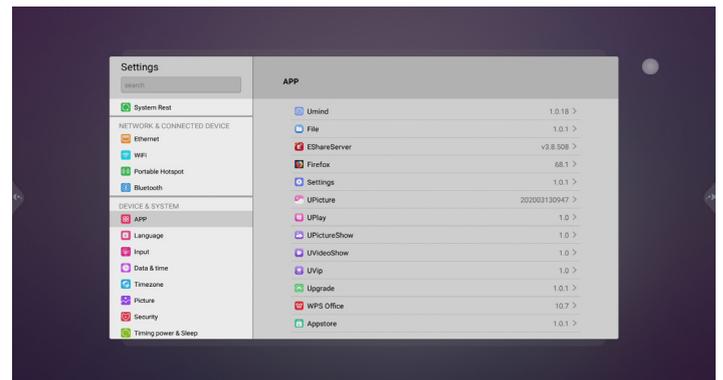
Whiteboard software description

1. Install

1.1.Double click Setup Whiteboard V3.0.exe as image1.1-1，and then select language that you want for the software. Please refer to image 1.1-2：

image1.1-1   image1.1-2

1.2.After selected language, please click "OK", then following image come out; please select ;"Next Step" to go ahead.
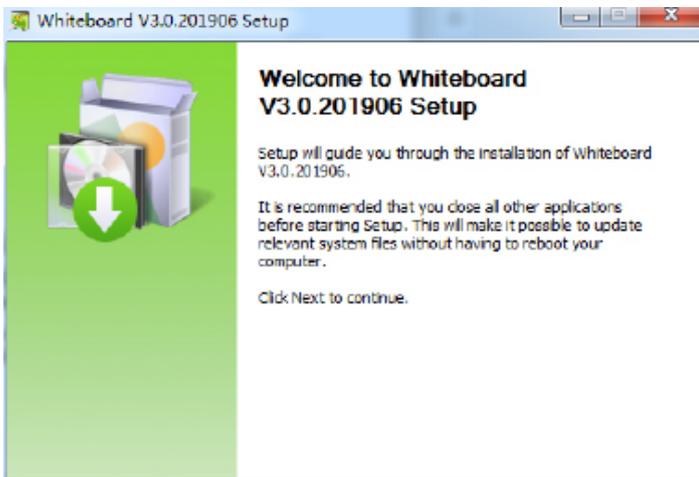
1.3.At this time, the software installation directory selection interface shown in Figure as beblow，can click Browse to select the installation directory again.
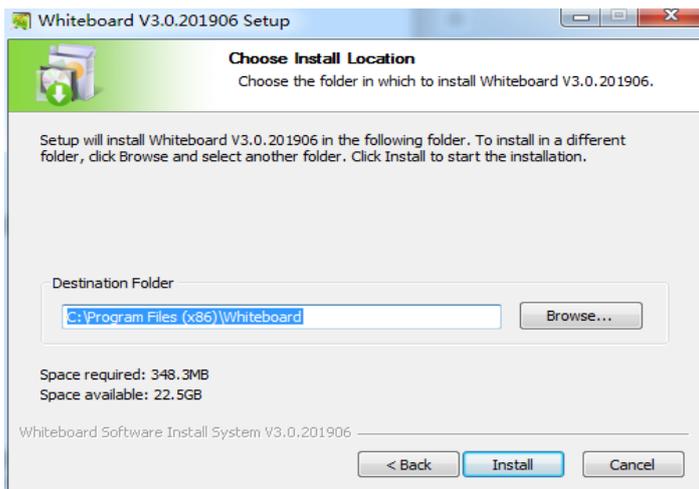
1.4.After selecting the installation directory, click the "Install" button to start the software installation, same as image below:
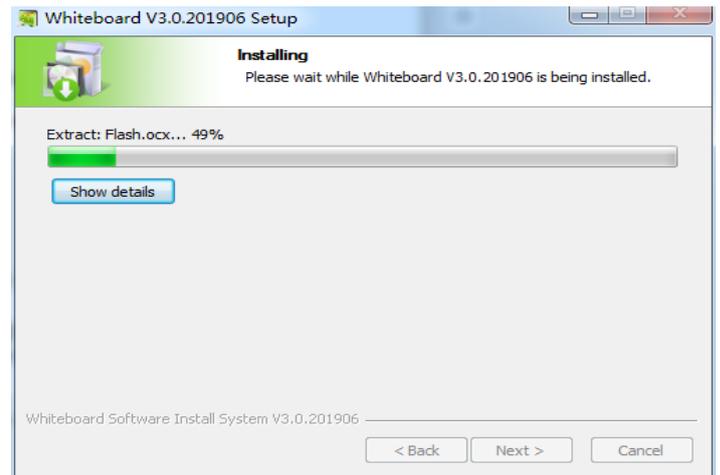
1.5.After the software installation completion interface shown in Figure as below show, you can check "Run Whiteboard V3.0" and click "Finish" to open the software directly.
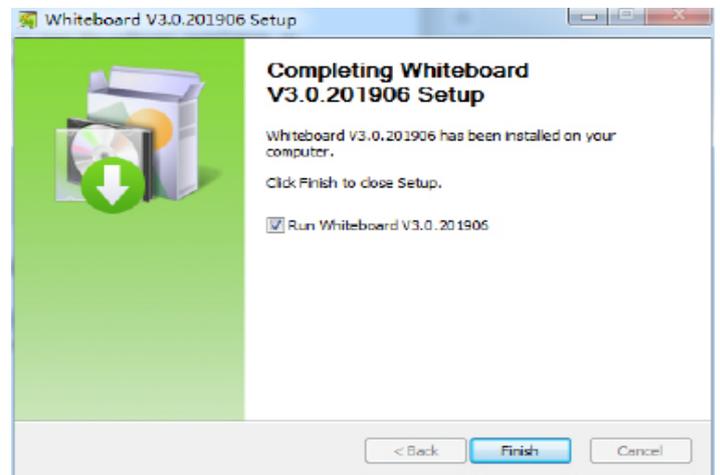
2. Uninstall

2.1.If you want to remove the software from your computer, can click "start" in the computer task b ar->"all programs", then find the software installation directory Whiteboard V3.0 click "uninst"，same as image 2.1-1.

Image2.1-1

Or you can directly find "uninst.exe" in the installation directory and double-click to run, same as image 2.1-2.

Image2.1-2

2.2.Click"Uninst" and will show following image as 2.2-1。

Image2. 2-1

2.3 click "Next Step", it will show Whiteboard uninstall page same as image2.2-2。

Image2. 2-2

2.4.if you don't want to uninstall, please select Cancel. If yes, then please select "Uninstall" .When the green progress baron the right side, it is uninstalling, please refer to image 2.2-3.
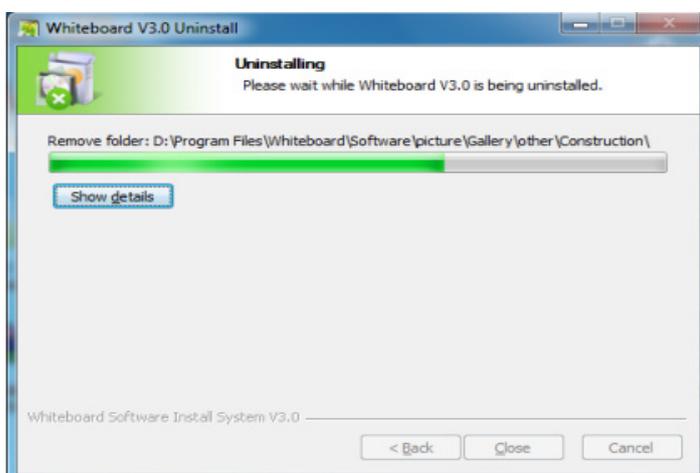
Image2. 2-3

3. Software function use

Please select "Help (H)" from the software page-> "help"，same as image

 See detailed function instructions.

4.WhiteBoard Service software function

4.1 Device connection

After installing the software, there will be an icon on the bottom right toolbar of your computer, right click it you will see below window:

4.1.1 Grey means your computer doesn't connected with a computer or doesn't connected well.

4.1.2 Green means the computer has connected with an IWB and it is multi-touch .

4.1.3 Orange means the computer has connected with an IWB and it is single touch.

4.2 Menu Function

4.2.1 "Language": Set the language of the interavtive whiteboard service software.

4.2.2 "Calibrate the whiteboard": The projection area of the calibration screen on the interactive whiteboard.

(1)
Interactive whiteboards are single-touch devices (support Windows XP, Vista 32-bit or 64-bit, windows7 32-bit or 64- bit system)

When entering the calibration screen, a blue screen will appear（same as image 10), A white frame will appear on the four corners of the screen, Please hold your finger on the frame for 2 seconds, After locating a total of four points, the calibration screen is completed, the whiteboard can be used normally. During the process of calibrating the screen, if you want to exit calibration, please press any key on the keyboard to exit.

(2)

Interactive whiteboards are multi-touch devices (Support Windows7 Ultimate 32-bit or 64-bit, Windows7 Professional 32-bit or 64-bit)

When entering the calibration screen, 16 point calibration or 4 point calibration will appear（same as image 4.2.2-2）, and on the four corners of the screen, black frames will appear in order, Please hold your finger on the frame for 1 seconds, the calibration screen is completed, the whiteboard can be used normally. During the process of calibrating the screen, if you want to exit calibration, please press any key on the keyboard to exit.

（⚠Note：The calibration of multi-touch devices only supports windows7 system. If you use the interactive whiteboard in XP or other systems, please switch to single touch)
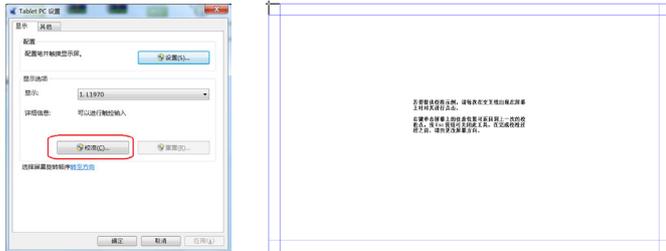
image4.2.2-2
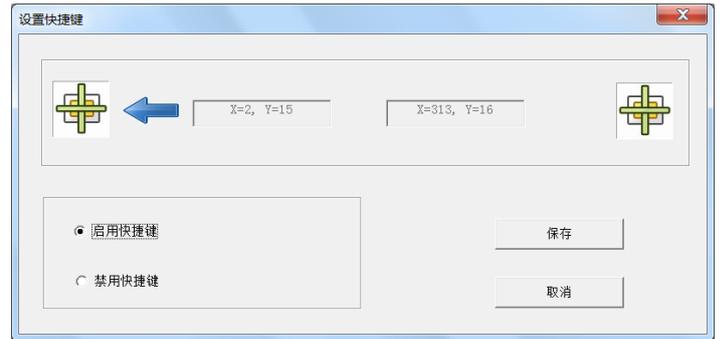
4.2.3 "Setting"：Set the device type of the electronic whiteboard.

When click the setting, there will be a dialogue appear on the screen, you can choose between single touch and multi-touch, same as image show below：

Choose the type of equipment you need, Click "Setting",If the setting is successful, the setting dialog box will automatically close, and the interactive whiteboard will automatically restart / connect（About 2 minutes）,The icons and in the lower right corner of the computer cross and flash, until the device switching is completed.

4.2.4 Features unique to single-touch devices：禁止右键 禁止PPT批注 设置快捷键 , When the interactive whiteboard is a single-touch device, these three menu items can be operated and its functions are effective.

(1)

Right button, when the interactive whiteboard is a single-touch device, your finger stops on the whiteboard for about 2 seconds, and a small icon appears Release your finger to pop up the right-click menu. "Disable Right Click", Select this item, right click can't use.

(2)

"Disable PPT Notes", When the interactive whiteboard is a single-touch device, PPT annotations can be made by default. Select this item, PPT Annotation can't use.

(3)

There are 15 shortcut keys on the electronic whiteboard, which can be used to operate the teaching software. "Set shortcuts", can calibrate the position of the shortcut keys on both sides of the interactive whiteboard and enable or disable the shortcut keys. Operation process：According to the icon pointed by the arrow on the dialog box, click the icon on the shortcut key on the whiteboard, click twice in total, and finally save the device. Shortcut key settings dialog, same as Image below：

Certified product