



# i3TOUCH

## User Manual

**i3TOUCH P5510**

**i3TOUCH P6510**

**i3TOUCH P7510**

**i3TOUCH P8510**



**i3-TECHNOLOGIES**

[www.i3-technologies.com](http://www.i3-technologies.com)

# Important Safety Information

Please read and understand all safety information before installing and using this product. Follow all instructions marked on the product and described in this, or other documents to ensure a safe use, maintain the full service life, and bring the best performance of the product into full play. Pay attention to all the usage and installation warnings and safety precautions. Store this user's manual near the product for later reference, and to instruct all future users of this product.

## Intended Use

The i3TOUCH units were designed as an interactive touch display, and should only be used as such, as this product has considered the personal safety factors in its design, and has been tested thoroughly on safety, quality, and performance before delivery.

## Safety Precautions



### DANGEROUS VOLTAGE

The lightning flash with arrow head within a triangle is intended to warn that parts inside the product are a risk of electric shock.



### ATTENTION

The exclamation point within a triangle is intended to warn users that important operating and servicing instructions are mentioned.

## Definitions of Safety Terms

The following indicators notify a safety of product warning, caution, or note. Read them carefully when displayed in this document, or on the product, and heed its instruction.

 **DANGER** indicates an imminent hazard. If you fail to avoid this hazard, it will cause serious injury or death.

 **WARNING** indicates a potential hazard. If you fail to avoid this hazard, it could cause serious injury or death.

 **CAUTION** indicates a potential hazard. If you fail to avoid this hazard, it may cause minor or moderate injury, or may cause property damages.

 **NOTICE** indicates information of special importance.

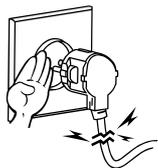


To prevent electric shocks, do not remove the covers of the unit. There are no user-serviceable parts inside, and internal servicing should only be performed by qualified, i3 verified personnel. Refer to your i3 Support contact.

## Important Safety Information

### **WARNING – Electric Safety**

Follow all precautions to prevent electric shocks or fire, which could cause serious injury or death.



Do not use a damaged power cord or plug, or a loose power socket. Contact an electrician if you notice any damages to the wall socket, or the power supply cord.



Do not use multiple products with a single power socket. Parallel powering many devices can fail or overheat power sockets.



Do not touch the power plug, wall outlet, power cord, or any other electrical components with wet hands.



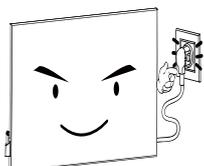
Do not place the product or power cord on, or near heat sources.



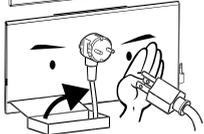
Do not place heavy objects on the power cord. This may damage the power cord, which may result in electric shock or fire. Immediately replace the power cord when any damage is noticed.

### **CAUTION – Electric Safety**

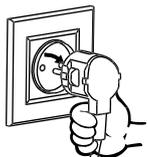
Follow all precautions to prevent electric shocks or fire, which may cause minor to moderate injury, or property damage.



Do not disconnect the power cord while the product is in use. Always properly power down the display, before disconnecting the power supply, to prevent product damage.



Prefer the power supply cord that is delivered with the unit. Do not use any other power supply cords before checking (and verifying) its electrical safety compliance.

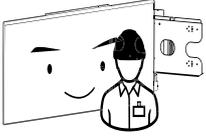


When disconnecting the power cord from the wall outlet, do not pull the cord. Grip the plug, and pull the plug straight out the power outlet.

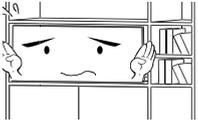
# Important Safety Information

## **WARNING – Installation**

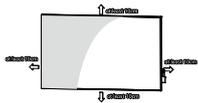
Follow all precautions to ensure a safe installation process, and the later use of the product.



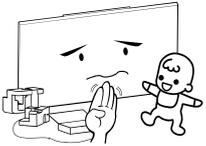
Always have an experienced technician install the wall mount of the display. Installation by unqualified personnel may result in injury of the installer or user.



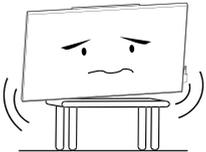
Do not install the product in poorly ventilated spaces, such as cabinets or closet. Without effective ventilation the internal temperature may raise, which can result in product damage, or even fire.



Install the product at least 10 cm away from the wall to allow proper ventilation. Mounting the product too close to the wall, with other wall mounting methods, may block the ventilation flow to the intakes.



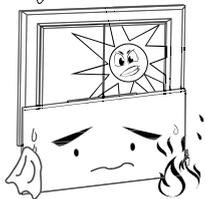
Keep the plastic packaging and smaller accessories away from children. Children may suffocate, or swallow the smaller parts.



Do not install the product on unstable surfaces, like insecure shelves or sloped surfaces, etc. The product may fall and become damage or cause an injury. Using the product in an area with excess vibration may damage the product, and even cause a fire.



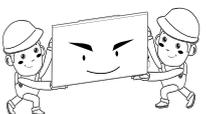
Do not install the product in a location that is exposed to dust, moisture, humidity, oil, or smoke. Fire or electric shocks may result from excess of these exposures.



Do not expose the product to direct sunlight, heat, or heat sources like radiators or stoves. The product's lifespan may be reduced or a fire may result.

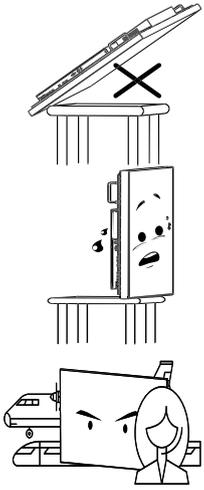
## **CAUTION – Electric Safety**

Follow all precautions prevent product or property damage, and prevent minor injury.



Do not drop the product while moving. Before carrying the product, make sure everyone is informed about the product weight, there is the required amount of personnel to help, and that the carry-path is cleared from obstacles beforehand.

# Important Safety Information



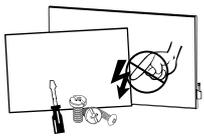
Do not place the product face down. The glass of the display may become damaged.

Make sure that the product is always properly supported and secured, to prevent the product from falling. When installing on a table-mount, make sure that the product is not placed near the edges, where it may fall.

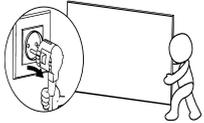
Installing the product in an unusual place (exposed to fine particles, chemical substances, extreme temperatures, or a public place where the product should operate continuously for a really long period), may seriously affect its performance.

## **WARNING – Operation**

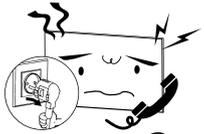
Follow all precautions to ensure a safe use of the product, and prevent minor, or moderate injuries.



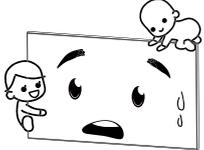
There are high voltages inside the product. Never disassemble, repair or modify the product. Do not open the external covers, or poke through the ventilation holes with any foreign object. For repairs, contact your authorized i3 Support contact person.



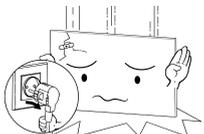
Before moving the product, turn off the power switch and disconnect the power cord, antenna cable, and all other connected cables.



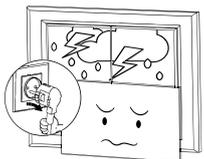
If the product generates abnormal sounds, a burning smell, or smoke, disconnect the power cord immediately and contact your i3 Support contact. Do not continue to use the product.



Do not let children hang from the product, or climb on top of it. Children may become injured or seriously harmed.



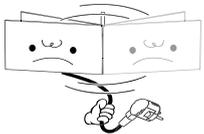
If the product is dropped or the outer case is damaged, turn off the power switch and disconnect the power cord. Then, contact your i3 Support contact, and do not continue to use the product. Continued use may result in fire or electric shock.



During a lightning or thunder storm, power off the product and remove the power cable from the wall outlet. A fire or electric shock may be caused by a lightning strike.



Do not drop objects on the product, or have products force impact.



Do not lift or move the product by pulling the power cord or any other cable. Product failure, electric shocks or fire may result from damaged cables or parts.

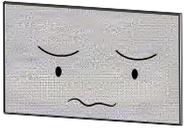
# Important Safety Information



Do not use or keep combustible sprays or inflammable substances near the product. An explosion or fire may result.

## **CAUTION - Operation**

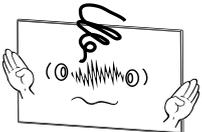
Follow all precautions to ensure a safe use of the product, and prevent product or property damages.



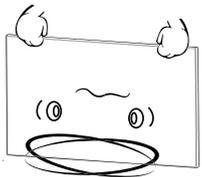
Leaving the screen fixed on a stationary image for an extended period of time may cause image burn-in or defective pixels. Activate Power-Saving Mode or a moving picture screensaver if you will not be using the product for a while.



Disconnect the power cord from the power socket if you do not plan on using the product for a longer time. Dust accumulation with heat can cause a fire, electric shocks, or electric leakage.



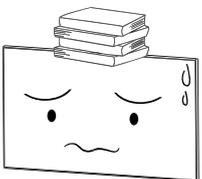
Use the product at the recommended resolution and frequency, to prevent eye strain. Caution should also be taken with the use near persons with an epileptic condition. These persons may experience seizures when viewing certain kinds of flashing lights or patterns.



Do not hold the product upside-down or move it by holding the stand. The product may fall and become damaged and may cause an injury.



Do not use humidifiers, stoves, or air-conditioning around the product. It may cause fire or electric shocks.

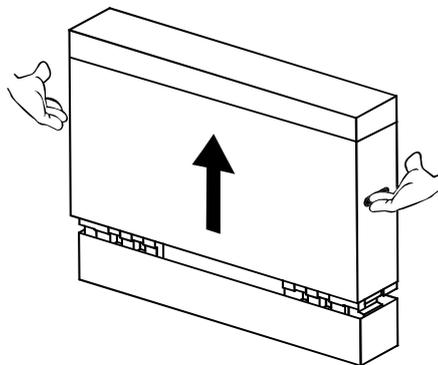
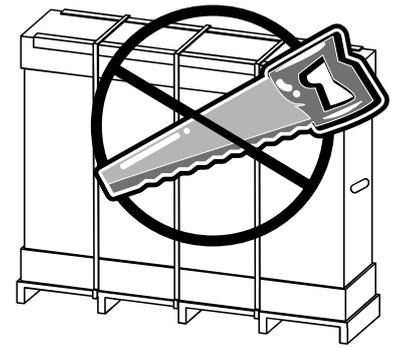


Do not place heavy objects on the product. Product or installation failure may happen, which can result in personal injury.

## Remove packaging materials

The i3TOUCH is always packed on a pallet, combined with packing lint. Move the box to an open location before you remove the packing lint around the box. You cannot move the box anymore when these lints are cut.

Be careful not to damage the product when you open the packaging with sharp tools.



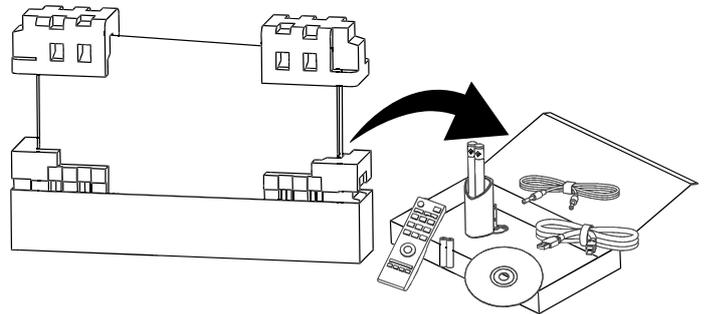
## Open the box

Use the openings in the box to lift and remove the top of the box.

## Unpack

Unpack the smaller contents of the box. Check the table below and verify if all accessories are included in the box.

Remove the styrofoam and plastic bag from the product.



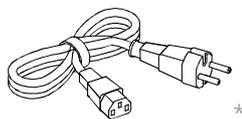
## Storage

Store the packaging of the i3TOUCH in a dry location, so that the packaging can be used to move or relocate the product in the future.

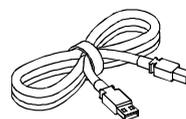
## Verify contents



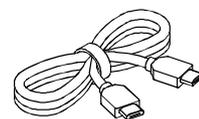
i3TOUCH display



Power Cord \*



USB cable 3m



HDMI cable 3m



Remote control + batteries \*



Stylus holder



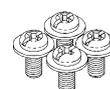
Stylus x2



Wi-Fi USB dongle



User Manual

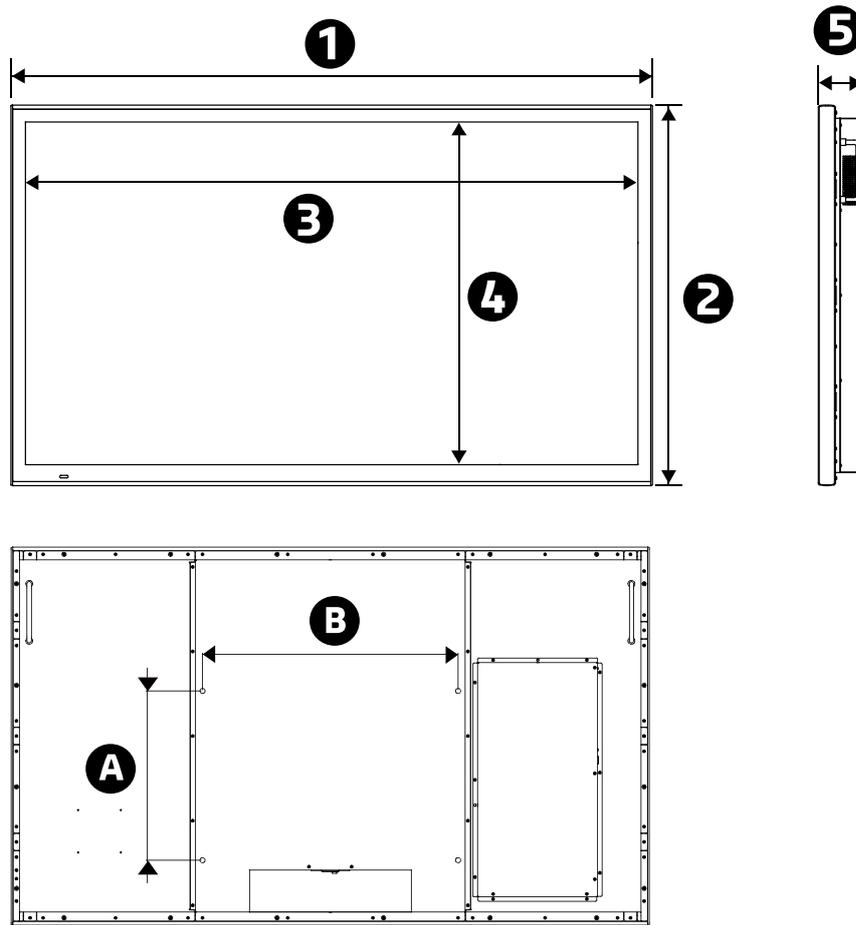


Screws

\* Components may differ in different locations.

## Dimensions

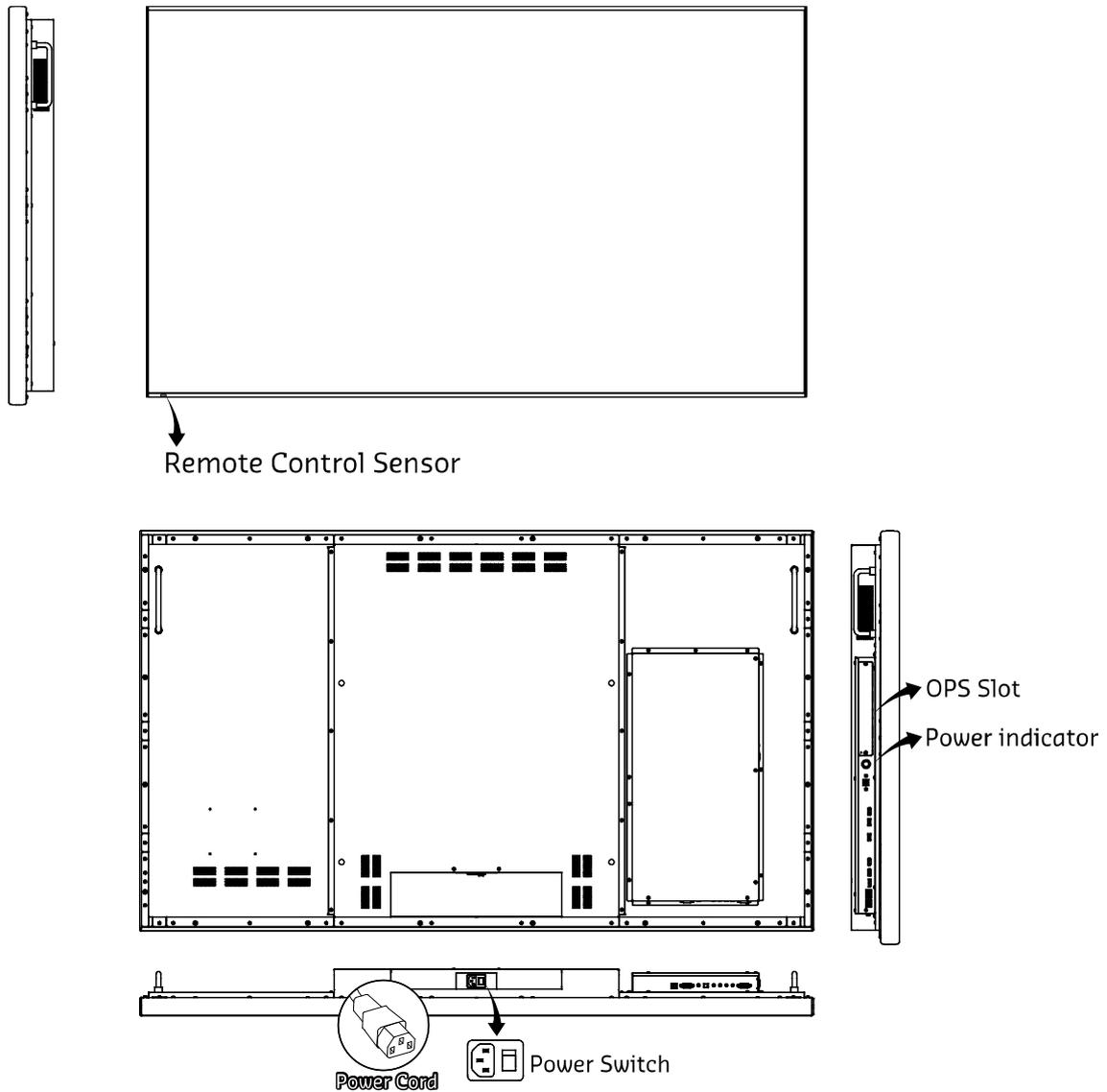
(The following dimensions are not necessarily to scale. Some dimensions are subject to change without notice. Refer to the dimensions on product sheets prior to installing the product.)



(Unit: mm)

Model Name	1	2	3	4	5	VESA hole (AxB)
<b>i3TOUCH P5510 4K</b>	1280.0	781.0	1212.0	683.0	96	400x400
<b>i3TOUCH P6510 4K</b>	1498.2	894.2	1430.0	806.0	103	400x600
<b>i3TOUCH P7510 4K</b>	1801.2	1090.2	1650.9	920.9	109	400x600
<b>i3TOUCH P8510 4K</b>	2040.2	1242.2	1875.0	1056.0	120	400x600

## Main Features



## Display Technology

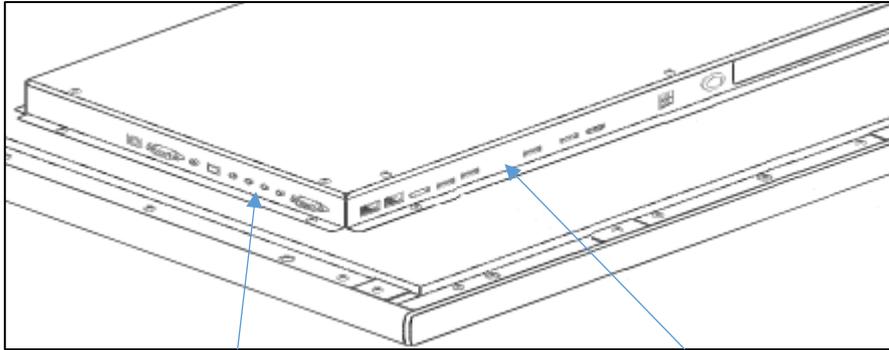
The i3TOUCH Premium series displays consists of a (LED/TFT) LCD panel and microprocessor-controlled main board. It is designed to meet the demanding and rigid performance requirements of education, schools, public premise, corporate and industrial applications.

## Power Switch

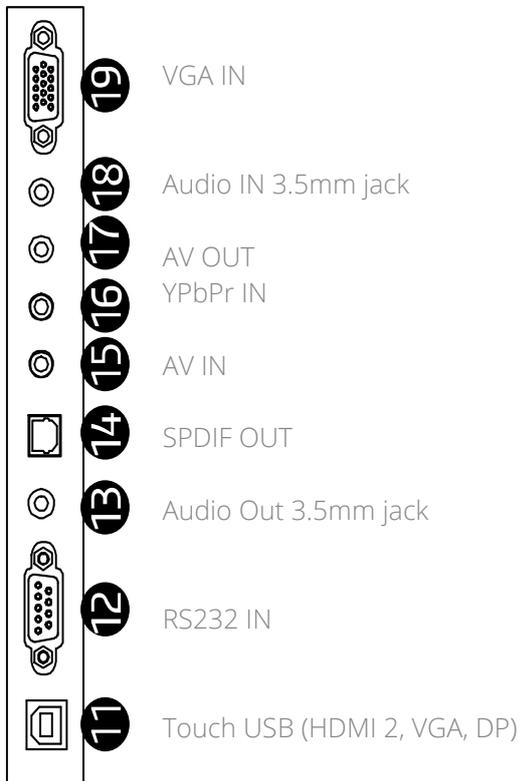
The power supply and the power switch are located at the bottom of the display.

## I/O Interface

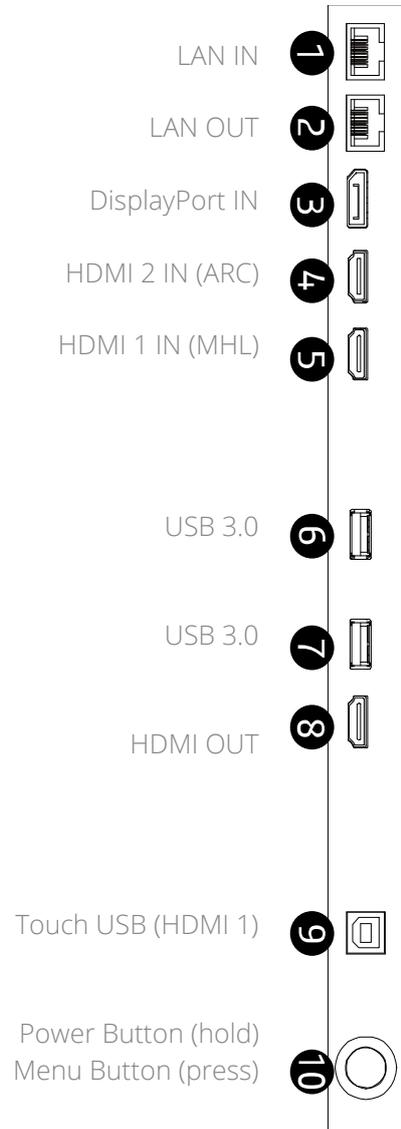
The touch display's input and output connectors are located at the rear, on the left side and bottom of the display. They are shown in the images below and described in the following paragraphs. Please note that connectors may vary in some derivate models. Please refer to the individual product sheets for verification.



### Bottom ports



### Side ports



## Wall-Mount

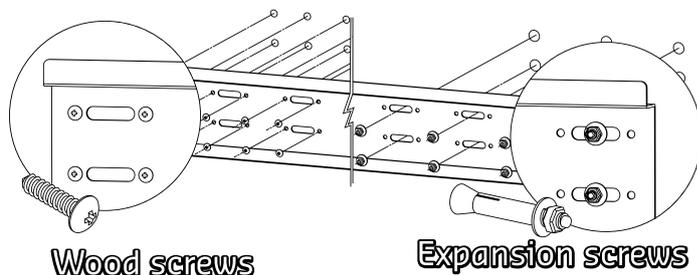
Following are brief instructions to wall-mount the interactive i3TOUCH display. More information can (and should) be found with the instructions included in the box of the wall mount. Please read and understand all instructions thoroughly.

## Wall Bracket

Mount the wall bracket to the wall as the installation instruction prescribed. Verify the proper orientation of the bracket. The profile should protrude upwards, like the picture below.

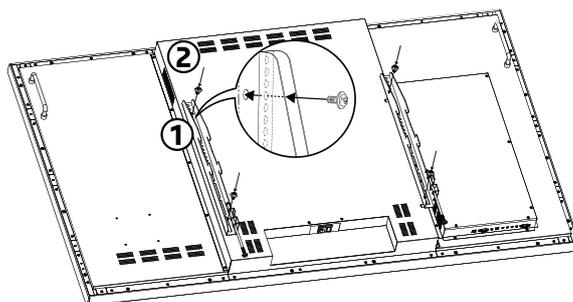
Choose a suitable wall material for the installation. Make sure that the wall and support will be able to support the weight of the product, and all excessive loads and strain that it might endure.

Substitute the 'general purpose' hardware, included with the product, with dedicated hardware applicable for your installation environment. (ea. wall reinforcements, dedicated wall plugs and screws for certain types of wall constructions, etc.).



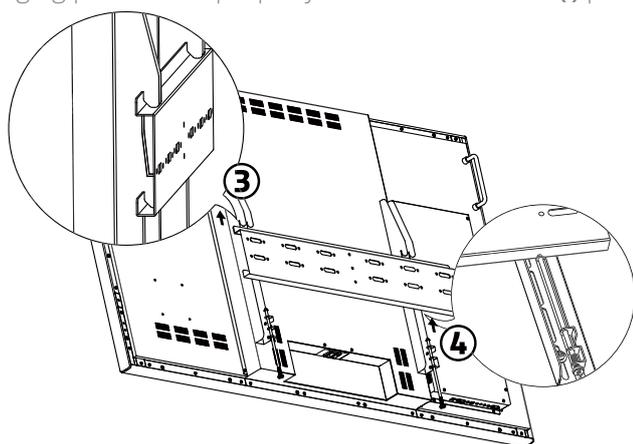
## Hanging Profiles

Fix the hanging profiles to the rear of the display, using the VESA mounting holes. Only use the bolts included with the wall mount. Note that the hole dimensions are different between different model of the i3TOUCH displays. Please choose the fitting bolt size to mount the hanging profiles to the display.



## Mounting

Lift the i3TOUCH display, and hook the hanging profiles behind the wall brackets. Before letting go, verify that the hanging profiles are properly hooked on the **two (!)** protruding edges of the wall bracket.



The hanging profiles feature a locking screw. Verify that these are locked and secure, so that the display cannot be lifted from the wall mount.

## Signal Connection

### Video

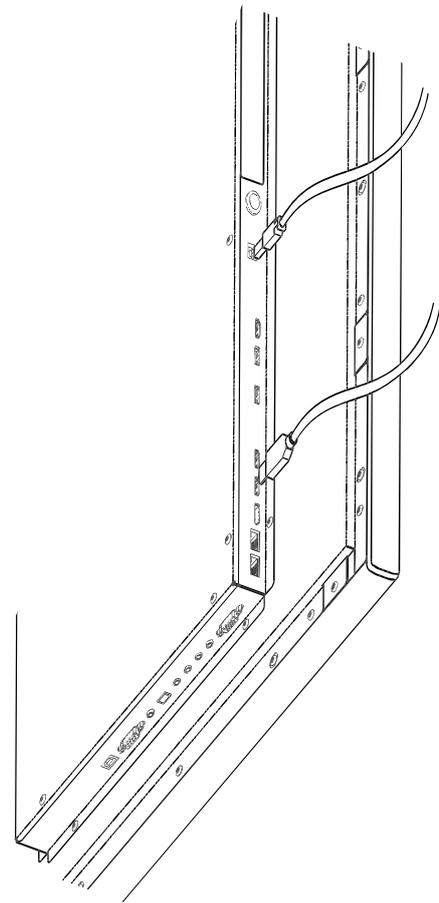
Before connection a video source device, read the user manual provided with the device.

Plug one end of the signal cable into the correct input on the i3TOUCH display, and the other end to the correct output on the source device. Check and compare all image settings on the source device with the compatibility of the i3TOUCH display requirements.

### Touch

Plug one end of the USB cable to the Touch USB Output port of the i3TOUCH display (USB connector type B) and the other end to the USB Input port of the source device (USB connector type A).

There are two USB ports for Touch connection. The Touch USB port on the left side (nr 9) is dedicated for use with the HDMI 1 video input source. The other Touch USB port on the bottom (nr 11) is for use with other video input sources. (Only HDMI 2, VGA, and DisplayPort).



## Signal Adapters and Converters

Connector adapters and signal converters should be used at own risk of performance. Results cannot be guaranteed by the i3TOUCH display, and may vary.

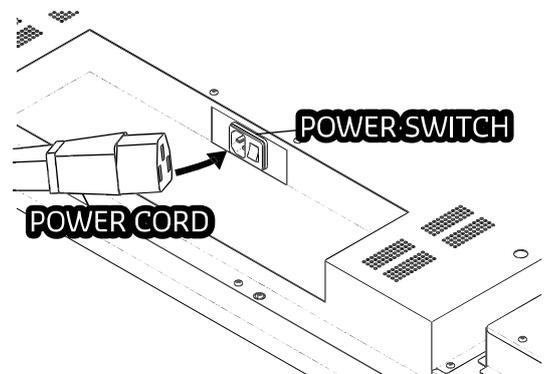
For better compatibility chances, prefer the use of recommended parts by the video source device.

## Power Supply

Connect the power cord to the power supply input (AC) on the display, and plug the power plug in your power wall outlet.

Switch on the power switch, next to the power supply input.

Do not insert the power cord, or flip the power switch, simultaneous when inserting a signal input.



**i3TOUCH Home**

The i3TOUCH home page offers quick accessible source switching between the main video sources, and also the i3NOTES application for fast whiteboarding and note-taking actions.

Press the desired button on the Home Screen to perform its action.



On the Home Page, you can also access the device settings with the Settings button.

**i3NOTES**

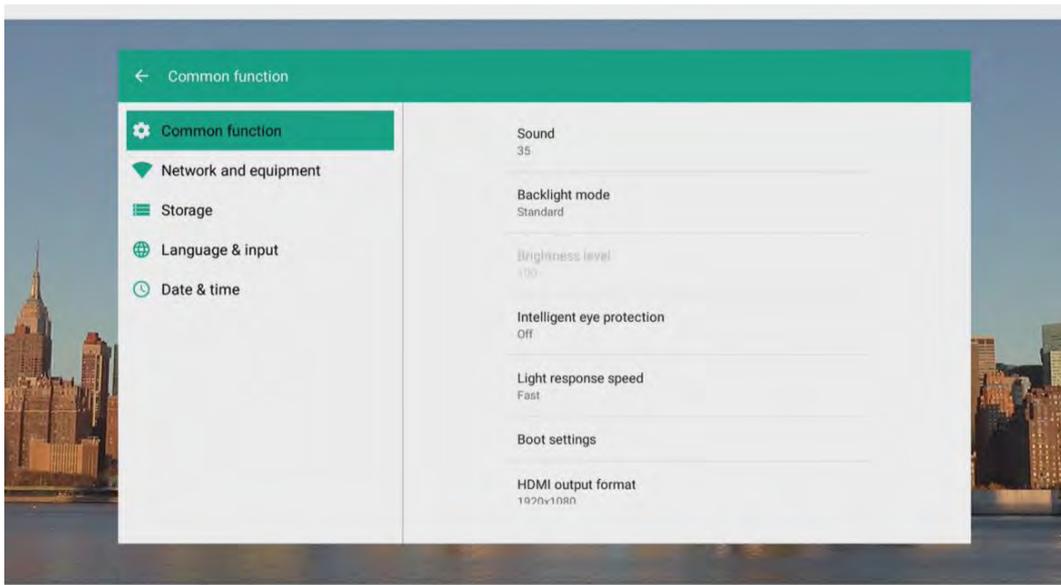
Use the i3NOTES application to take notes or use during presentations or educational events, by writing with fingers (10) or the included stylus on the blank canvas. Use more features with the circular floating Tools Menu.



For a detailed user guide about the functions of the application, visit [www.i3-technologies.com](http://www.i3-technologies.com), and navigate to the i3NOTES User Guide.

## Device Settings

Open the device settings from the i3TOUCH Home Page with the Settings button on the bottom right of the screen.



Common functions, network and equipment options, storage settings, language & input settings and date & time setting can be altered here.

## Pull-up Bar

Swiping upwards from the bottom of the display will display the Pull-up Bar. This menu can be accessed on every signal source input, and provides quick access to signal source switching, image settings, volume control and brightness settings.



- Press Return to return to the previous page.
- Press Home to return to the i3TOUCH Home Page.
- Press Source to open the signal source selection menu.
- Press Settings to open the display settings for picture and sound. (Not on i3TOUCH Home Page).
- Press Volume to adjust the volume of the display.
- Press Mute to mute the sound of the display.
- Press Brightness to adjust the brightness of the display.



**Signal Source Selection**

Open the Signal Source Selection Menu on the Pull-up Bar, and quickly switch between input sources at any time.

A green indicator will show the signal sources that are active, and can be switched to.

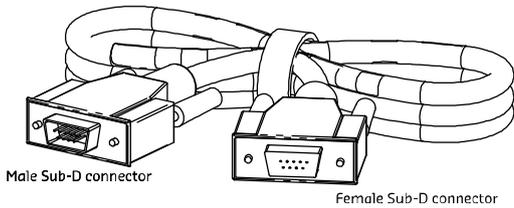
**Display Setting  
(Picture, sound, and additional settings)**

Open the Display Settings on the Pull-up Bar, to access the display settings, applicable for picture, sound and main settings of the input signals.



## Communication Parameters

Communication system	RS232C
Synchronous	Asynchronous communication
Baud rate	38400 bps
Character length	8 bit
Parity	None
Start bit	1 bit
Stop bit	1 bit
Code	Hex



## Commands

No	Function	Hex Code
1	Read FW	55 00 AA 00 FF
2	Power On/Off	55 00 8E 00 E3
3	Source Select	55 00 80 00 D5
4	Up	55 00 00 01 56
5	Down	55 00 00 02 57
6	Left	55 00 00 03 58
7	Right	55 00 00 04 59
8	OK	55 00 00 00 55
9	Menu	55 00 14 00 69
10	Exit	55 00 16 00 6B
11	Info	55 00 18 00 6D
12	Mute	55 00 1A 00 6F
13	Set Sleep Mode	55 00 50 00 75
14	Set Sound Mode	55 00 22 00 77
15	Set Picture Mode	55 00 28 00 7D
16	Set Sleep Timer (off)	55 00 4A 00 9F
17	Set Sleep Timer (10 min)	55 00 4A 01 A0
18	Set Sleep Timer (20 min)	55 00 4A 02 A1

19	Set Sleep Timer (30 min)	55 00 4A 03 A2
20	Set Sleep Timer (60 min)	55 00 4A 04 A3
21	Set Sleep Timer (90 min)	55 00 4A 05 A4
22	Set Sleep Timer (120 min)	55 00 4A 06 A5
23	Set Sleep Timer (180 min)	55 00 4A 07 A6
24	Se Aspect	55 00 4C 00 A1
25	Volume up (+)	55 00 0C 00 61
26	Volume down (-)	55 00 0E 00 63
27	Return	55 00 0A 00 5F
28	Auto Scan	55 00 58 00 AD
29	Switch to YPbPr	55 00 80 04 D9
30	Switch to VGA	55 00 80 06 DB
31	Switch to HDMI MHL	55 00 80 11 E6
32	Switch to HDMI ARC	55 00 80 09 DE
33	Switch to DP	55 00 80 15 EA
34	Switch to OPS	55 00 80 08 DD
35	Switch to AV	55 00 80 0C E1
36	Switch to USB	55 00 80 0F E4
37	Set Contrast 0	55 00 2A 00 7F
38	Set Contrast 10	55 00 2A 0A 89
39	Set Contrast 20	55 00 2A 14 93
40	Set Contrast 30	55 00 2A 1E 9D
41	Set Contrast 40	55 00 2A 28 A7
42	Set Contrast 50	55 00 2A 32 B1
43	Set Contrast 60	55 00 2A 3C BB
44	Set Contrast 70	55 00 2A 46 C5
45	Set Contrast 80	55 00 2A 50 CF
46	Set Contrast 90	55 00 2A 5A D9
47	Set Contrast 100	55 00 2A 64 E3
48	Set Brightness 0	55 00 2C 00 81
49	Set Brightness 10	55 00 2C 0A 8B
50	Set Brightness 20	55 00 2C 14 95
51	Set Brightness 30	55 00 2C 1E 9F

52	Set Brightness 40	55 00 2C 28 A9
53	Set Brightness 50	55 00 2C 32 B3
54	Set Brightness 60	55 00 2C 3C BD
55	Set Brightness 70	55 00 2C 46 C7
56	Set Brightness 80	55 00 2C 50 D1
57	Set Brightness 90	55 00 2C 5A DB
58	Set Brightness 100	55 00 2C 64 E5
59	Set Saturation 0	55 00 2E 00 83
60	Set Saturation 10	55 00 2E 0A 8D
61	Set Saturation 20	55 00 2E 14 97
62	Set Saturation 30	55 00 2E 1E A1
63	Set Saturation 40	55 00 2E 28 AB
64	Set Saturation 50	55 00 2E 32 B5
65	Set Saturation 60	55 00 2E 3C BF
66	Set Saturation 70	55 00 2E 46 C9
67	Set Saturation 80	55 00 2E 50 D3
68	Set Saturation 90	55 00 2E 5A DD
69	Set Saturation 100	55 00 2E 64 E7
70	Set Color Temp (cold)	55 00 34 00 89
71	Set Color Temp (standard)	55 00 34 01 8A
72	Set Color Temp (warm)	55 00 34 02 8B
73	Set Color Temp (user)	55 00 34 03 8C
74	Set BASS 0	55 00 3A 00 8F
75	Set BASS 10	55 00 3A 0A 99
76	Set BASS 20	55 00 3A 14 A3
77	Set BASS 30	55 00 3A 1E AD
78	Set BASS 40	55 00 3A 28 B7
79	Set BASS 50	55 00 3A 32 C1
80	Set BASS 60	55 00 3A 3C CB

81	Set BASS 70	55 00 3A 46 D5
82	Set BASS 80	55 00 3A 50 DF
83	Set BASS 90	55 00 3A 5A E9
84	Set BASS 100	55 00 3A 64 F3
85	Set Treble 0	55 00 3C 00 91
86	Set Treble 10	55 00 3C 0A 9B
87	Set Treble 20	55 00 3C 14 A5
88	Set Treble 30	55 00 3C 1E AF
89	Set Treble 40	55 00 3C 28 B9
90	Set Treble 50	55 00 3C 32 C3
91	Set Treble 60	55 00 3C 3C CD
92	Set Treble 70	55 00 3C 46 D7
93	Set Treble 80	55 00 3C 50 E1
94	Set Treble 90	55 00 3C 5A EB
95	Set Treble 100	55 00 3C 64 F5
96	Set Balance (Left)	55 00 3E 00 91
97	Set Balance (middle)	55 00 3E 32 C5
98	Set Balance (Right)	55 00 3E 64 F7
99	Backlight mode	55 00 88 00 DD
100	Screen shot	55 00 8A 00 DF
101	VGA Auto Adjust	55 00 8C 00 E1
102	Home	55 00 91 00 E6
103	Audio only	55 00 97 00 E7
104	Set HUE 0	55 00 30 00 85
105	Set HUE 50	55 00 30 32 B7
106	Set HUE 100	55 00 32 64 E9
107	Set Sharpness 0	55 00 32 00 87
108	Set Sharpness 50	55 00 32 32 B9
109	Set Sharpness 100	55 00 32 64 EB

## Before contacting i3 Customer Support

When having problems with the product, please follow below procedure before calling your i3 Customer Support contact. If the problem persists, contact your i3 Customer Support.

### Test the product

Check if your unit is operating normally by using the Product Test function, which can be found in the display menu.

### Reset the product

If the screen remains blank while the power LED blinks, even when the product is correctly connected to a video source device, try to reset the product.

- Power off, both the i3TOUCH display, and the video source device.
- Disconnect all cables from the i3TOUCH input and output ports.
- Power on the i3TOUCH display.
- If “No Signal” is displayed, with no cables connected, the product is operating normally.
- If the screen remains blank after reconnecting the cables, check the performance of the video source device, connected cables and connectors.

### Check the video resolution and frequency

“Out of Range” will be briefly displayed if a input source signal exceeds a supported resolution. Refer to the Supported Resolutions section in this user manual, and select a supported resolution and frequency.

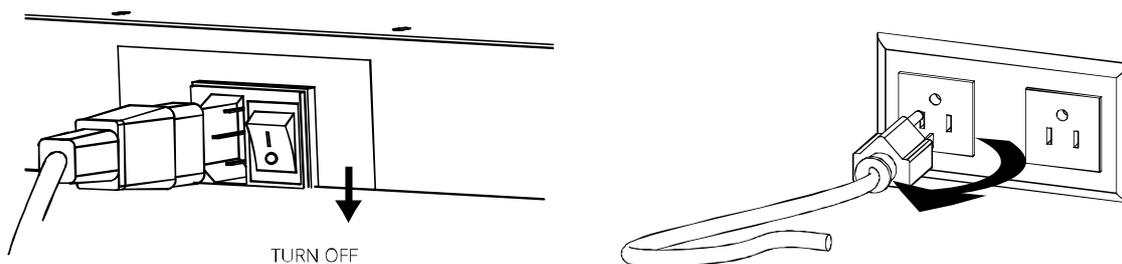
### Check the following most common problems.

Installation Problems	
The display keeps switching on and off.	Check the cable connection between the i3TOUCH display and the video source device, and ensure that all connectors are secure.
Blank spaces are found at the top and bottom of the screen when an HDMI or HDMI-DVI cable is connected to the product.	Blank spaces on the screen are usually not cause by the product. The most common cause of this problem is the video source or its graphics card. This can be fixed by adjusting the HDMI display settings, or by updating the drivers of the graphics card. Always make sure that the drivers of the graphics card is updated to the latest version. Please contact the vendor of the graphics card or manufacturer of the video source device for details on how to adjust the display settings.

<b>Screen Problems</b>	
The power LED is off. The screen will not switch on.	Make sure that the power cord is connected.
"No Signal" is displayed on the screen	Check that the product is connected correctly with a cable Check that the device connected to the product is powered on.
The screen is not clear. The screen is blurry.	Adjust Sharpness and Contrast. Remove any accessories (video extension cable, etc) and try again. Set the resolution and frequency to the recommended level.
The screen appears unstable and shaky.	Check that the resolution and frequency of the PC and graphics card are set within a range compatible with the product. Then, change the screen settings if required by referring to the Additional Information on the product menu and the Standard Signal Mode Table.
There are shadows or ghost images left on the screen.	
The screen is too bright. The screen is too dark.	Adjust Brightness and Contrast.
Screen color is inconsistent.	Go to Picture and adjust the Color Space settings.
White does not really look white.	Go to Picture and adjust the White Balance settings.
<b>Sound Problems</b>	
The remote control does not work.	Make sure that batteries are correctly in place (+/-). Check if the batteries are flat. Check for power failure. Make sure that the power cord is connected. Check for any special lighting or neon signs switched on in the vicinity.

### **Cleaning the i3TOUCH display**

Always make sure that the product is turned off by flipping the power switch, or by removing the power cord from the wall outlet.



Never spray or pour any liquid directly onto the screen or a case (depend on different model).

Do not use chemical solvents, alcohol, or any other based to clean the unit or panel. It may cause permanent damage on the unit or panel.

Use a clean, soft, lint-free cloth, or apply a small amount of non-ammonia, non-alcohol based glass cleanser to achieve maximum cleaning.

### **Disclaimer**

The manufacturer will not be liable of any damage resulting from non-conforming safety actions or operation, or cleaning on this product. The product was designed with personal safety in high regard, but the general safety precautions should always be followed for a safe use of the product.

All i3TOUCH displays follow the ISO standard ISO 13406-2 Class II

## Supported video resolutions and frequencies

This monitor is designed to meet following VESA standard resolution and timing per two different types of panels native resolution.

VGA Timing		
1	640x480	60Hz
2	800x600	60Hz
3	1024x768	60Hz
4	1280x960	60Hz
5	1280x1024	60Hz
6	1360x768	60Hz
7	1920x1080	60Hz

HDMI DP Timing		
1	720x480i	60Hz
2	720x480p	60Hz
3	1280x720p	60Hz
4	1920x1080i	60Hz
5	1920x1080p	60Hz





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