



MimioDisplay 3

Installation & User Guide

Table of Contents

Copyright Information	3
Safety Information	4
Environmental Considerations	5
Box Contents	6
Specifications.....	7
Installation	9
Ports Input / Output	10
User Interface.....	11
Power Button	11
Bezel Buttons	11
Remote Control.....	11
Passive Digital Pens and Gestures.....	12
Software.....	15
Index of Features	15
Software Guide	17
Cleaning.....	34
Troubleshooting.....	34
Toxic / Hazardous Substances.....	35
Compliance Statements.....	36
EU.....	36

Copyright Information

MimioDisplay 3 Installation & User Guide © 2019 Boxlight Group Ltd. All rights reserved.

Boxlight Group is owner of many trademarks in several jurisdictions across the world. Boxlight Group 's products documented in this guide include aspects which are protected under their respective patent, copyright, design copyright, registered design and trademark laws. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. VESA is a registered mark of Video Electronics Standards Association.

Windows is a registered trademark or trademark of Microsoft Corporation in the United States and other countries.





All other trademarks remain the property of their respective owners.

This guide is distributed online. It may only be reproduced for use within the organisation in which the product is used. For use outside of your organisation, no part of this guide may be reproduced, transmitted, stored in a retrieval system or translated into any other language without the prior permission of Boxlight Group Ltd.

Please note that the content in this guide is protected under copyright law. Although every care has been taken in the compilation of this guide, Boxlight Group Ltd accepts no responsibility for errors or omissions, or for damages resulting from the use of information contained within the following pages.

Safety Information

Read and understand all safety information, operating instructions, and product labels before operating the Interactive Touchscreen. Keep this guide in a safe place for future reference.

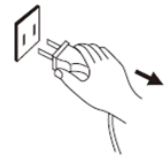
-  The symbol with a lightning flash arrow-head within a triangle is intended to alert the user to the presence of “dangerous voltage” within the product’s enclosure that may be sufficient to constitute a risk of electric shock to persons.
-  The symbol with an exclamation mark within a triangle is intended to alert the user to dangers that may cause death, personal injury and/or property damage.
-  The symbol with a diagonal line within a circle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions.
-  The symbol with a solid circle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions.

In the event of the following

- Power outage or unstable voltage;
- Abnormal sound or smell;
- Damaged AC power cord;
- Product damage caused by fall, strike or impact; or
- Any object or liquid falling into the product.









Turn off the product immediately, disconnect the power plug from the power socket and contact an authorized professional maintenance engineer for repair.



- In the event of any flammable gas leakage do not connect/disconnect the power plug of the product or any other electrical appliance.

Warnings

-  Use AC 100-240V, 50/60Hz only.
 - Cut off power supply before connecting/disconnecting any cable.
 - To avoid the risk of fall, damage and fire, do not fix the product to any unstable position.
 - Do not place the product in any environment:
 1. That is too damp, hot, cold or dusty or exposed to direct sunlight;
 2. Where flammable or explosive substances are stored or used;
 3. Where there are combustible or corrosive gases.
 4. Like a bathroom or kitchen.
 - Do not use any damaged or inappropriate power outlet. Keep a good contact between the power plug and outlet.
 - Protect the power plug and outlet against dust and metal attachments.
 - Do not damage the power cord:
 1. Do not remodel it;
 2. Do not put heavy objects on it;
 3. Keep it away from heat sources;
 4. Do not pull it when disconnecting the power plug.
-  Paralleling multiple power plugs to one power outlet may cause fire due to excessive power consumption.
 - Do not put any flammable or explosive objects near the Interactive Touchscreen.
 - Do not put any container with water on the product, or the water drops or splashes could cause electric shock or fire.
-  To avoid the risk of short circuit, product damage and electric shock, do not insert any object, metal or liquid into or allow them to contact the ventilation holes or signal connectors.
- The ventilation holes in the housing are designed to protect the inside components against overheating and ensure their long-term reliable work. The product should be placed without blocking such ventilation holes
-  To avoid the risk of electric shock, do not touch the power plug with wet hands.
-  To avoid electric shock, avoid handling the power cable during electrical or thunder storms.
-  Unplug the Interactive Touchscreen during a lightning storm or when it will not be used for an extended period. This will protect the device from damage due to power surges.

⚠ Warnings

- ⊘ To avoid the risk of electric shock and fire, do not disassemble the product in any way. All repairs should be referred to professional technicians.
- ⚠ To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.
- ⊘ This product is designed and manufactured to operate within defined design limits, and misuse may result in electric shock or fire.
- ⊘ The installation of this product should be completed by a certified installer.
- ⊘ Use of components not supplied by Cohuborate or not meeting minimum specifications may impact performance and affect the warranty. For Warranty Terms and Conditions, please visit global.boxlight.com
- ⊘ Do not place the Interactive Touchscreen in front of an air conditioning unit to avoid condensation which could cause fire, electric shock or component damage.
- ⊘ Do not embed the Interactive Touchscreen in a cabinet, unless the cabinet is well ventilated.
- ⊘ Do not put the Interactive Touchscreen on or beside any radiator or heater.
- ⊘ Never place, spill or pour any liquid on any part of the Interactive Touchscreen. The device could short circuit causing a fire or electric shock.
 - Do not apply excessive pressure to the surface of the Interactive Touchscreen.
 - The remote control operates on 2 x AAA alkaline batteries.
 - Risk of explosion if batteries are replaced with incorrect type!
 - Incorrect polarity may cause damage or leakage of the batteries, operating injury and contamination of the remote control.
 - Keep new and used batteries away from children and pets.
 - If the battery compartment does not close securely, stop using the remote control and keep it away from children.
 - If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

⚠ Caution

- Do not allow children to climb the product
- To avoid the risk of swallow, keep small accessories beyond the reach of children.
- Disconnect all cables before changing the position or angle of the product. To avoid the risk of fall, move the product slowly.
- Do not use your fingers or any other hard object to rub, knock, press on or scratch the screen of the Interactive Touchscreen.
- To avoid the risk of condensation and fault, do not use the product immediately after moving it from a low-temperature place to a higher-temperature place.
- Disconnect the power plug before cleaning the product with a soft cloth without using any industrial chemical. Prevent any foreign object from falling into the product. Improper cleaning may cause damage to the appearance, erase the printed information or damage the components (if the cleaning fluid or water flows into the product) and cause display failure.
- If the product keeps displaying one image or there is any still text or icon in a moving image during a long time, a ghosting will be left on the screen and survive long after the product is turned off. Such fault is not covered by the warranty.
- Cut off power supply to the product by disconnecting the power plug.
- If the leakage splashes onto your skin when the LCD screen is broken, rinse the skin with clean water for 15 minutes and seek medical advices.
- Hold the four corners and bottom side rather than exert pressure on the front panel when moving the product with hands.
- Use the product in a healthy way: use it under an appropriate light condition; insufficient light or long continuous use may damage your vision.
- The power plug or appliance coupler acting as the make and break device should be easy to operate.

Environmental Considerations

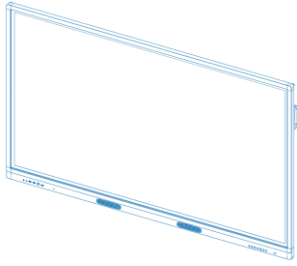
Temperature:

- Operating: 0°C to 40°C
- Storage: -10°C to 60°C

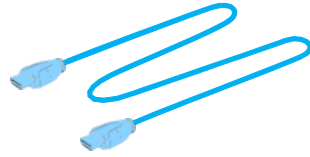
Relative Humidity (non-condensing):

- Operating: 20% to 80%
- Storage: 10% to 60%

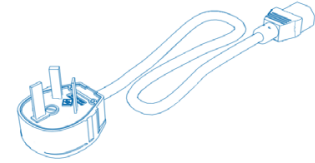
Box Contents



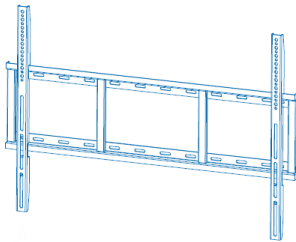
1 x Interactive Touchscreen



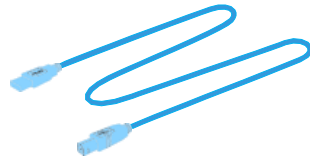
1 x HDMI Cable



1 x UK Plug Cable



1 x Wall Mount



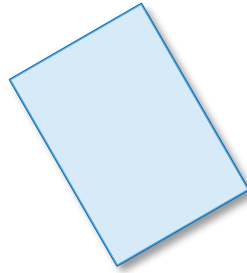
1 x UBA-A to USB-B Cable



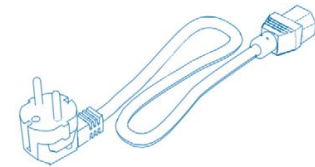
1 x US Plug Cable



1 x Logo Stickers



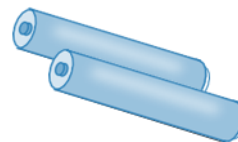
1 x User Guide



1 x EU Plug Cable



1 x Remote Control



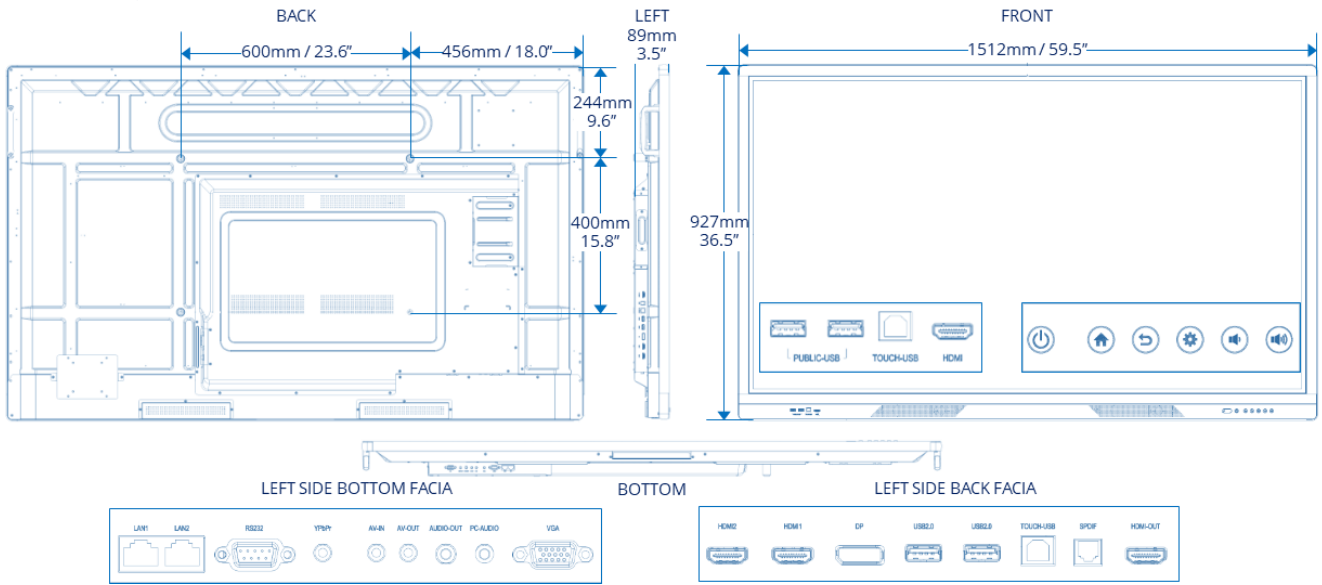
2 x AAA Batteries

Specifications

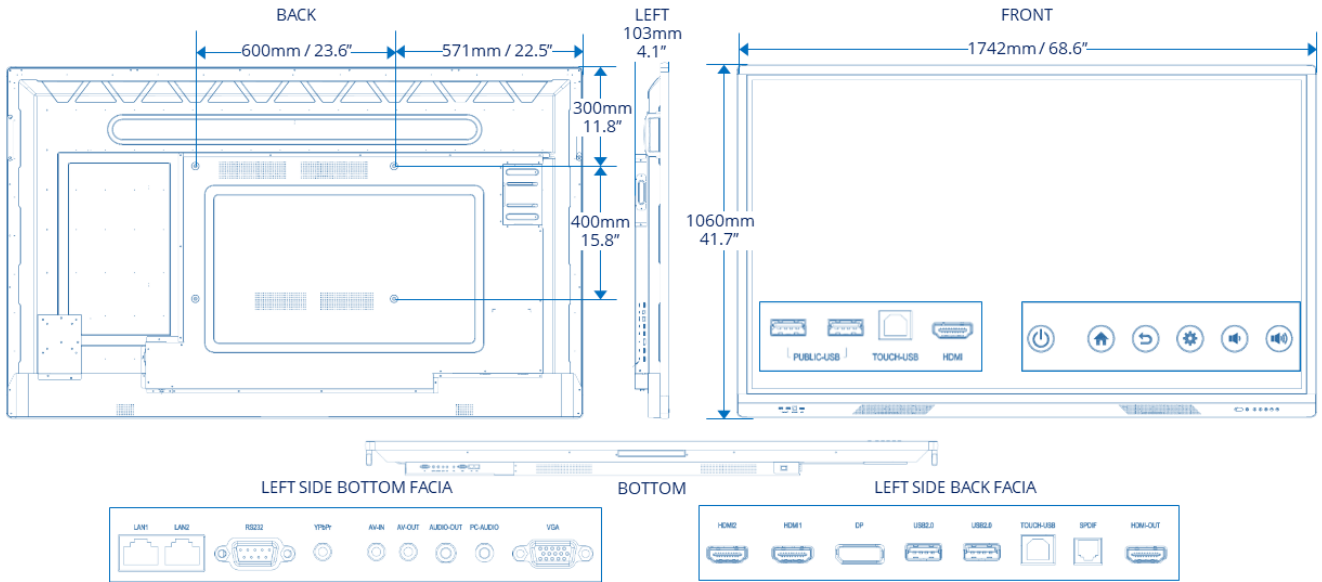


Drawings

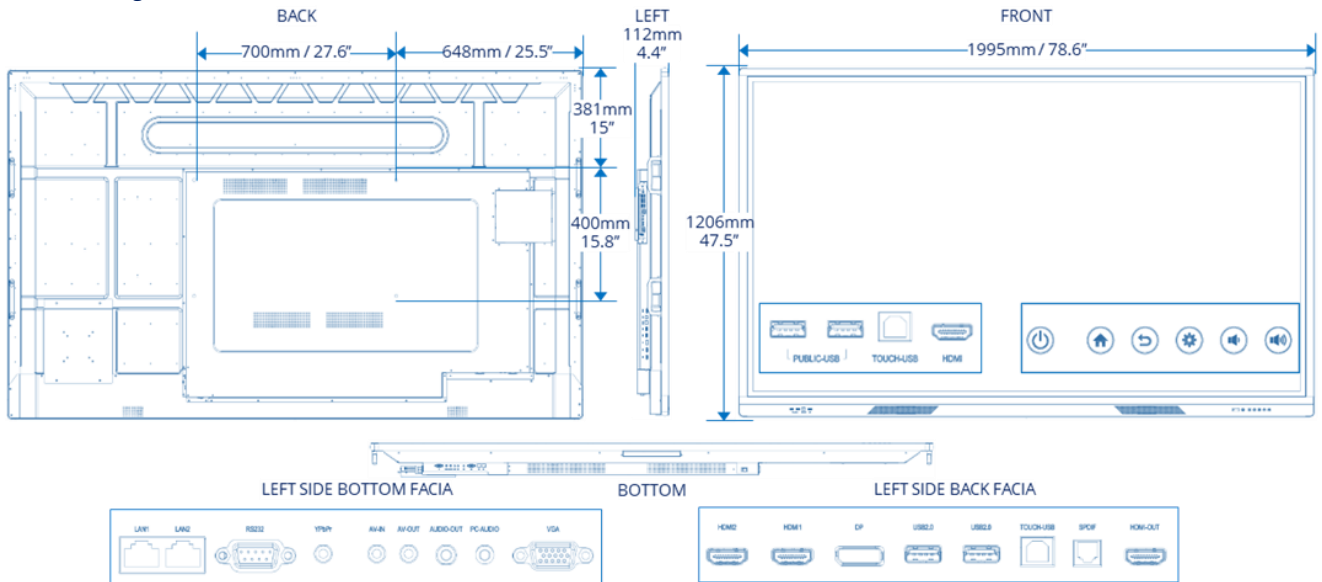
65" Technical Drawing:



75" Technical Drawing:



86" Technical Drawing:



Installation

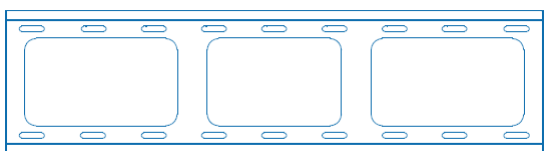
A Professional AV Installer must install the Interactive Touchscreen, failure to do so risks damaging the device and harming yourself and others. It will also affect your warranty if you cannot prove the installation was completed by an approved installer.

It is your responsibility to ensure that the wall can bear the weight of the Interactive Touchscreen, Wall Mount and any additional force that may applied.

Step 1 – Unpack the Interactive Touchscreen by removing clips around the bottom of the carton, lift the top and leave the base with the display (requires two people). Be warned that the screen can be unstable and should be held throughout.

If using a mobile stand or another wall-mount then follow those instructions for steps 2 and 5.

Step 2 – fix the mount base plate to wall.

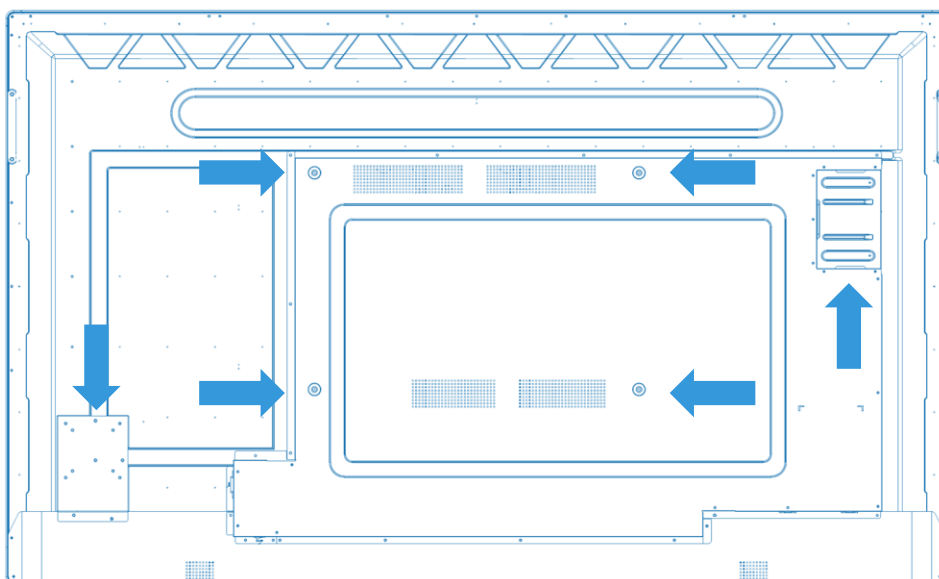


A level is required to ensure the base plate is square and you will need appropriate tools to avoid drilling into pipes and wires. Boxlight Group does not provide the screws/bolts to fix the base plate into wall, nor does it recommend the number or type of screws/bolts that should be used. The bolts that are included are to attach the mount's blades to the VESA mount holes in the back of the Interactive Touchscreen, adjust according to the desired height.

The interactive touchscreen requires ventilation requires at least 100mm space to left, right and below, and 300mm space above the display.

Step 3a – fix the mount blades to the VESA mount points at the rear of the Interactive Touchscreen.

Step 3b – fix a NUC mount to the NUC VESA mount points. Insert an OPS into slot after removing the protective cap. (both not included).

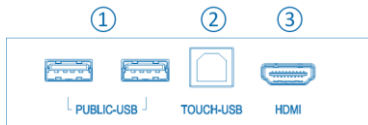


Installation

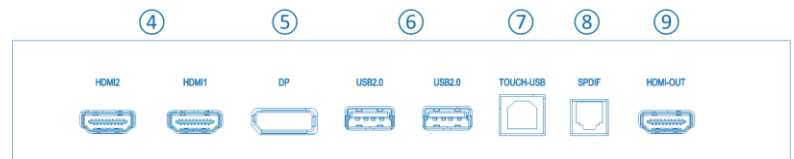
- Step 4** – lift Interactive Touchscreen and rest blades onto the base plate so that the device is centrally aligned.
Warning: the device is very heavy and requires multiple people to lift the device, it is recommended that these people have been instructed in lifting heavy items with a technique that is safe and healthy.
- Step 5** – connect power and AV/USB cabling to the respective video sources per below. The front bezel is for end user, the other ports are to be connected at installation.
- Step 6** – if you chose, stick the Boxlight logo to the device below the display.
- Step 7** – power up the Touchscreen and configure the device following the Settings guide on page 25.

Ports Input / Output

Guest Access on Front Bezel



Left Side Back Facia



Left Bottom Back Facia



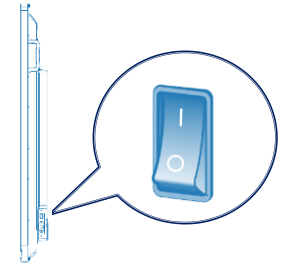
- | | | |
|---|-------------------|---|
| ① | USB 2.0 (Hub) | Passes through to the source, ideal for keyboards etc. |
| ② | Touch USB-B | Touch for ③. Connectivity to devices plugged into ① |
| ③ | HDMI 2.0 | Can be renamed or hidden in the user interface. Set source priority for automatic switching when using HDMI-CEC. Live source indicated. UHD 60Hz. |
| ④ | HDMI 2.0 | |
| ⑤ | Display Port 1.2 | |
| ⑥ | USB 2.0 (Android) | For flash drives. Prioritized over SSD for screenshots etc |
| ⑦ | Touch USB-B | Touch for ④⑤⑫. Connectivity to devices plugged into ① |
| ⑧ | S/PDIF Optical | Digital audio output of the current source. |
| ⑨ | HDMI 2.0 Out | HD or UHD output of the current source. |
| ⑩ | RJ-45 | For LAN 10/100Mbps and room control commands |
| ⑪ | RS232 | For room control commands. |
| ⑫ | Legacy | Not recommended but support for VGA to Composite |

User Interface

Plug-in the Interactive Touchscreen, power up the device, press standby button and interact with the device using the either the bezel buttons, remote control or touchscreen.

Power Button

Power-up device by the switching on the switch to right side behind the display. .



Bezel Buttons

The Interactive Touchscreen can be interacted using the following front bezel buttons.



- ① Indicator Light, IR receiver and Ambient Light Sensor
- ② Standby On/Off
- ③ Go to [Home](#)
- ④ Return and Touch Unlock (see Touch Lock on page 29)
- ⑤ Open [Settings](#) Menu
- ⑥ Volume Down
- ⑦ Volume Up

Remote Control

1. Remove the cover on the back of the remote control.
2. Insert two "AAA" batteries, ensuring the "+" symbol on the battery matches the "+" on the remote.
3. Replace cover by aligning and snapping the latch shut.



Warning:

- When the IR receiver on the Interactive Touchscreen is subject to direct sunlight or bright light, the remote control may not work. In such event move the screen or operate the remote control closer.
- Low battery voltage will affect the distance of the remote control. Replace low batteries with new ones, depleted batteries may corrode and damage the remote control.
- Never mix types of battery, or new a battery with a used one. Always replace in a pair.
- Please dispose of waste batteries according to applicable environmental regulations. Do not expose batteries to any hot environment, like direct sunlight, over a fire, etc.

- ① Stand-by Power On/Off
- ② Open [Sources](#) Menu
- ③ Navigation keys
- ④ Open [Settings](#) Menu
- ⑤ Go [Home](#)
- ⑥ Return and Touch Unlock
- ⑦ Change source to OPS (internal PC)
- ⑧ Open Infinite [Sketch](#)
- ⑨ Send Screenshot to [Infinite Sketch](#)
- ⑩ Volume Down
- ⑪ Mute Volume
- ⑫ Volume Up



Passive Digital Pens and Gestures

MimioDisplay 3 supports differentiated pen and touch within Infinite Sketch, Annotate over Video and Windows Ink. The input devices cannot be used simultaneously but do leverage a Natural Human Interface of changing the behaviour of software by the tool a user uses.

For example, in Infinite Sketch

- passive digital pen draws,
- pen's eraser is fine erase
- palm is large erase
- touch is defined by the toolbar, default is move and scale the infinite canvas.

Passive Digital Pens

The interactive touchscreen comes with two passive digital pens.

They are passive as they do not require batteries and the IR Digitizer identifies them as pens due to the size of nib. Any 2mm object will be interpreted as a pen, 6mm object as a fine eraser and >8mm object as touch.



Windows Gestures

Below are the standard gestures supported by Windows as the Interactive Touchscreen is a USB HID.

GESTURE	WINDOWS USAGE	GESTURE ACTION	ACTION (○= finger down ◉= finger up)	Single Contact	Multi Contact
Tap / Double Tap	Click / Double Click			★	★
Panning with Inertia	Scrolling	Drag 1 or 2 fingers up and down			★
Selection / Drag (left to right with one finger)	Mouse Drag / Selection	Drag one finger left / right		★	★
Press and Tap	Right-click	Press on target and tap using a second finger			★
Zoom	Zoom (defaults to CTRL key + Scroll wheel)	Move two fingers apart / toward each other			★
Rotate	No system default unless handled by Application (using WM_GESTURE API)	Move two fingers in opposing directions -or- Use one finger to pivot around another			★
Two-Finger Tap	N/A – Exposed through Gesture API, used by Application discretion.	Tap two fingers at the same time (where the target is the midpoint between the fingers)			★
Press and Hold	Right-click	Press, wait for blue ring animation to complete, then release		★	★
Flicks	Default: Pan up/ Pan Down/ Back, and Forward	Make quick drag gestures in the desired direction		★	★

Windows Touch Gestures Overview - <https://docs.microsoft.com/en-us/windows/win32/wintouch/windows-touch-gestures-overview>

The following edge swipes are also supported on Windows 10:

- Swipe in from the right side of your screen to open action centre.
- Swipe in from the left to view all your open apps in task view.
- Swipe in from the top to view a full-screened app's title bar.
- Swipe in from the bottom to view the task bar in full-screened apps

Windows Ink

The touchscreen's digitizer is a USB standard human input device (HID) that differentiates touch, pen and erase input. Windows 10 recognises these features for applications that support Windows Ink. Each application may behave differently but a change of input device will change the tool without using the software GUI.

A general rule of thumb (no pun intended):

- Touch is Touch (per Windows Gestures on page 13)
- Passive Digital Pen is Pen.
- Palm Swipe is Erase.

Exemplar Apps (August 2019 - Windows 10 version 1809)

Application	Differentiated Input		
	Touch Gestures	Passive Digital Pen	Erase Gesture
PowerPoint Editor	Yes	Yes	Yes
PowerPoint Show	Yes	Yes	GUI
Excel	Yes	Yes	GUI
Word	Yes	Yes	GUI
OneNote	Yes	Yes	Yes
Microsoft Edge Browser	Yes	Yes	Yes
Microsoft Whiteboard	Yes	Yes	Yes
Windows Ink Workspace	Yes	Yes	Yes
Adobe Acrobat	Yes	Yes	Yes
CollaBoard	Yes	Yes	Yes
MURAL	Yes	Yes	Yes



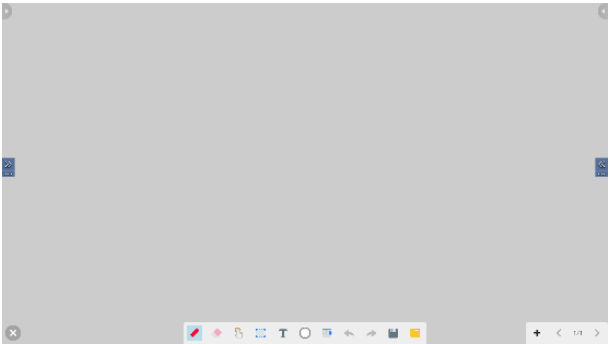
Software

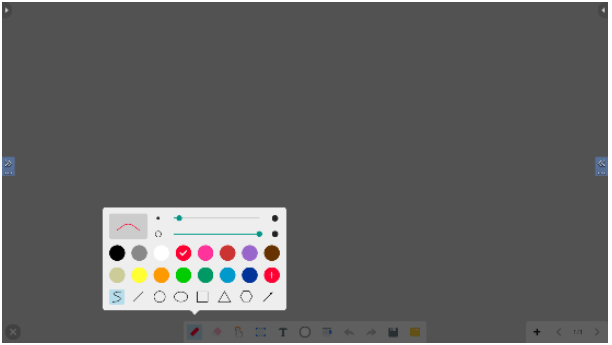
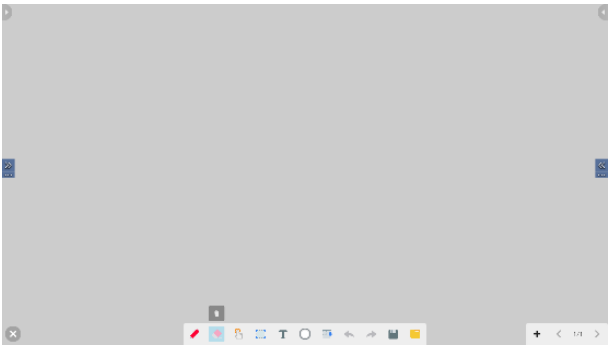
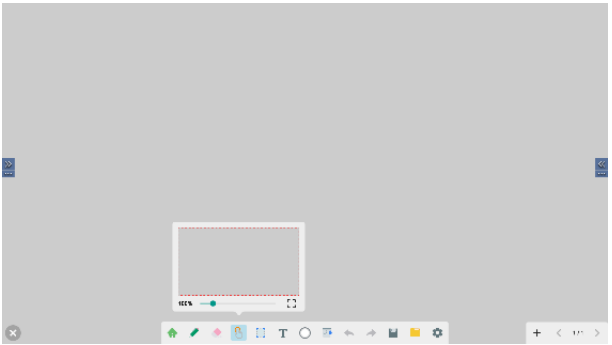
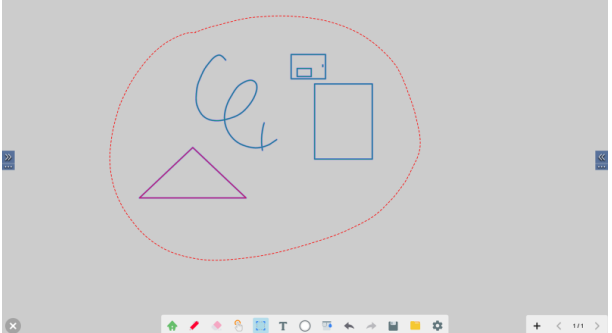
Index of Features

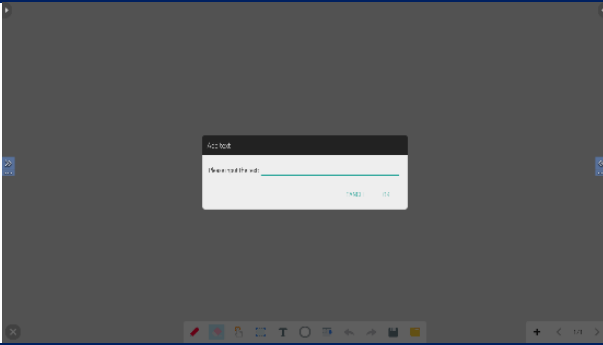

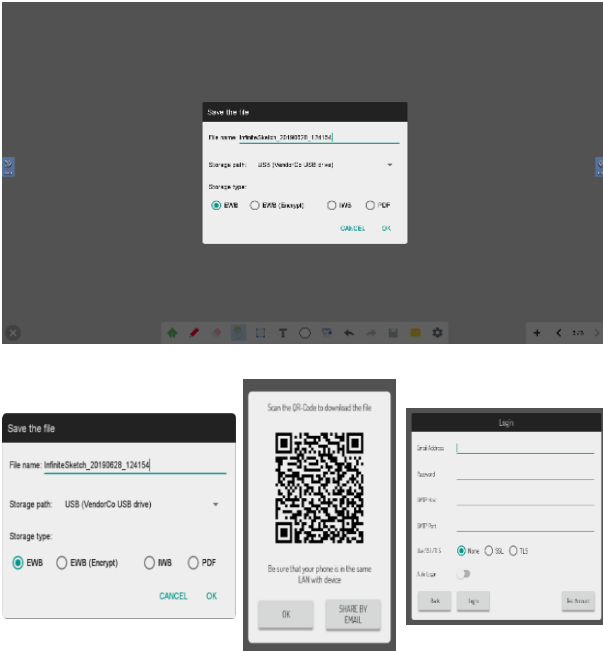
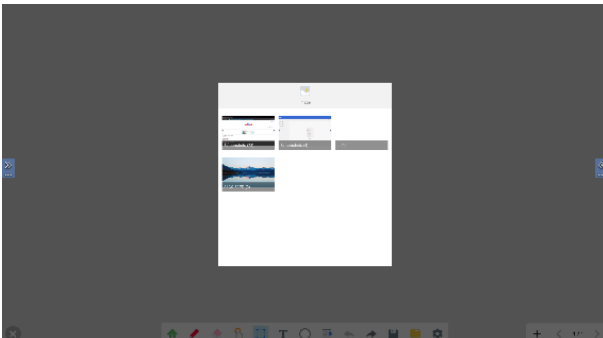
Level 1	Level 2	Level 3	Level 4	Level 5	Page
Home >					17
Home >	Infinite Sketch				17
Home >	Infinite Sketch >	Ink Tool			18
Home >	Infinite Sketch >	Erase Tool			18
Home >	Infinite Sketch >	Gesture Tool			18
Home >	Infinite Sketch >	Lasso Tool			18
Home >	Infinite Sketch >	Add/Edit Text			19
Home >	Infinite Sketch >	Undo/Redo			19
Home >	Infinite Sketch >	Save			19
Home >	Infinite Sketch >	Insert			19
Home >	Infinite Sketch >	Page Navigation			20
Home >	View Installed Apps				20
Home >	View File Manager				20
Side Toolbar >					21
Side Toolbar >	Quick Access Toolbar				21
Side Toolbar >	Sources				22
Side Toolbar >	Sources >	Change Source Name			22
Side Toolbar >	Widgets				22
Side Toolbar >	Widgets >	Annotate over Video			22
Side Toolbar >	Widgets >	Side Toolbar > Widgets > Screen Freeze			23
Side Toolbar >	Widgets >	Screen Snipping Tool			23
Side Toolbar >	Widgets >	Spotlight			23
Side Toolbar >	Widgets >	Calculator			23
Side Toolbar >	Widgets >	Countdown			23
Side Toolbar >	Widgets >	Quick Clean			24
Side Toolbar >	Widgets >	Setting Lock			24
Side Toolbar >	Widgets >	Screen Zoom			24
Side Toolbar >	Widgets >	Screen Revealer			25
Side Toolbar >	Widgets >	App Shortcuts			25
Side Toolbar >	Open Apps				25
Side Toolbar >	Settings				25
Side Toolbar >	Settings >	Display			26
Side Toolbar >	Settings >	Display >	Wallpaper Screensaver No Signal Background		26
Side Toolbar >	Settings >	Display >	Picture Mode		26
Side Toolbar >	Settings >	Display >	Colour Temperature		26
Side Toolbar >	Settings >	Display >	Zoom		26
Side Toolbar >	Settings >	Display >	HDMI EDID		27

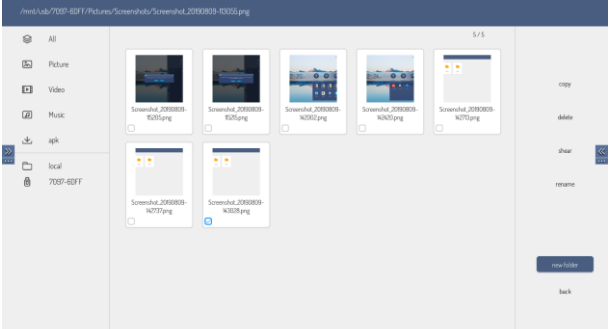
Level 1	Level 2	Level 3	Level 4	Level 5	Page
Side Toolbar >	Settings >	Display >	HDR		27
Side Toolbar >	Settings >	Sound			27
Side Toolbar >	Settings >	System			27
Side Toolbar >	Settings >	System >	WLAN		28
Side Toolbar >	Settings >	System >	Ethernet		28
Side Toolbar >	Settings >	System >	Hotspot		28
Side Toolbar >	Settings >	System >	Bluetooth		28
Side Toolbar >	Settings >	System >	Security & Privacy		28
Side Toolbar >	Settings >	System >	Advanced Settings		29
Side Toolbar >	Settings >	System >	Advanced Settings >	Gesture Mode	29
Side Toolbar >	Settings >	System >	Advanced Settings >	Remote Lock	29
Side Toolbar >	Settings >	System >	Advanced Settings >	Touch Lock	29
Side Toolbar >	Settings >	System >	Advanced Settings >	Keypad Lock	29
Side Toolbar >	Settings >	System >	Advanced Settings >	Hide Source	29
Side Toolbar >	Settings >	System >	Advanced Settings >	Automatic source switch	30
Side Toolbar >	Settings >	System >	Advanced Settings >	Setting Lock	30
Side Toolbar >	Settings >	System >	Advanced Settings >	Intelligent Protective Screen	30
Side Toolbar >	Settings >	System >	Advanced Settings >	HDMI OUT	30
Side Toolbar >	Settings >	System >	Time & Date		31
Side Toolbar >	Settings >	System >	Language & Keyboard		31
Side Toolbar >	Settings >	System >	Power Settings		31
Side Toolbar >	Settings >	System >	Power Settings >	Wake On Lan	31
Side Toolbar >	Settings >	System >	Power Settings >	Source When Power On	31
Side Toolbar >	Settings >	System >	Power Settings >	Hibernate to Stand-by	32
Side Toolbar >	Settings >	System >	Power Settings >	Enable Automatic Power On	32
Side Toolbar >	Settings >	System >	Power Settings >	Off Time	32
Side Toolbar >	Settings >	System >	System		32
Side Toolbar >	Settings >	System >	System >	Restore MimioDisplay - Remove all User Data	32
Side Toolbar >	Settings >	System >	System >	Restore MimioDisplay - Reset to Factory Settings	33
Side Toolbar >	Settings >	System >	System >	Auto check Update	33
Side Toolbar >	Settings >	System >	System >	Check update	33














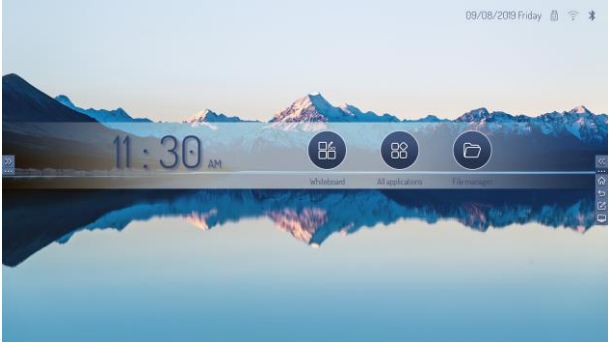
Software Guide

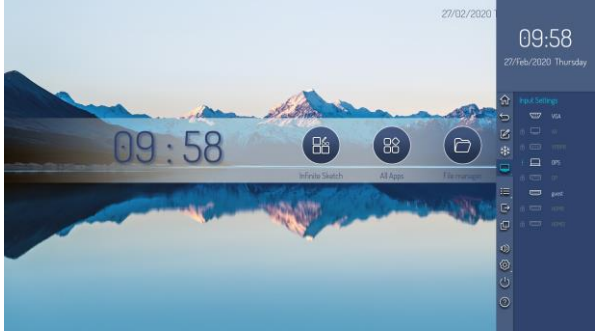
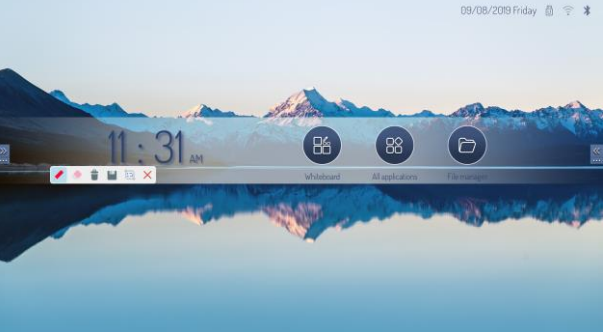
Area	Feature	Screenshot
Home >	<p>Current time, day and date is shown (change per settings). There are icons to signify if the device is connected to WiFi, Bluetooth and USB.</p> <p>There are three calls to action, all other use cases are through the Side Toolbar:</p> <ol style="list-style-type: none"> 1. Open Whiteboard app – Infinite Sketch. 2. View Installed Apps- quick launcher of applications. 3. View File Manager - files saved on the SSD and connected USB. <p>There is an icon on the left and right of the screen across all sources, it can be moved up and down. When pressed it presents the Side Toolbar on the same side of the screen. Pressing the 3-dots below presents the Quick Access Toolbar.</p>	
Home > Infinite Sketch	<p>Multitouch whiteboard app to create & capture learning outcomes as a PDF or editable EWB/IWB format with or without a PIN code. Main features:</p> <ul style="list-style-type: none"> • Passive digital pen always draws, reverse end of pen is small erase, palm is large erase and touch input is determined by the toolbar:  <ul style="list-style-type: none"> • <10 x simultaneous lines when Ink Tool is selected. • Pinch to zoom canvas from 20% to 500% when gesture tool is selected. • Pinch to move and scale a selected object when select tool is selected. • Receive screen shots and snips from widget toolbar and Unplug'd. • Add shapes via pen icon, text via text icon and images via file icon to canvas. • Undo & redo. • Save to an editable or PDF file format. • Generate a (temporary) QR code to download PDF and send file as an attachment to an email. • Add new page. View, navigate, reorder and delete pages. 	

Area	Feature	Screenshot								
<p>Home > Infinite Sketch > Ink Tool</p>	<p>The Infinite Sketch app differentiates the input device as a Natural User Interface to allow use of tools based on whether the user is using the Passive Digital Pen, Pen's Eraser, Touch or Palm. The default user experience is that:</p> <ul style="list-style-type: none"> • Pen = pen - draw - red ink, • Pen Eraser = erase small area • Touch = gestures and • Palm = erase large area. <p>The Ink Tool on the toolbar is used to change the behaviour of Touch to the selected tool and changes the colour of ink for the Passive Digital Pen.</p> <table border="1" data-bbox="347 770 882 920"> <tbody> <tr> <td>• Freeform</td> <td>• Straight line</td> </tr> <tr> <td>• Circle</td> <td>• Oval</td> </tr> <tr> <td>• Rectangle</td> <td>• Triangle</td> </tr> <tr> <td>• Hexagon</td> <td>• Straight Arrow</td> </tr> </tbody> </table>	• Freeform	• Straight line	• Circle	• Oval	• Rectangle	• Triangle	• Hexagon	• Straight Arrow	
• Freeform	• Straight line									
• Circle	• Oval									
• Rectangle	• Triangle									
• Hexagon	• Straight Arrow									
<p>Home > Infinite Sketch > Erase Tool</p>	<p>Ink can be erased using the Passive Digital Pen's Eraser, Palm gesture or by changing the action of touch input via the toolbar.</p> <p>Annotations are cut through the erase area into two movable objects. To erase text, shapes and images first select the object using the Select Tool and then either press the Erase Tool or use an erase gesture. The whole page can be cleared by holding down the erase icon to select the trashcan icon.</p>									
<p>Home > Infinite Sketch > Gesture Tool</p>	<p>Gesture Tool is the default touch input and allows the following:</p> <ul style="list-style-type: none"> • Select the canvas with a finger to move. • Pinch canvas to zoom in, out and pan left/right/up/down. The zoom level is shown as a percentage. • Selecting the zoom icon again shows a "view finder" to see the whole canvas relative to the current view. 									
<p>Home > Infinite Sketch > Lasso Tool</p>	<p>Touch an object and it becomes selected. Dragging over multiple objects allows them to be moved, scaled or deleted as a group. An object or objects that has been selected can be deleted by pressing the Erase Tool, using the erase gesture or pen eraser anywhere on the canvas. Selected objects can moved by dragging, scaled using a pinch gesture or by dragging a corner handle.</p>									

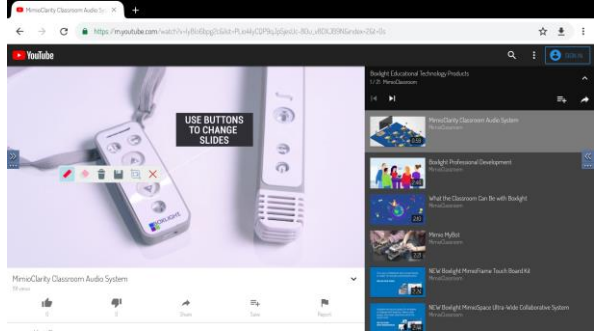
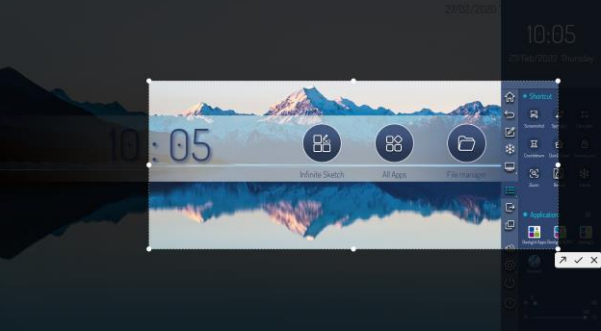
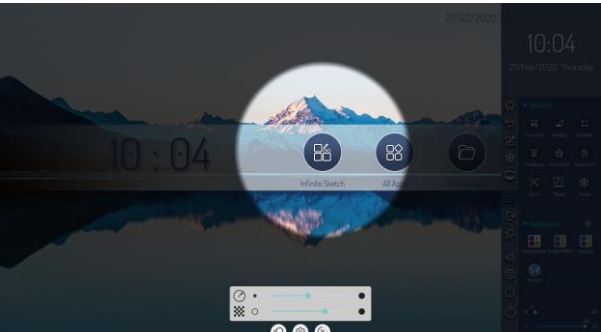
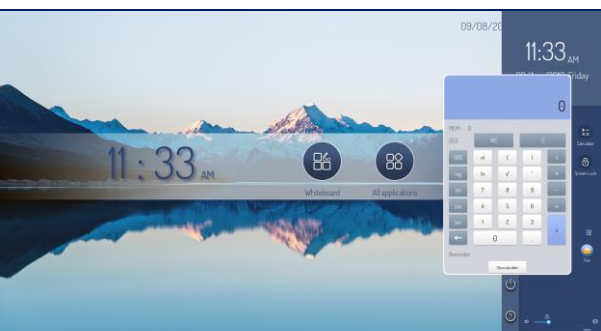

Area	Feature	Screenshot
<p>Home > Infinite Sketch > Add/Edit Text</p>	<p>Insert text in the middle of the page in the same colour as the pen ink by pressing the Add/Edit Text tool. Select a text object with the lasso tool, to edit press Add/Edit Text Tool, to move drag the selected text and to scale either use a pinch gesture or by dragging a corner handle.</p>	
<p>Home > Infinite Sketch > Undo/Redo</p>	<p>Undo and redo the last action in the undo stack.</p>	
<p>Home > Infinite Sketch > Save</p>	<p>Saves the pages within Infinite Sketch into either:</p> <ul style="list-style-type: none"> • EWB proprietary file type • EWB proprietary file type that is protected by PIN • IWB (Interactive Whiteboard Common File Format) that can be opened in MimioStudio, OKTOPUS, ActivInspire and other IWB software. • PDF file type <p>Choose where to save the file. Default storage path is external USB. If there is no connected USB then the app saves in an InfiniteSketch directory within user-data on the SSD.</p> <p>If PDF is selected a QR code that generates a URL path to download the file. They can then download the PDF in their browser on their phone / tablet. The user is also presented the option to email the file</p> <p>The default file name is set to InfiniteSketch_Date_Time.xxx</p>	
<p>Home > Infinite Sketch > Insert</p>	<p>To insert an image into the middle of the canvas from the device's hard-drive or inserted USB stick touch the Insert Tool. A dialogue opens showing all the folders with images, navigate to the image and select it.</p> <p>Use the Lasso Tool to select an object. When selected it can be moved by dragging, scaled using a pinch gesture or dragging a corner handle and deleted by choosing the Erase Tool or erase gesture anywhere on the canvas.</p>	

Area	Feature	Screenshot
<p>Home > Infinite Sketch > Page Navigation</p>	<p>Add a new page to the whiteboard, move a page forwards or backwards by using the Page Navigation Tool. With a long-touch a side navigation bar appears with all the pages, from here change page, reordered pages or delete a page.</p>	
<p>Home > View Installed Apps</p>	<ol style="list-style-type: none"> 1. Infinite Sketch 2. Unplug'd 3. Boxlight Apps 4. Boxlight NDMS 5. Browser 6. Chrome 7. Settings 8. Check update 9. WPS Office 10. Search 11. Help 	
<p>Home > View File Manager</p>	<p>A quick filter to view, open, copy and delete files saved on the MimioDisplay's SSD and connected USB MSDs. Filters are:</p> <ul style="list-style-type: none"> • Images • Video • Audio • Recent files • Download folder • Connected USB 	

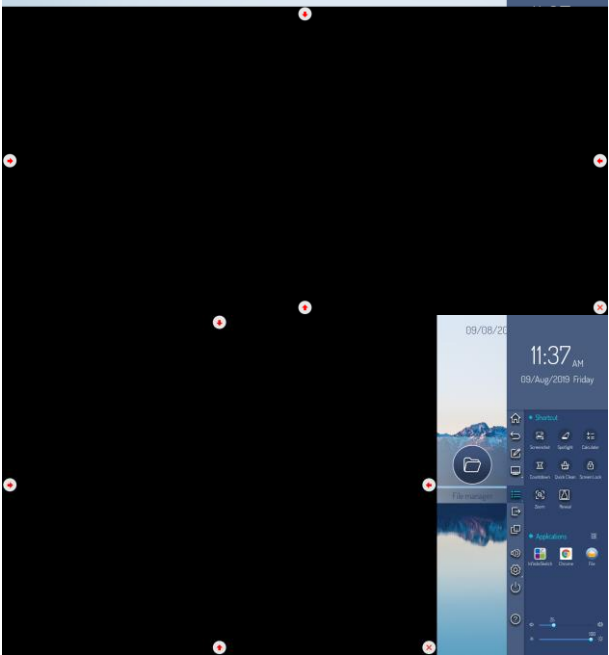



Area	Feature	Screenshot
<p>Side Toolbar ></p>	<p>A discrete side toolbar appears when the user touches the double arrows on the Side Icon on the same side of the screen. Selecting an icon will expand the menu within the field of view of the presenter.</p> <p>To close the Toolbar the presenter just needs to press anywhere off the toolbar. Any touches when this toolbar is open will be diverted to the MimioDisplay's On-Screen Display User Interface and not the connected computer of the video source. With the following calls to action:</p> <ul style="list-style-type: none">  Home  Back  Annotate over Video  Screen Freeze  Sources  Widgets  Hide Toolbar  Open Apps  Volume  Settings  Standby  Help 	
<p>Side Toolbar > Quick Access Toolbar</p>	<p>There are five calls to action:</p> <ol style="list-style-type: none"> 1. 3-dots - collapses Quick Access Toolbar 2. Home - takes the user to the Homepage. 3. Back - takes the user back one step on the application all the way to homepage. 4. Annotate over Video - opens a floating toolbar to draw over the current page, capture and send screen-shots / snips to Infinite Sketch. 5. Sources - opens the side toolbar menu of video sources. Active sources will be signified. 	

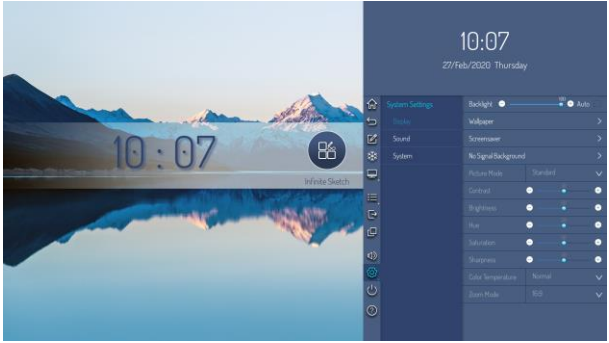
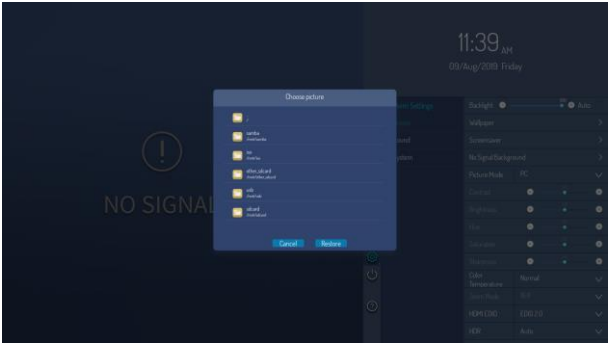

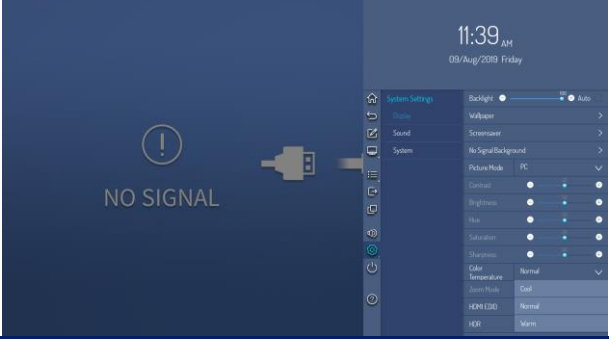
Area	Feature	Screenshot
Side Toolbar > Sources	Select and change to an external video source. HDMI, DP and OPS sources with a live video feed are highlighted.	
Side Toolbar > Sources > Change Source Name	A long press allows the user to rename that video source.	
Side Toolbar > Widgets	Selection of widgets that open above the current video source. Specifically: <ol style="list-style-type: none"> 1. Annotate over Video 2. Screen Freeze 3. Screen Snipping Tool 4. Spotlight 5. Calculator 6. Countdown 7. Quick Clean 8. Screen Lock 9. Screen Zoom 10. Screen Revealer 11. App Shortcuts 	
Side Toolbar > Widgets > Annotate over Video	Opens a floating toolbar that allows the user to annotate over the current video source or app. Using the passive digital pen or touch to draw, hold the pen icon to change ink colour and tool for touch – passive pen always draws.	




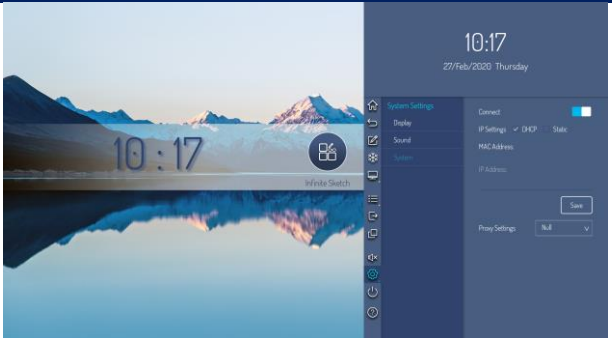

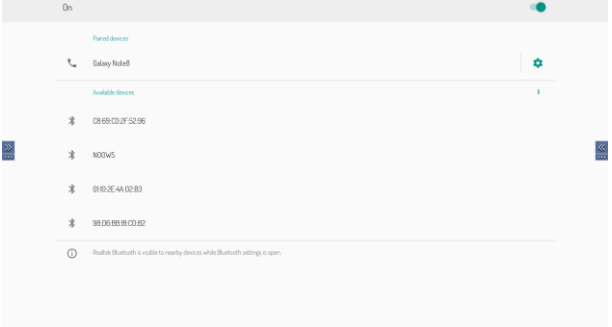

Area	Feature	Screenshot
<p>Side Toolbar > Widgets > Screen Freeze</p>	<p>Freezes the screen over any content from any source and opens a floating toolbar that allows the user to annotate over content. Videos will be automatically paused when invoked.</p>	
<p>Side Toolbar > Widgets > Screen Snipping Tool</p>	<p>Capture screen snips of the current video source and send to the current page on Infinite Sketch. To send image and go to Infinite Sketch then press the arrow. To send image and remain the current source then press the tick. To cancel press the cross.</p>	
<p>Side Toolbar > Widgets > Spotlight</p>	<p>To draw the audience's attention to a particular section of the current source then use the Spotlight widget. Use a single touch gesture to move the Spotlight, a pinch gesture to change its size, the shape icon changes between a circle and square, the settings icon allows to change the transparency of the black cover and cross icon closes the widget.</p>	
<p>Side Toolbar > Widgets > Calculator</p>	<p>The Calculator widget is a simple calculator that runs over the current source. The widget can be moved by a single touch gesture on the grey area of the app.</p>	
<p>Side Toolbar > Widgets > Countdown</p>	<p>The Countdown widget is a simple countdown that runs over the current source. Multiple countdowns can run concurrently and when complete a subtle notification is given.</p>	

Area	Feature	Screenshot
Side Toolbar > Widgets > Quick Clean	<p>The Quick Clean widget is designed to quickly delete user files or close all opened apps.</p>	
Side Toolbar > Widgets > Screen Lock	<p>The Screen Lock widget is simply a locking mechanism that allows you to leave your display unattended.</p>	
Side Toolbar > Widgets > Screen Zoom	<p>Screen Zoom takes a snapshot of what is being displayed and zooms in / out of the image. By using gestures the image can be moved to the area of interest. To cancel close the Zoom Toolbar by pressing the "X".</p>	


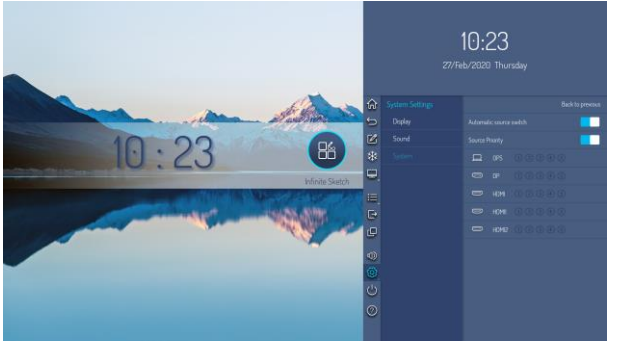
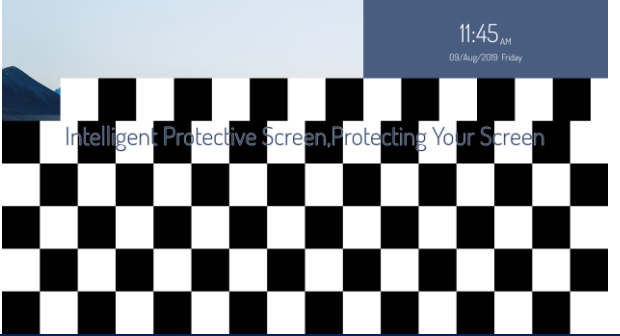

Area	Feature	Screenshot
<p>Side Toolbar > Widgets > Screen Revealer</p>	<p>The Screen Reveal widget is simply a tool used to hide part of the screen so you can later reveal it. The widget can be resized by using the arrows on each edge.</p>	
<p>Side Toolbar > Widgets > App Shortcuts</p>	<p>The App Shortcuts widget shows you your most used apps on the MimioDisplay allowing you to open any of these quickly without needing to change to the home screen.</p>	
<p>Side Toolbar > Open Apps</p>	<p>Shows the applications currently running. Either switch to the desired application or close applications no longer needed to be open.</p>	
<p>Side Toolbar > Settings</p>	<p>The Settings menu allows the user to configure:</p> <ol style="list-style-type: none"> 1. Display 2. Sound 3. System 	


Area	Feature	Screenshot
Side Toolbar > Settings > Display	<p>Display setting menu. The user can:</p> <ul style="list-style-type: none"> Adjust the backlight brightness Use light sensor to automatically adjust brightness Change the Wallpaper, image needs to be 16:9 Choose an image for Screensaver Choose an image to display when there is No Signal Background on the source. Change the Picture Mode either through a pre-set or user defined. Change the screen aspect ratio from 16:9 to 4:3. Change HDMI EDID setting Change HDR setting 	
Side Toolbar > Settings > Wallpaper Screensaver No Signal Background	<p>Choose an image to be the wallpaper. Image needs to be the same ratio as display, probably 16:9. The default can be restored.</p> <p>Choose an image to be the screensaver. Image needs to be a PNG file. The default can be restored.</p> <p>Choose an image to be the background when the current source has no signal, for example when a PC hibernates. Image needs to be a PNG file and 16:9 ratio. The default can be restored.</p>	
Side Toolbar > Settings > Picture Mode	<p>Choose a pre-set configuration or "User" to customise the display image. "Eye Pro" is configured to help reduce eye fatigue of the audience.</p>	
Side Toolbar > Settings > Colour Temperature	<p>Change the display image temperature when in "User" Picture Mode to either Cool / Normal / Warm.</p>	
Side Toolbar > Settings > Zoom	<p>Change the Aspect Ratio of the MimioDisplay for the current source from 16:9 to 4:3, and back again.</p>	

Area	Feature	Screenshot
<p>Side Toolbar > Settings > HDMI EDID</p>	<p>Change the HDMI EDID (Extended Display Identification Data – it describes the capabilities of the display to the source of video) from EDID 2.0 to EDID 1.4, and back again.</p>	
<p>Side Toolbar > Settings > HDR</p>	<p>Change the HDR (High Dynamic Range) to:</p> <ul style="list-style-type: none"> • Auto • Low • Middle • High • Ref Mode 	
<p>Side Toolbar > Settings > Sound</p>	<p>Settings for the MimioDisplay's audio. Change the:</p> <ul style="list-style-type: none"> • Volume • Balance • Bass • Treble <p>Select whether the Output be set to internal or external speakers. If External is selected the current source's audio will be outputted to SPDIF, Audio Out 3.5mm and HDMI OUT.</p> <p>The settings above apply to both outputs, irrespective of the source.</p>	
<p>Side Toolbar > Settings > System</p>	<p>System settings for the MimioDisplay's select an option to change or configure:</p> <ol style="list-style-type: none"> 1. WLAN 2. Ethernet 3. Hotspot 4. Bluetooth 5. Security & Privacy 6. Advanced Settings 7. Time & Date 8. Language & Keyboard 9. Power Settings 10. System 	

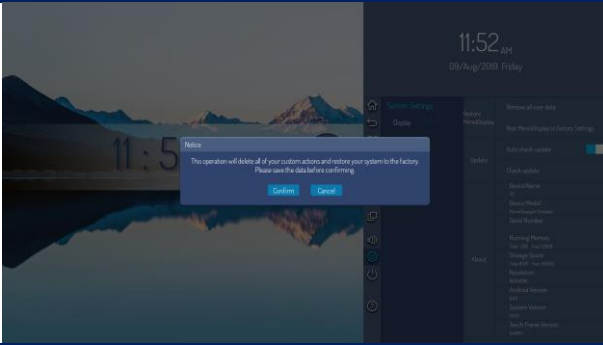

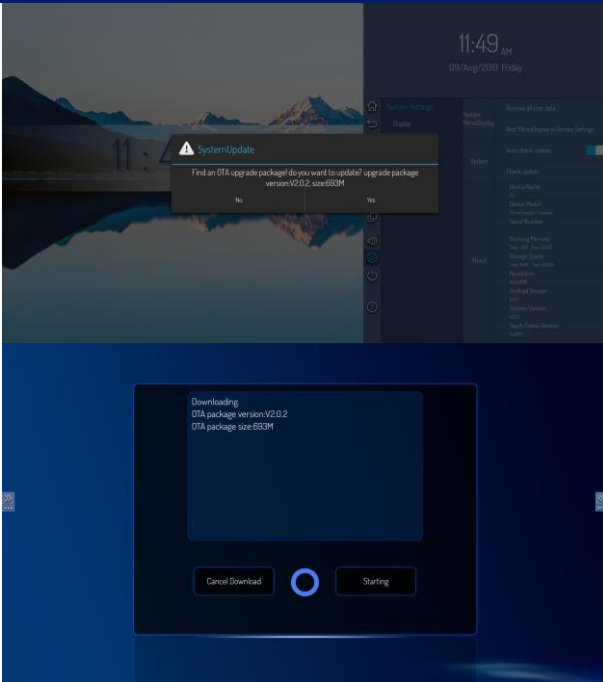
Area	Feature	Screenshot
Side Toolbar > Settings > System > WLAN	<p>Switch on/off WiFi and select an access point. Certificates can be installed, and hidden networks be added. The last known access points will be connected to automatically after the MimioDisplay has completed its boot-up sequence. The icon on the home screen will change and the time be updated (if set from the network).</p> <p>A known access point can be connected to or forgotten.</p>	
Side Toolbar > Settings > System > Ethernet	<p>Switch on Ethernet connection. Advanced network settings like a Static IP Address and Proxy can be set-up. To add a proxy, turn on settings to Manual and add the proxy server host address and port, you can define websites that the proxy does not apply.</p>	
Side Toolbar > Settings > System > Hotspot	<p>If the MimioDisplay is connected the LAN using Ethernet, then it can be used as a hotspot for a few devices in the room.</p> <p>Simply switch-on, name the hotspot, choose the security protocol (recommend WPA2 PSK) and create a password.</p>	
Side Toolbar > Settings > System > Bluetooth	<p>Turn on Bluetooth and connect to available devices. The MimioDisplay will advertise itself as "Realtek Bluetooth".</p> <p>To configure or forget a connected device press its setting's cog.</p>	
Side Toolbar > Settings > System > Security & Privacy	<p>To configure and change the MimioDisplay's Security & Privacy settings. The default password is "888888" and this can be changed. From here the administrator can set a lock screen that the end user must authenticate after boot-up. For the user to lock the screen it also needs to be enabled here.</p>	

Area	Feature	Screenshot
Side Toolbar > Settings > System > Advanced Settings	To configure the following Advanced Settings: <ol style="list-style-type: none"> 1. Gesture Mode 2. Remote Lock 3. Touch Lock 4. Keypad Lock 5. Hide Source 6. Automatic source switch 7. Setting Lock 8. Intelligent Protective Screen 9. HDMI OUT 10. ERP 	
Side Toolbar > Settings > System > Advanced Settings Gesture Mode	Gesture Mode – On / Off <ul style="list-style-type: none"> On - hides the side toolbar and it is enabled by a side swipe. 	
Side Toolbar > Settings > System > Advanced Settings Remote Lock	Remote Lock – On / Off <ul style="list-style-type: none"> On - disables all the buttons on the remote control except “Standby” 	
Side Toolbar > Settings > System > Advanced Settings Touch Lock	Touch Lock – On / Off <ul style="list-style-type: none"> On - disables the touchscreen. To turn lock off without the remote press the Back key on the keypad on the bezel. 	
Side Toolbar > Settings > System > Advanced Settings Keypad Lock	Keypad Lock – On / Off <ul style="list-style-type: none"> On - disables the buttons the bezel’s keypad. 	
Side Toolbar > Settings > System > Advanced Settings Hide Source	Select sources that will be hidden from selection by the end-user and turn-on. They will not be disabled, so features like HDMI-CEC and default source will still open a hidden source.	

Area	Feature	Screenshot
		
<p>Side Toolbar > Settings > System > Advanced Settings > Automatic source switch</p>	<p>For sources that support HDMI-CEC the administrator can define the priority for source switch when live video feed is a started through a port.</p> <ul style="list-style-type: none"> • Enable Automatic Source Switch. • Define Source Priority – Sources on 1 will override Sources on 2, 2 will override 3, etc. If two sources have the same priority then the new video feed will switch from the current. 	
<p>Side Toolbar > Settings > System > Advanced Settings > Setting Lock</p>	<p>Lock the Settings Menu – On / Off</p> <ul style="list-style-type: none"> • On – Enter the Admin Password to enable and a user will then need to enter the password to change the MimioDisplay's settings. 	
<p>Side Toolbar > Settings > System > Advanced Settings > Intelligent Protective Screen</p>	<p>Intelligent Protective Screen – On / Off</p> <ul style="list-style-type: none"> • On - To prevent image retention due to static frame displayed for a long time which may causes electric burning injury to LCD 	
<p>Side Toolbar > Settings > System > HDMI OUT</p>	<p>HDMI – choose resolution output</p> <ul style="list-style-type: none"> • 1920 x 1080 (HD) • 3840 x 2160 (4K UHD) 	

Area	Feature	Screenshot
Side Toolbar > Settings > System > Time & Date	Set your timezone and choose a 12-hrs or 24-hrs clock. It is recommended that you choose to automatically determine the date and time from the network.	
Side Toolbar > Settings > System > Language & Keyboard	Set the language of your choice from our wide range of translations.	
Side Toolbar > Settings > System > Power Settings	To configure the following settings: <ol style="list-style-type: none"> 1. Wake On LAN 2. Source When Power On 3. Hibernate to Stand-by 4. Enable Automatic Power-On 5. Off time 	
Side Toolbar > Settings > System > Power Settings > Wake On Lan	Allows the IFPD to be remotely turned on.	
Side Toolbar > Settings > System > Power Settings > Source When Power On	Set the source of what you want the panel to start on between these options: <ol style="list-style-type: none"> 1. Last Source 2. Android 3. VGA 4. AV 5. YPBPR 6. OPS 7. DP 8. HDMI (front) 9. HDMI1 10. HDMI2 	

Area	Feature	Screenshot
Side Toolbar > Settings > System > Power Settings > Hibernate to Stand-by	Set how long you want the panel to stay on until it hibernates when it doesn't have an active source.	
Side Toolbar > Settings > System > Power Settings > Enable Automatic Power-On	Toggle to enable automatically power on when the MimioDisplay is connected to a power source.	
Side Toolbar > Settings > System > Power Settings > Off Time	Set the days and time you want the panel to power off.	
Side Toolbar > Settings > System > System	From the System menu the user can: <ol style="list-style-type: none"> Restore MimioDisplay – Remove all User Data Restore MimioDisplay – Reset to Factory Settings Auto check Update Check update 	
Side Toolbar > Settings > System > System > Restore MimioDisplay – Remove all User Data	Removes all user data, including documents, images and videos.	

Area	Feature	Screenshot
<p>Side Toolbar > Settings > System > System > Restore MimioDisplay - Reset to Factory Settings</p>	<p>Restores the MimioDisplay android to its original state by deleting all user changes.</p>	
<p>Side Toolbar > Settings > System > System > Auto check Update</p>	<p>Enabling Auto Check Update will notify you when an update for your MimioDisplay is pushed to our OTA server.</p>	
<p>Side Toolbar > Settings > System > System > Check update</p>	<p>Check Update will allow you to check our server for any Firmware Update that is available for your MimioDisplay.</p>	

Cleaning

Unplug the power cable from the socket before cleaning the Interactive Touchscreen. Do not use volatile solvents (such as alcohol, rosin, and toluene) to clean the Interactive Touchscreen. These types of chemicals might damage the housing.

Cleaning the Bezel and Remote Control

Use a 100% cotton cloth or micro-fibre cloth for cleaning. If the remote control or bezel is dirty to the point where you cannot simply dry wipe it, lightly dampen the cleaning fabric with clean water and wipe it. Use only lightly dampened fabric to avoid malfunction and possible permanent damage to electronic components. Finally, wipe the Interactive Touchscreen dry with a dry micro-fibre cloth or 100% cotton cloth.

Troubleshooting

Go to global.boxlight.com/support for more troubleshooting options, below are common issues.

Symptom	Possible Cause	Solution
Display will not come on. Backlight is off, there is no sound, and the indicator light does not come on	A loose power cable or power connection failure is a common cause.	Check if the power cord is properly connected. Try a different power cord.
Pictures shown on the product have dotted line or stripe interference	Signal interference caused by mobile, neon light, electric motor, etc.	Try to find out the machine that affect the product, and then put them away from the product, or insert the power plug to another socket.
Short remote control distance, malfunction of remote control	<ol style="list-style-type: none"> The remote receiver of the product is blocked by some other object Battery level of the remote control is low 	Move the object to avoid blocking the remote receiver. Replace the battery.
The product gets stuck, crashes or cannot be operated	<ol style="list-style-type: none"> Too many programs are running Normal operation of the product is disturbed by external environment (e.g., lightning, static electricity) 	Disconnect the product from power supply; wait for 1-2 mins and reconnect power supply; then restart the product.
The touch is slow, it doesn't work	Too many programs are running	Clean up a program that runs memory large or restart the product.
OPS can't be turned on, no display, no touch	OPS has not been fixed well	Reinstall the OPS computer.
Touch excursion	Caused by the computer's coordinate system, need to do some correction.	Enter the control panel to select the correction processing.
Invalid touch to the external computer	<ol style="list-style-type: none"> The signal source is inconsistent with the corresponding interface of the touch USB cable the touch USB cable is too long or of low quality 	<ol style="list-style-type: none"> Check and change the corresponding interface of the touch USB cable, Change another shorter or better-quality touch USB cable.

Toxic / Hazardous Substances

Component	Toxic and Hazardous Substances or Elements					
	Pb	Hg	Cd	Cr ⁶⁺	PBB	PBDE
Display screen	X	O	O	O	O	O
Housing	O	O	O	O	O	O
PCBA*	X	O	O	O	O	O
Power cord and cables	X	O	O	O	O	O
Metal parts	O	O	O	O	O	O
Packing *	O	O	O	O	O	O
Remote control	X	O	O	O	O	O
Speaker	X	O	O	O	O	O
Accessories *	O	O	O	O	O	O

This table has been prepared in accordance with SJ/T11364.

*: PCBA includes the PCB and its electronic components;
Packaging materials include the carton, EPS, etc.
Other accessories include the User's Manual, etc.

O: The content of such toxic/hazardous substance in all homogeneous materials of such component falls within the content limit specified in GB/T26572-2011.

X: The content of such toxic/hazardous substance in one or more homogeneous materials of such component goes beyond the content limit specified in GB/T26572-2011.

As shown in the above table prepared based on the data provided by our material suppliers for each type of materials and verified by the manufacturer, this product contains hazardous substances. The hazardous substances contained in some materials are irreplaceable at the current technological level albeit every effort is taken to avoid usage.

The environment— through normal use and working conditions as specified in the User's manual this product is expected to last 10 years (see the pollution control symbol in the right figure).



Compliance Statements

EU

Boxlight Group hereby declare that the equipment is in compliance with the Low Voltage Directive 2006/95/EC and the Electromagnetic Compatibility Directive 2004/108/EC.

The equipment meets the following conformance standards: EN 55032, EN 55024 and EN 60950-1.

Please contact Boxlight Group for a copy of the Declaration of Conformity if required.

WARNING: This is a Class A product.

In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Waste Electrical and Electronic Equipment (WEEE)

When you no longer need this product or at the end of its service life please send the device to a local recycler with recognized qualification, according to the applicable laws and regulations, on recycling of waste electrical and electronic products.



MimioDisplay 3 Installation & User Guide - UKENG0919 ©2019 Boxlight Group Ltd. All Rights Reserved.
Products are subject to availability by country. Product Specifications are subject to change without notice.