

iShare X100

Wireless Presentation System (BYOD)
Datasheet V1.0

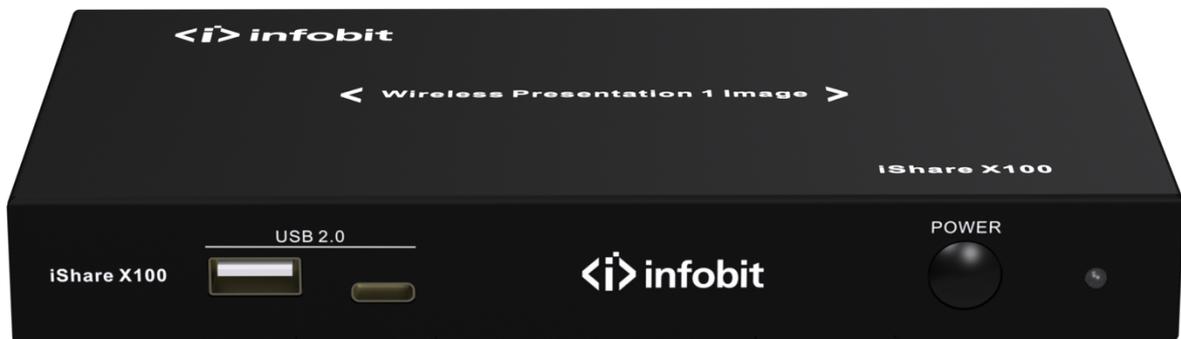


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1. OVERVIEW

The INFOBIT iShare X100 is a cost-effective wireless presentation system for small to medium-sized meeting rooms, classrooms, and huddle spaces. It allows people to (BYOD) Bring Your Own Devices to share content anywhere they sit and easily collaborate with others without any public contact. It helps conference or training went on safely as normal, with the least contact and required social distance. It enables laptop users simply use the plug & play dongle to share the PC content to the display. Mobile phones and tablets users can be shared just as easily via Airplay, Miracast, Chromecast, or iShare X Android app.

2. FEATURES

- Pure wireless presentation experience, (BYOD) Bring Your Own Devices, no cable messy.
- Wireless content input up to 4K, HDMI 2.0 output.
- Support native wireless mirroring protocols like Airplay, Miracast, Chromecast.
- Support plug-n-play HDMI/Type-C dongles for wireless presentation.
- Support Android, macOS and Windows APP for wireless presentation.
- Support wireless touch back on interactive whiteboard/touch screen.
- Best-in-class data security and high standard encryption.
- Support moderator mode with preview function.
- Support whiteboard and annotation.
- Customizable home screen page.
- Central management platform available.
- Support 1 image per screen.

3. SPECIFICATION

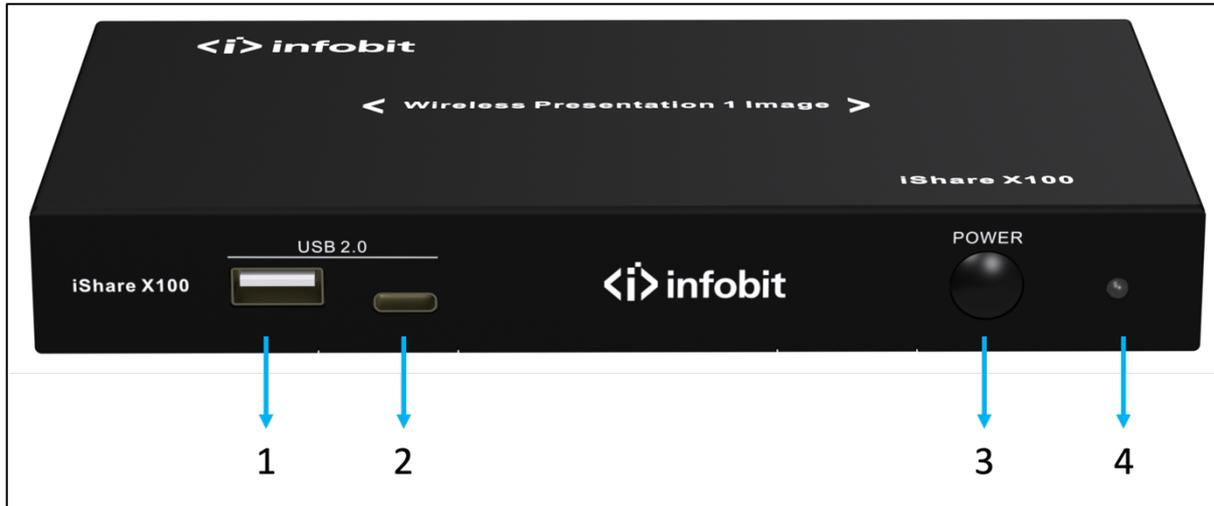
Model	iShare X100
Images per screen	Max. 1 image
HDMI output	1x HDMI 19-pin female connector
Video Output Resolution	3840x2160@60Hz, 3840x2160@30Hz, 1920x1080@60Hz
Format Compliance	HDMI1.4/HDMI2.0
Video Capacity	1080P @ <60Hz Airplay for iOS devices
	1080P @ <60Hz "iShareX" app
	1080P @ <60Hz for iShare HX, iShare CX; 4K30 for iShare HX4 and iShare CX4.
HDCP	HDCP1.4/HDCP2.2



Analog Audio Output	1x 3.5mm PC audio female connector
LAN port	1x RJ45, 1,000Mbps
USB interface	1x USB3.0, 1x USB 2.0, 1x Type-C
Audio Input	AirPlay, Windows/MAC, WirelessMedia
Number of window simultaneous on screen	1+15 (1 main windows + 14 thumbnail windows)
Number of simultaneous connections	≥16
Data rate in wireless	Up to 1,200Mbps
Video Playback Frame Rate	20-60 FPS
Latency	< 100ms, Min 20ms
Wireless transmission protocol	WIFI IEEE 802.11 a/g/n/ac
Frequency band	2.4 GHz & 5 GHz
WIFI Antenna	MIMO 2x2
Dimension (W x D x H)	165mm x 95mm x 24.5mm
Weight	200g (0.4lbs)
Temperature	-4° ~ +140° F (-20° ~ +60° C)
Humidity (Storage / Operating)	20%-90% (non-condensing)
DC Power	12V

4. HARDWARE

4.1 FRONT PANEL



ID	Name	Description
1	USB-A	USB port, for dongle pairing, mouse control, USB touch screen etc.
2	USB Type-C	Type-C port, for dongle pairing.
3	Power Button	Turn on or off the device.
4	LED indicator	Initializing indicates RED, power on indicates flashing GREEN, "Ready to share" indicates static GREEN, "Sharing" indicates static cyan.

USB-A port

- Used for updating the new firmware to the iShare X100.
- Used for pairing the dongle and base unit when the transmitter is plugged in.
- Used for connecting a mouse to create/upgrade Launcher by clicking Download button, hide SSID, PASS, Wifi IP and Lan IP by clicking Info, check Security level button and control PC source device, when a PC desktop is mirroring to the screen by the dongle.
- Used for connecting a USB-based touch screen to create/upgrade Launcher by clicking Download button, hide SSID, PASS, Wifi IP and Lan IP by clicking Info, check

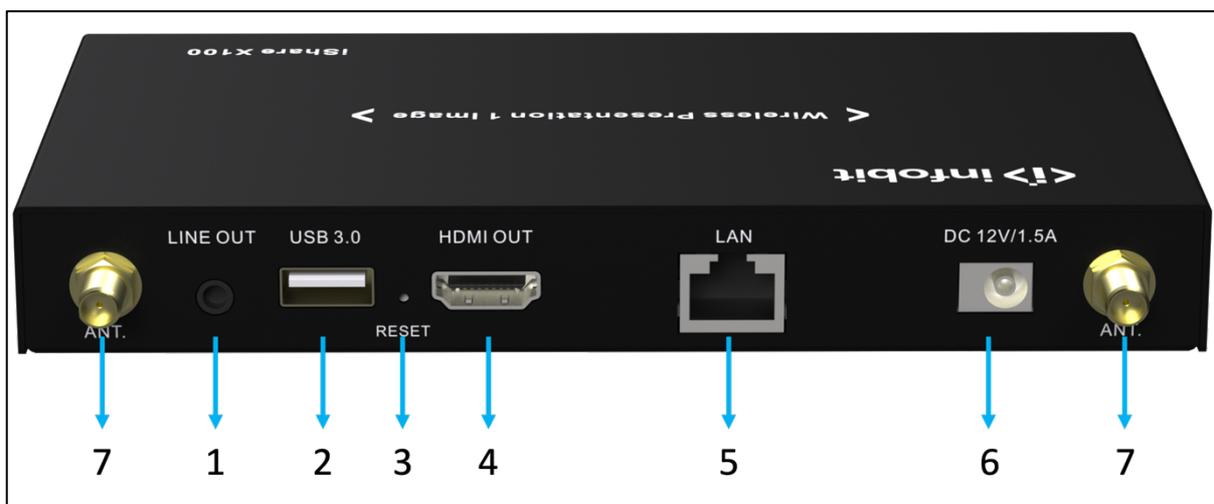
Security level button and control PC source device, when a PC desktop is mirroring to the screen by the dongle.

- Used for creating or upgrading Launcher by clicking Download button, when a USB stick is plugged in.

Type-C port

- The Type-C port is used for pairing Type C dongle.

4.2 REAR PANEL



ID	Name	Description
1	Line audio output	2 channel analog audio output, connect a 3.5mm mini-jack PC connector.
2	USB3.0 connector	USB port, for USB dongle pairing, mouse control, USB touch screen etc.
3	Reset	Reset button to restore to the factory default setting.
4	HDMI output	Connect an HDMI 2.0 cable to an HD or 4K display.
5	LAN Ethernet	1,000Mbps, connect an Ethernet cable between iShare X100 to LAN.
6	DC Power	Connect the included power adapter.
7	Antennas	Screw up the included two antennas.

USB-A port

- Used for updating the new firmware to the iShare X100.



- Used for pairing the dongle and base unit when the transmitter is plugged in.
- Used for connecting a mouse to create/upgrade Launcher by clicking Download button, hide SSID, PASS, Wifi IP and Lan IP by clicking Info, check Security level button and control PC source device, when a PC desktop is mirroring to the screen by the dongle.
- Used for connecting a USB-based touch screen to create/upgrade Launcher by clicking Download button, hide SSID, PASS, Wifi IP and Lan IP by clicking Info, check Security level button and control PC source device, when a PC desktop is mirroring to the screen by the dongle.
- Used for creating or upgrading Launcher by clicking Download button, when a USB stick is plugged in.

Factory Reset

- Start up the Base unit.
- When the Home Screen is shown up, press the reset button. Press this button for at least 2 seconds with a pointed object, e.g. an unbent paper clip until the “Factory Reset” page is shown up as below.
- The Base unit will reboot after 3 seconds to be default configuration.
- If you do not have a picture, press and hold the reset button until the red LED in the top panel will be lit, to execute the reset.

NOTE: All previous settings will be lost, and you will need to do the set-up once more.

5. DONGLES

iShare HX, iShare CX, iShare HX4, iShare CX4 are dongles, which is used for toggling the mirroring from personal PC or MAC desktop on the main screen.

Model	Connectors	Resolution	OSD	FREEZE
iShare HX	HDMI+ USB A	1080p	NO	NO
iShare CX	USB C	1080p	NO	NO
iShare HX4	HDMI+ USB A	4K30	YES	YES
iShare CX4	USB C	4K30	YES	YES

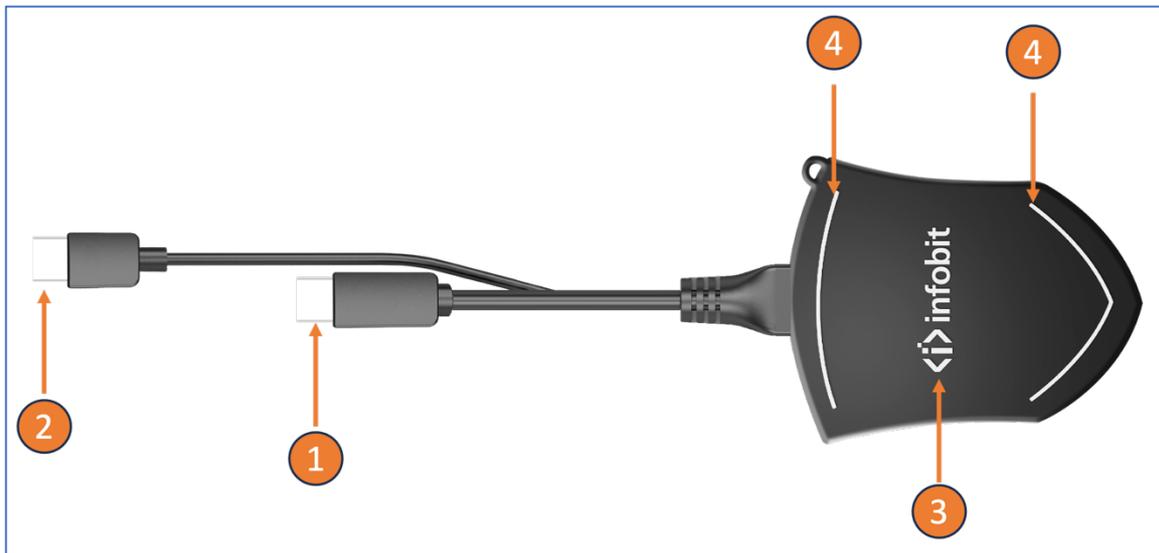
LED ring indicator behavior

- When LED indicator is in static green, it's ready to mirror your PC desktop on the main screen.
- When LED indicator is in static red:
(1) it's mirroring your PC desktop on the screen,
(2) pairing is done. You can now unplug the Button from the base unit.
- When LED indicator is in blinking Green:

- (1) The button is plugged in the laptop and initializing or waiting for user to start the iShareX application
- (2) Pairing/software upgrading of the button in the Base Unit is in progress.

- When LED indicator is Off (no light)
 - (1) The button is not plugged in the PC/Laptop.
 - (2) The button is defective
 - (3) The USB port or computer might be defective.

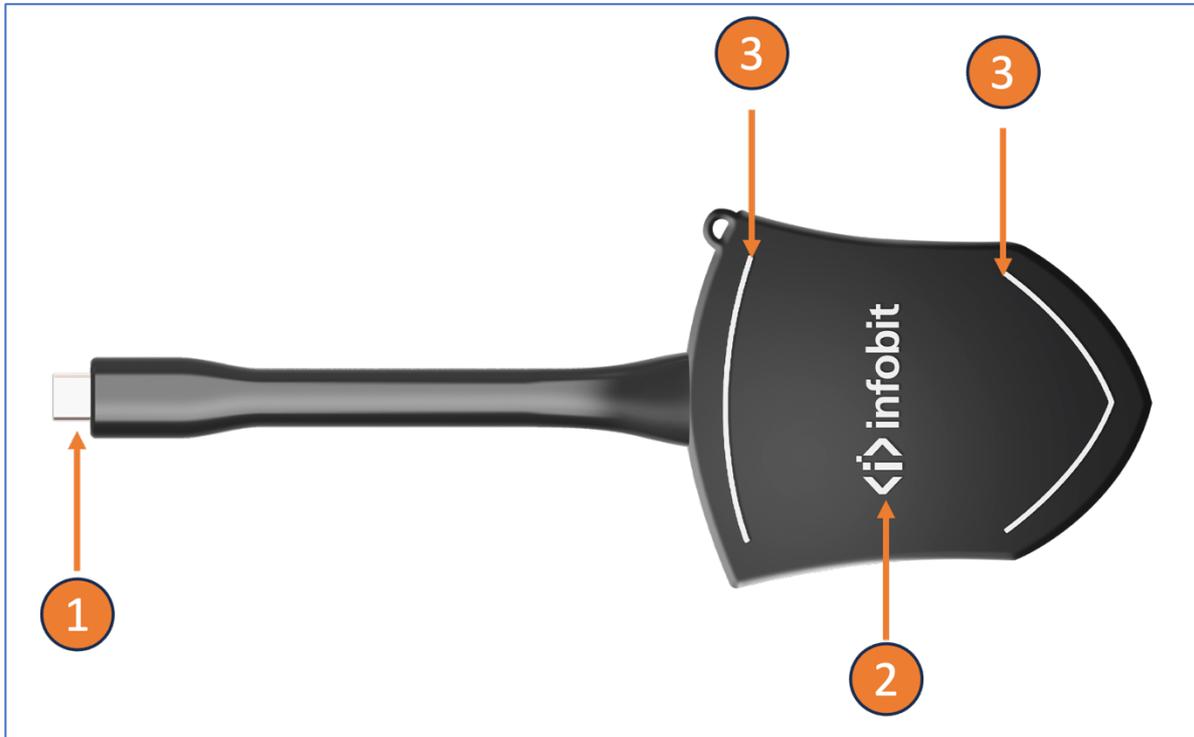
5.1 ISHARE HX



ID	Name	Description
1	HDMI connector	Using HDMI connector of the button can be plugged into a PC/Laptop for sharing your screen.
2	USB-A connector	Supply power or plug into the base unit for pairing the Button to the Base Unit or upgrade the dongle.
3	Touch button	Touch the button to start or stop mirroring.
4	LED ring indicator	Indicates the status of the button.

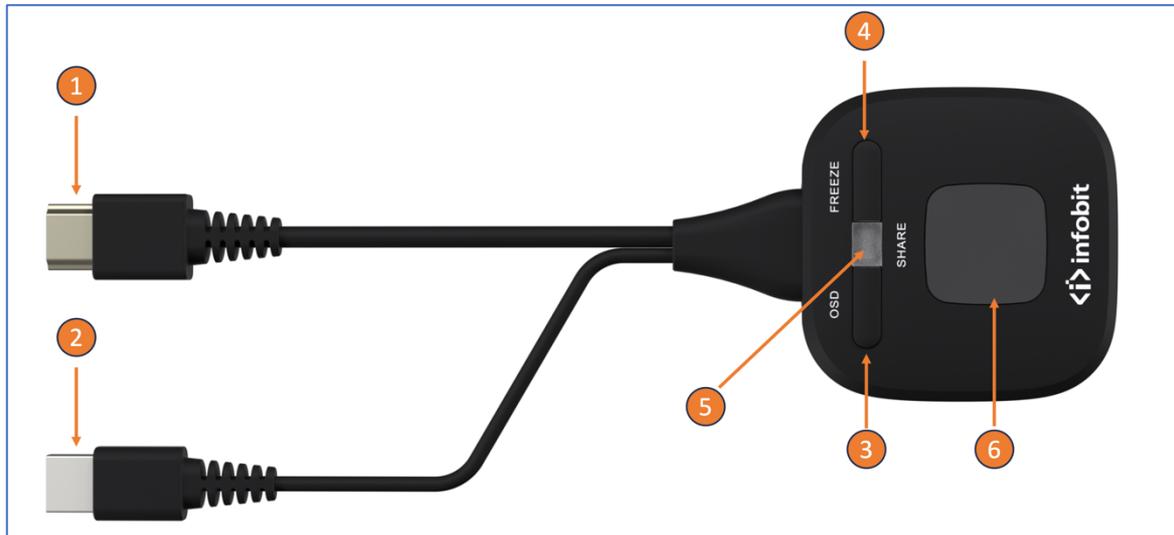
5.2 ISHARE CX

The **iShare CX** is a fully functional type-C interface with DP Alt-mode, which supports audio and video transmission. Thus, PC's type C connector also requires fully functional.



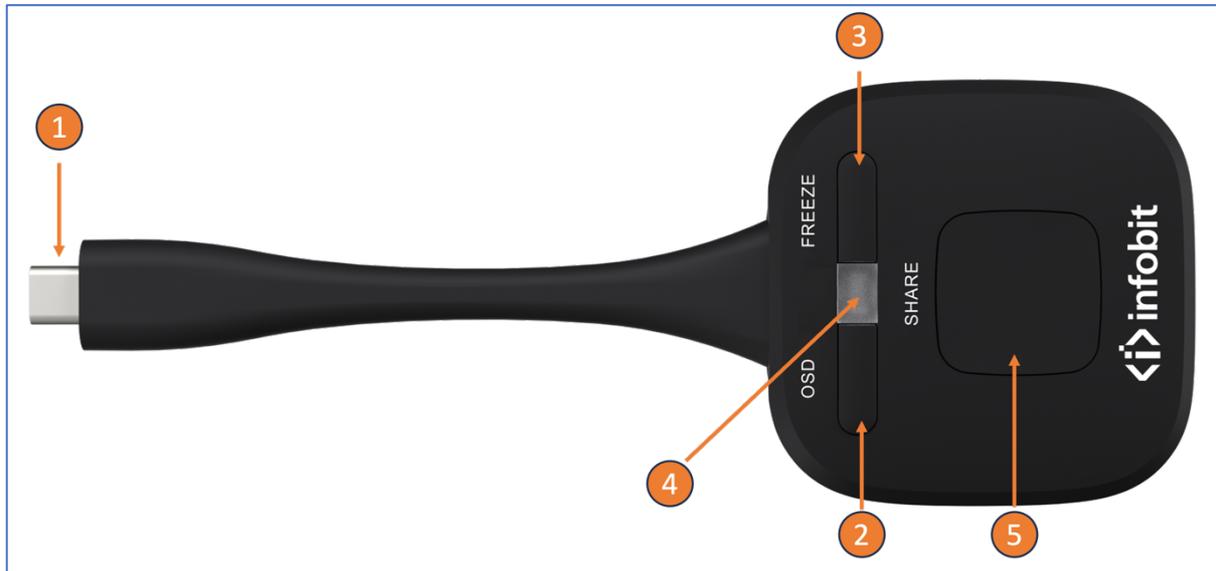
ID	Name	Description
1	USB-C connector	Using Type C (DP) connector of the button can be plugged into a PC/Laptop for sharing your screen.
2	Touch button	Touch the button to start or stop mirroring.
3	LED ring indicator	Indicates the status of the button.

5.3 ISHARE HX4



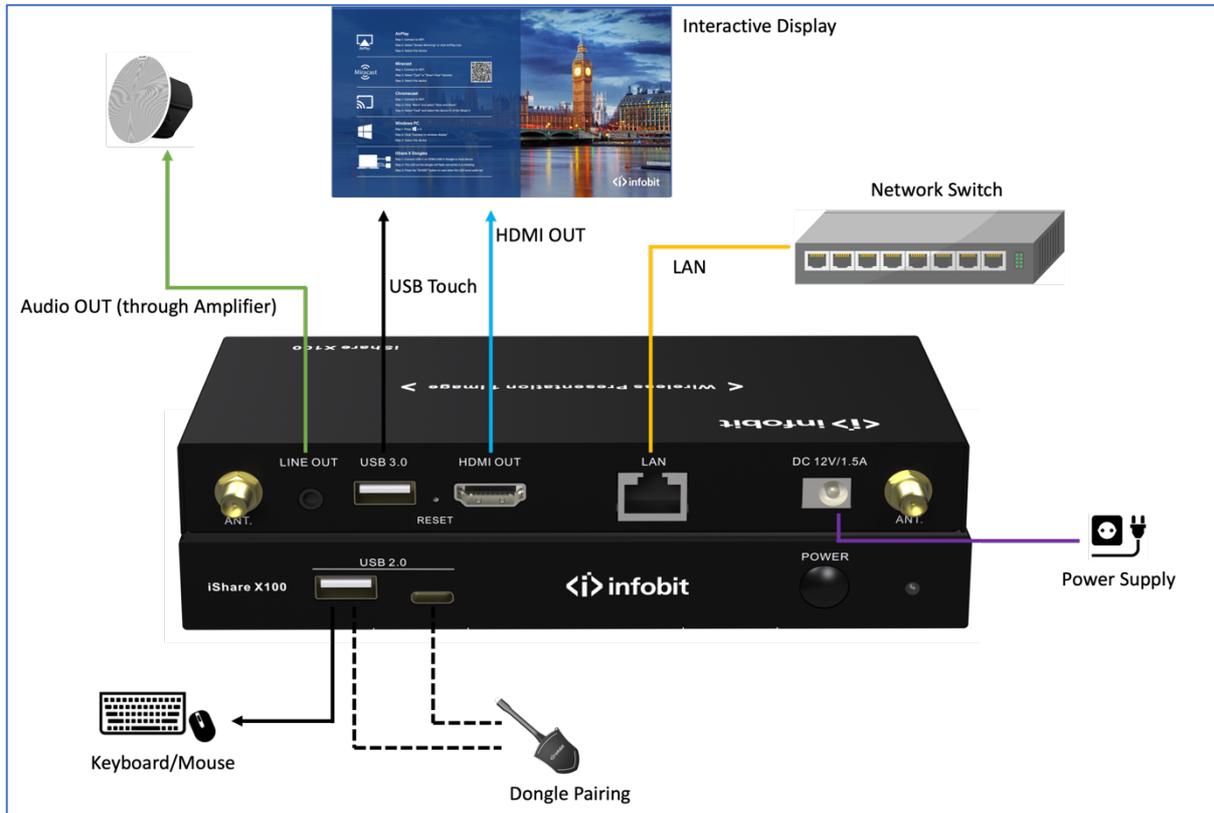
ID	Name	Description
1	HDMI connector	Using HDMI connector of the button can be plugged into a PC/Laptop for sharing your screen.
2	USB-A connector	Supply power or plug into the base unit for pairing the Button to the Base Unit or upgrade the dongle.
3	OSD	To show OSD information on the Home Screen. (The OSD will disappear automatically after 5 seconds)
4	FREEZE	To freeze the mirroring image.
5	LED ring indicator	Indicates the status of the dongle.
6	Touch button	Touch the button to start or stop mirroring.

5.4 ISHARE CX4



ID	Name	Description
1	USB-C connector	Using the USB C connector of the button can be plugged into a PC/Laptop for sharing your screen.
2	OSD	To show OSD information on the Home Screen. (The OSD will disappear automatically after 5 seconds)
3	FREEZE	To freeze the mirroring image.
4	LED ring indicator	Indicates the status of the dongle.
5	Touch button	Touch the button to start or stop mirroring.

6.0 WIRING & CONNECTION



Power Connection

The base unit is equipped with an external universal power adapter for convenient operation.

- Connect the power connector to the power adapter to the power input connector of the Base Unit.
- Connect the power cable plug to the wall outlet.
- Switch the base unit on.

Video Connection

- Connect the HDMI output of the base unit to a 4K or Full-HD display using an HDMI cable.
- Once the system is operational, the home page will be displayed as shown below.

Audio Connection

The dongle enables the transmission of audio output from the PC/laptop to the base unit. Additionally, audio can be output to the jack socket 3.5mm connector and via the HDMI output connectors simultaneously.

- Connect an audio cable with a mini jack socket 3.5mm connector into the audio input of the Base Unit.



- Connect the other end to the meeting room's sound system, like DSP, Power Amplifier, etc.

Sound is not sent out.

- Once the PC/laptop has successfully mirrored the desktop to the main screen, iShare X100 will begin capturing and transmitting the audio.
- To ensure a successful connection, please verify that the button is displaying a static green color and that the PC/laptop is sharing on the screen.
- Additionally, we recommend reviewing the settings to adjust the volume as needed. This can be done by navigating to the iShareX settings tab.

PC/Lap Sound

- By default, the iShare X100 will mute the internal speaker of the PC/Laptop and route the audio to the base unit. This is done after the PC/Laptop has successfully mirrored the desktop to the main screen. This avoids the repeated audio that would otherwise occur.
- When the button to stop sharing is clicked, the local loudspeaker will return to its previous status. The volume on the PC/Laptop can then be adjusted.

LAN Connection

The Base Unit can be connected to a local network or directly to a PC/laptop. A LAN connection is not required for normal operation. It is recommended that the iShare X100 be connected to the Internet when necessary.

- Connect a network cable with an RJ-45 connector to the LAN port on the Base Unit.

USB Device Connection

It supports USB control through either USB keyboard/Mouse or interactive touch display.

- To configure the security level, please click the DOWNLOAD BUTTON and select INFO.
- To manage the sharing of your PC or laptop.
- To activate system upgrades
- For use as a whiteboard or for annotation during a presentation, iShareX transmits video, audio, and the USB-HID function for mouse control and click functions of a touchscreen. Please connect the touch interface of your screen to the USB port on your laptop or PC.

USB keyboard/mouse control

- Single click to select.
- Right-click to back to the Home Page.

Touch screen control

- To interact with the screen using touch and gesture controls.



- To open contextual menus by long-pressing the screen, which is equivalent to double-clicking or right-clicking with a USB mouse. Long press to open the contextual menus, as double-click or click the right button of a USB mouse.