

互動控制盒

Interactive Control Box AVer CB-310

簡易安裝手冊/Quick Guide

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安全警告及注意事項

本產品在設計時已經考慮了確保人身的安全因素，並在出廠時經過嚴格的測試。但不正確的安裝、使用可能會導致電擊與火災等危害，為了確保安全及延長本產品的使用壽命、保證本機的最佳性能得于充分發揮，請在使用本產品之前仔細閱讀理解所有使用說明及銘牌標示，認真遵守安全注意事項，並妥善保存好使用說明書，以備日後使用。

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。



若產品上標有打叉記號的滾輪垃圾桶，表示不得將產品與其他家用垃圾一同丟棄。請將廢棄的設備交由指定之廢電機電子設備回收站處理。關於處理廢棄設備之詳細資訊，請洽當地的家庭垃圾處理服務處或您購買產品的商家。

遙控器電池安全資訊

- 請將電池存放在涼爽與乾燥的位置。
- 不要將電量用盡的電池棄置在家庭廢棄物中。請將電池棄置在特定回收處，或送回原購買的商店。
- 如果長時間不使用電池，請將其取出。電池漏液與腐蝕可能會損壞遙控器，請以安全方式棄置電池。
- 不可混用新舊電池。
- 不可混用不同類型的電池：鹼性、標準(碳鋅)或可充電(鎳鎘)電池。
- 不可將電池棄置於火源中。
- 請勿嘗試讓電池端子短路。

單元Unit	限用物質及其化學符號					
	鉛Lead (Pb)	汞Mercury (Hg)	鎘Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁺⁶)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
電路板及零組件(電子料或電機料...等)	-	○	○	○	○	○
塑膠組件(外殼或導電泡棉...等)	○	○	○	○	○	○
金屬組件(鐵殼或鐵條或螺柱...等)	-	○	○	○	○	○
配件(電源供應器或遙控器或電纜線...等)	-	○	○	○	○	○
紙製品及包裝件(紙盒或手冊或泡殼...等)	○	○	○	○	○	○

備考 1. “超出 0.1 wt %” 及 “超出 0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值。
 Note 1 : “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.
 備考 2. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。
 Note 2 : “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.
 備考 3. “-” 係指該項限用物質為排除項目。
 Note 3 : The “-” indicates that the restricted substance corresponds to the exemption.



警告、發燙表面、請勿碰觸

在移動產品之前，請移除所有外部連接線材並關閉設備電源，設備的底部溫度較高需注意安全防止受傷。

手冊、線上教學影片和保固資訊，請到下面所列網址查尋或下載：

<http://tw.presentation.aver.com/download-center/>

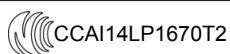
連絡資訊

圓展科技股份有限公司

新北市 236 土城區大安路 157 號 8 樓

電話：02-2269-8535

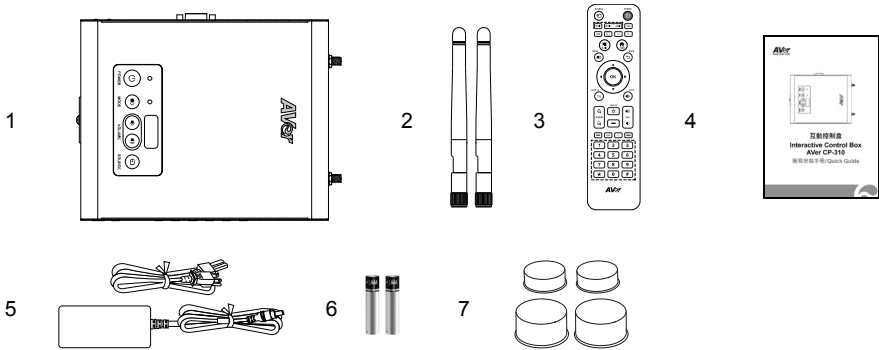
網址：<http://tw.aver.com/technical-support>



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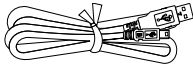
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包裝內容物



1. CB-310 互動控制盒
2. 無線天線
3. 遙控器
4. 簡易安裝手冊
5. 電源線和變壓器
6. AAA 電池(遙控器使用)
7. 腳墊 x 4
(可用於黏貼在 CP-310 機身底部的四角)

選配配件

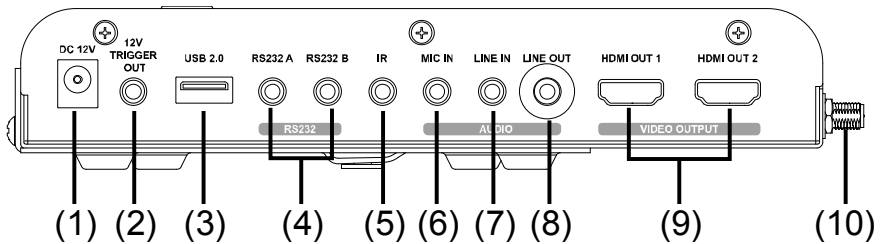


USB 線



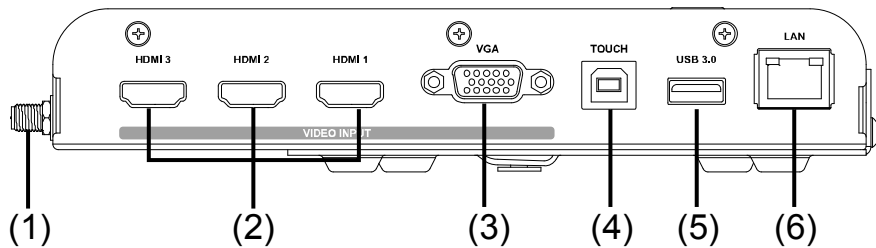
HDMI 線

連接埠



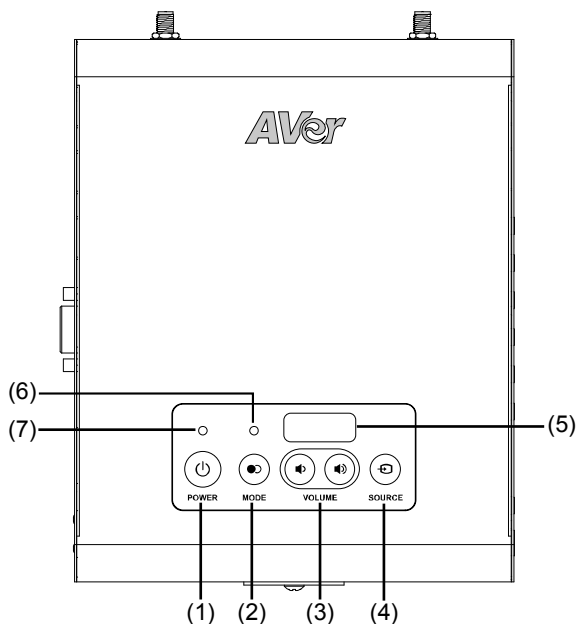
編號	說明	編號	說明
1	DC 電源孔	6	麥克風輸入埠
2	12V 輸出啟動埠	7	音源輸入埠
3	USB 2.0 埠	8	音源輸出埠
4	RS232A 和 RS232B 埠	9	HDMI1 和 HDM2 輸出埠
5	IR 延長線孔	10	天線連接孔

連接埠(接續)



編號	說明
1	天線連接孔
2	HDMI 1、HDMI2、HDMI3 輸入埠
3	VGA 輸入埠
4	Touch-USB 埠
5	USB 3.0 埠
6	網路埠(1Gbps)

互動控制盒按鈕

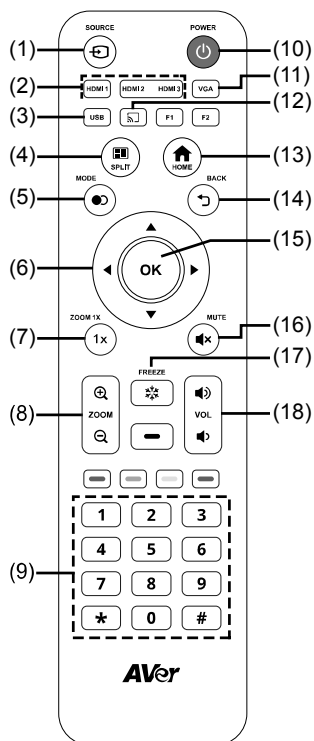


編號	說明
1	電源鈕
2	模式切換鈕
3	音量調整鈕
4	輸入源選擇鈕
5	紅外線接收區域
6	模式切換燈號(見下表)
7	電源燈號(見下表)

燈號	說明
電源	<ul style="list-style-type: none"> - 開機: 綠燈 - 待機: 紅燈 - 關機: 無燈號 - 版本升級: 紅燈閃爍 - 螢幕關閉: 綠燈
模式	<ul style="list-style-type: none"> - 基本模式: 亮燈 - 進階模式: 燈滅

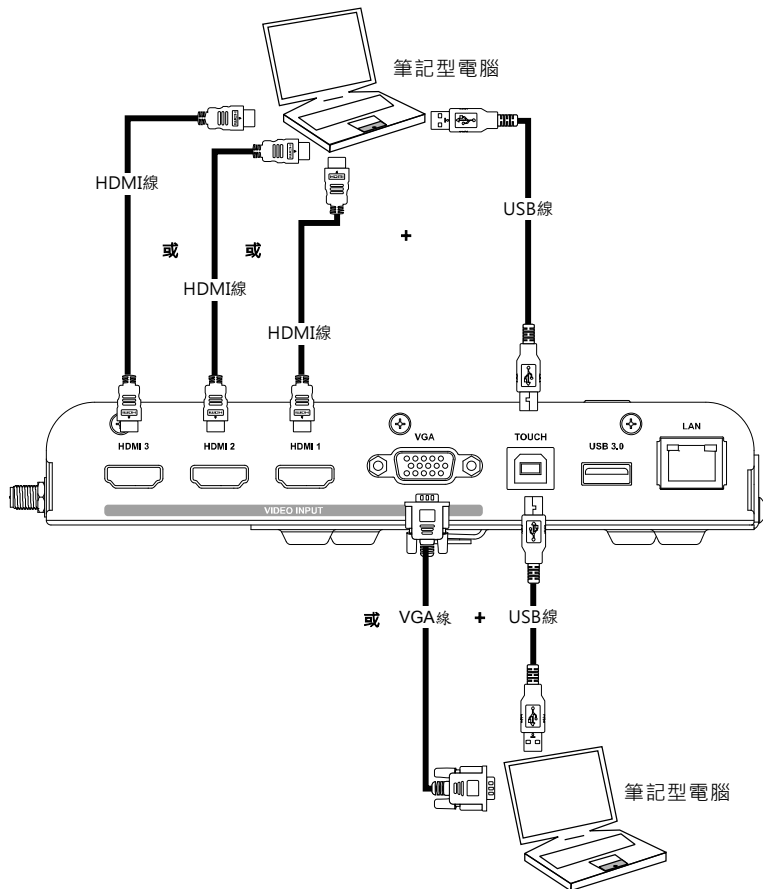
遙控器介紹

使用遙控器來操作互動控制盒的功能，使用前請先安裝內含的電池。

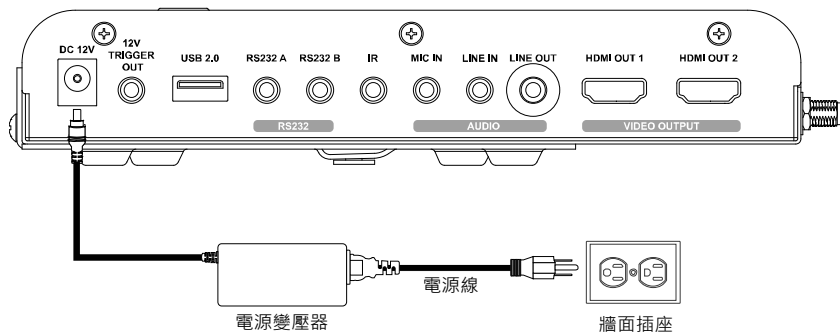


名稱	功能
(1)	呼叫出輸入源選單。
(2)	切換到 HDMI1/HDMI2/HDMI3 連接的設備輸入畫面。
(3)	切換到 USB 裝置的輸入源畫面。
(4)	切換到分割畫面設定。
(5)	在一般和進階模式間切換。
(6)	方向鍵，可用於移動來選擇選項。
(7)	從縮放的畫面回到原本畫面比例。
(8)	放大或縮小影像畫面。
(9) 0~9 數字鍵	數字鍵，可用於輸入時使用。
(10)	呼叫出關機選單，使用▼和▲選擇「螢幕鎖定」、「重新啟動」或「關機」選項，選擇好了按「OK」鍵確定。
(11)	切換到 VGA 連接的輸入源畫面。
(12)	呼叫出鏡像分享軟體。
(13)	回到主畫面。
(14)	回到上一頁或上一選項。
(15)	確定選項。
(16)	切換為靜音模式。
(17)	暫時凍結畫面，無法操作功能。再按一次可解除凍結。
(18) 音量 +/-	調整系統音量大小。

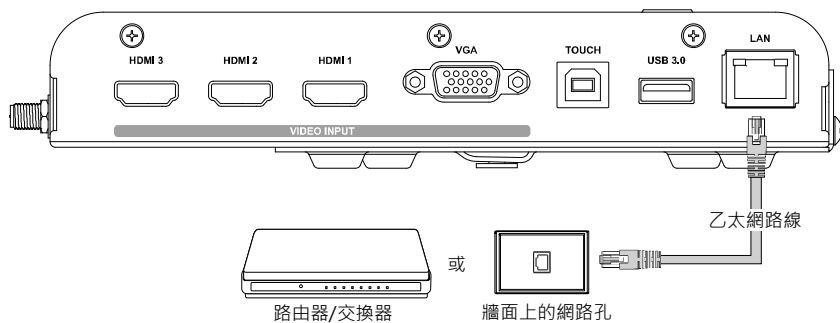
連接電腦/筆記型電腦



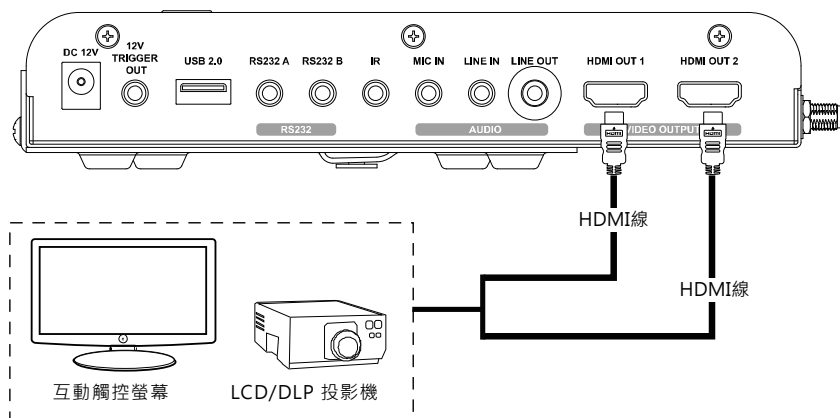
電源連接



連接網路



HDMI 輸出連接



壁掛安裝

鎖附於互動控制盒底部的壁掛安裝方式，請參見使用手冊，網址如下：

<http://tw.presentation.aver.com/download-center/07/-1/2269/182>

首次啟動

將電源連接到牆面上的電源插座。然後按下電源開關啟動互動控制盒。首次啟動會進入到設定嚮導。其設定嚮導會引導進行下列設定，請遵循其引導完成設定。







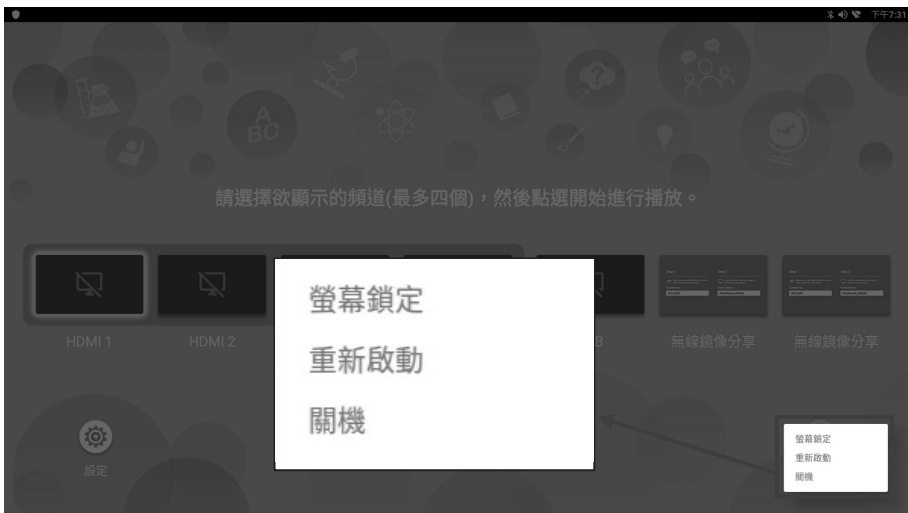
- **語言：**選擇系統語言，點選 ▼ > 「繁體中文」。
- **無線網路設定：** 啟動無線網路功能並連接無線網路。點選無線網路啟動，系統會搜尋可連接的無線網路，選擇然後連接。如不使用無線網路，請記得連接網路線。
- **設定日期和時間：**設定目前的日期和時間。預設是「自動判斷日期和時間」。使用者可自行設定日期與時間。
- **創建裝置的別名：** 此名稱會用做於做鏡像分享時的識別名稱。名稱最長 20 個字元，系統會給一個預設名稱，若不想變更可直接套用。選擇「保存」完成設定。
- **韌體更新：**在設定好裝置別名後，系統會偵測並看是否有無更新版本於網路上，若有最新版本，則會自動更新。若無更新，會顯示訊息於螢幕上。
- **安裝 Google 應用程式：**點選「安裝」開始安裝。
- **登錄：** 在系統重新啟動後，登入你的 Google 帳號。
- **開機訊號源設定：**選擇開機後要顯示的來源畫面(主畫面、HDMI1、HDMI2、HDMI3、VGA、USB 裝置、無線鏡像分享、上一次全螢幕顯示的訊號源)。然後可以開始使用互動控制盒。

在完成設定嚮導後，會進入到所選擇的訊號源畫面(下圖是選擇主畫面為開機後畫面)。



關機

在開機狀態下，按遙控器上的  >  鍵即可關機。或按互動控制盒上的電源鍵()，螢幕右下方會顯示選單，請選擇「關機」。或是長按按互動控制盒上的電源鍵()可直接關機。



無線網路連線

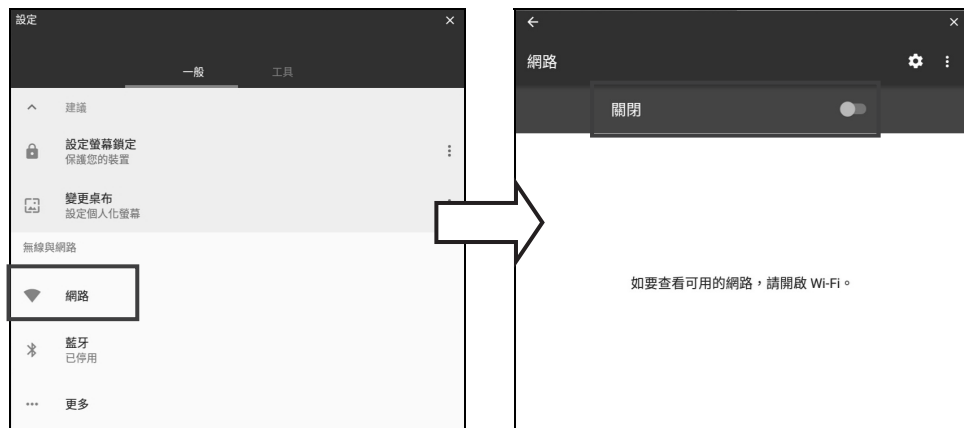
透過無線網路連接到無線 AP 上。

1. 點選「設定」。



2. 在設定頁選擇「網路」。

3. 開啟無線網路。



4. 選擇可連線的無線網路。



規格表

系統版本	Android 7.1
RAM/ROM	4GB DDR3/ 8GB
處理器	雙核心 ARM Cortex-A72 1.8Ghz 處理器和四核心 ARM Cortex-A53 1.4Ghz 處理器
GPU	ARM Mali-T860MP4
輸入 /輸出 (含解析度)	HDMI 輸入源 x3 (最高 1920x1080)
	VGA輸入源x1 (最高1920x1080)
	USB-type A x2
	HDMI 輸出源 x2 (系統最高支援4K解析度)
連接介面	USB-type B
網路	Giga-Ethernet
電源	12V/4A; 最大為500mA
壁掛	有
保固	3 年
作業環境	相對濕度：≤80 %
	工作溫度： 0 ~ +40°C以上
	儲存溫度： -10 ~ +60°C
尺寸(不含壁掛架)	190mm(L) x 154mm(W) x 33mm(H)
包裝尺寸	305mm(W) x 255mm(D) x 231mm(H)
淨重	2.7±0.1 kg

Federal Communications Commission Statement



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Europe – EU Declaration of Conformity

This device complies with the essential requirements of the Radio Equipment Directive (2014/53/EU). The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the Radio Equipment Directive (2014/53/EU)

DISCLAIMER

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WARNING

TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. WARRANTY VOID FOR ANY UNAUTHORIZED PRODUCT MODIFICATION.

Remote Control Battery Safety Information

- Store batteries in any cool & dry place.
- Do not dispose used batteries in domestic waste. Dispose batteries at special collection points or return to stores if applies.
- Remove the batteries if they are not in use for a long period of time. Battery leakage and corrosion can damage the remote control, dispose batteries safely.
- Do not mix and use old and new batteries.
- Do not mix and use different types of batteries: alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium).
- Do not dispose batteries in a fire.
- Do not attempt to short-circuit the battery terminals.

FOR PORTABLE DEVICE USAGE (<20m from body/SAR needed eg. BT dongle, smartphone)

Radiation Exposure Statement:

The product comply with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

FOR MOBILE DEVICE USAGE (>20cm/low power eg. AP routers)

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



THE MARK OF CROSSED-OUT WHEELED BIN INDICATES THAT THIS PRODUCT MUST NOT BE DISPOSED OF WITH YOUR OTHER HOUSEHOLD WASTE. INSTEAD, YOU NEED TO DISPOSE OF THE WASTE EQUIPMENT BY HANDING IT OVER TO A DESIGNATED COLLECTION POINT FOR THE RECYCLING OF WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT. FOR MORE INFORMATION ABOUT WHERE TO DROP OFF YOUR WASTE EQUIPMENT FOR RECYCLING, PLEASE CONTACT YOUR HOUSEHOLD WASTE DISPOSAL SERVICE OR THE SHOP WHERE YOU PURCHASED THE PRODUCT.



CAUTION

Hot Surface

Before you move the product, disconnect all external connections and power off the device. Move the product carefully to prevent you from being scalded, especially the device's bottom, which may cause safety issues.

Contact Information

Global

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Fremont, CA 94539, USA

Toll-free: 1(877)528-7824

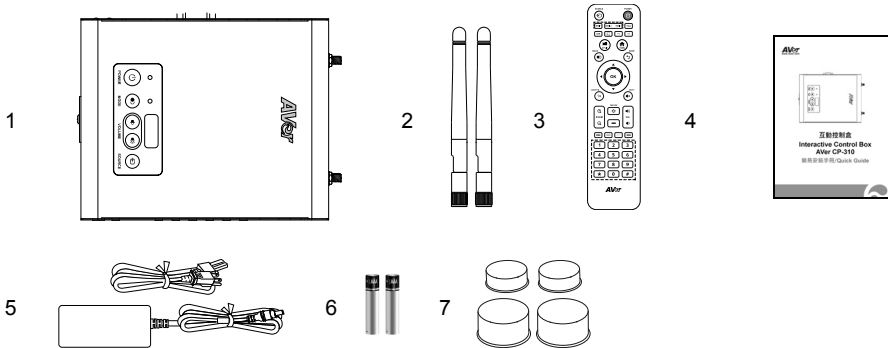
Local: 1(408)263-3828

Support.usa@aver.com

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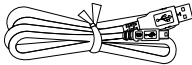
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Package Contents



1. CB-310 Interactive Control Box
2. Antenna x 2
3. Remote controller
4. Quick Guide
5. Power adapter and power cord
6. AAA Batteries(for remote controller)
7. Foot rubber x4
(Stick to the four corners at bottom of CP-310)

Optional Accessories

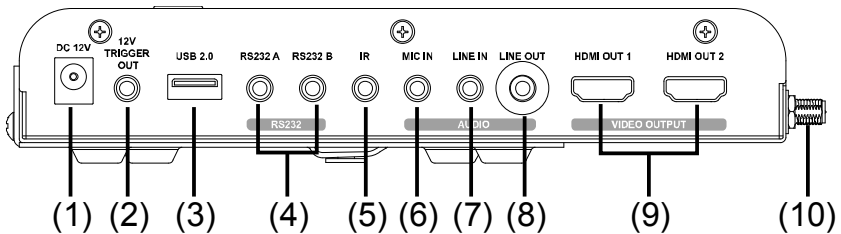


USB cable



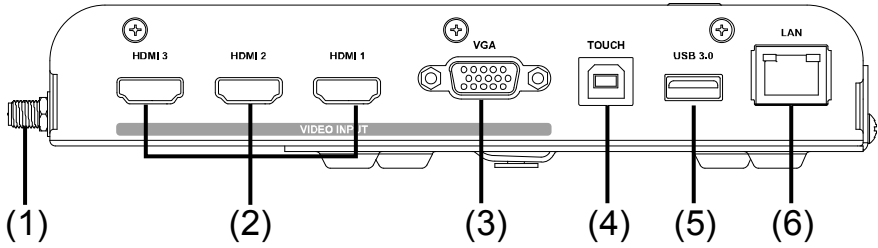
HDMI cable

I/O Ports



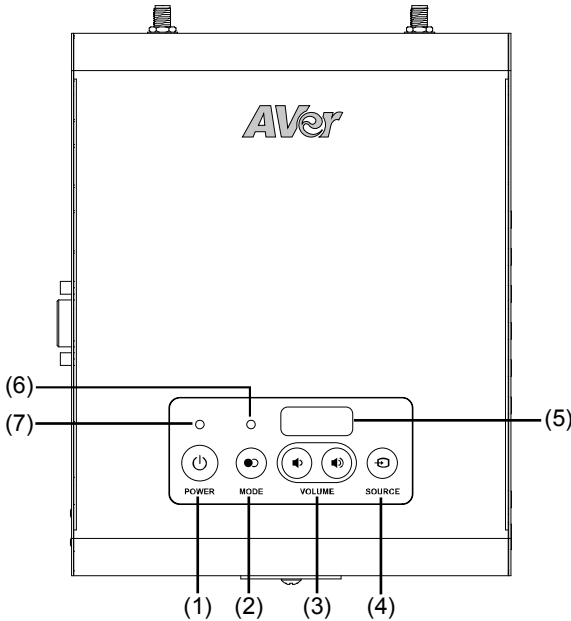
#	Description	#	Description
1	DC power jack	6	MIC input port
2	12V trigger out port	7	Line in port
3	USB 2.0 port	8	Line out port
4	RS232A & RS232B port	9	HDMI 1& HDM2 output port
5	IR extender port	10	Antenna port

I/O Ports (Continued)



#	Description
1	Antenna port
2	HDMI 1, HDMI2, HDMI3 input port
3	VGA input port
4	Touch-USB port
5	USB 3.0 port
6	Ethernet port (1Gbps)

Control Panel

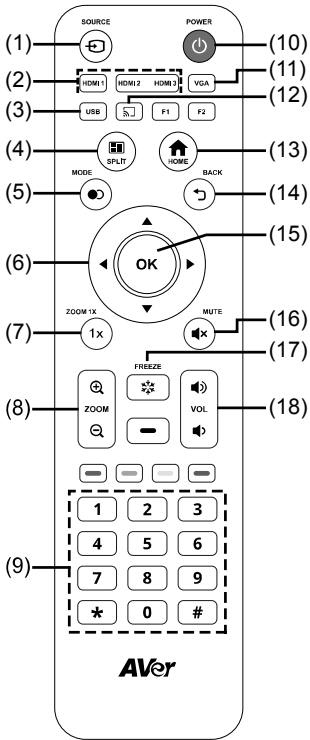


#	Description
1	Power button
2	Mode button
3	Volume +/- button
4	Source button
5	IR receive area
6	LED of mode button
7	LED of power button

LED	Description
Power	- Power on: Green
	- Standby: Red
	- Power off: Off
	- Upgrading: Flash Red
	- Backlight off: Green
Mode	- Entry mode: On
	- Advanced mode: Off

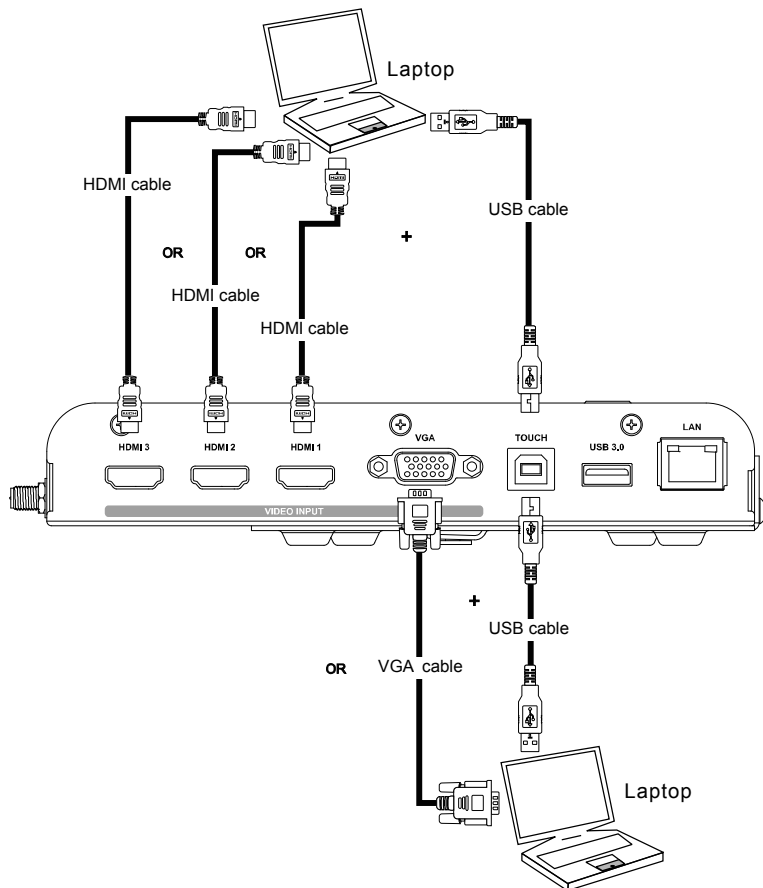
Remote Controller

Make sure install the batteries (AAA battery) before using the remote controller.

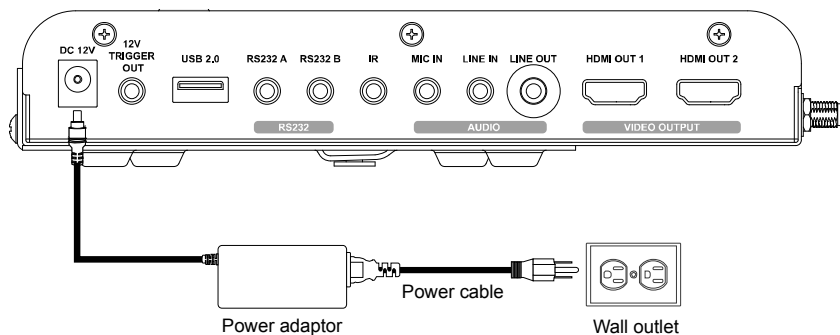


Name	Function
(1)	Call out the input source selection.
(2)	Switch to HDMI 1, HDMI2, or HDMI3 input source screen.
(3)	Switch to USB input source screen.
(4)	Call out split screen setup screen.
(5)	Switch between entry and advanced mode.
(6)	Direction buttons. Use to move between selection while setup.
(7)	Reset zoom level to 100%
(8)	Increase/decrease the screen image magnification.
(9) 0~9 buttons	Numbers pad.
(10)	Call out power off menu. Use and to select "SCREEN LOCK", "RESTART" or "POWER DOWN". Press button to confirm the selection.
(11)	Switch to VGA input source screen.
(12)	Call out the Screen Share app.
(13)	Back to the main screen.
(14)	Back to previous page or selection.
(15)	Confirm the selection.
(16)	Switch to mute mode.
(17)	Freeze the screen. Press button again to un-freeze.
(18) Volume +/-	Adjust the system volume.

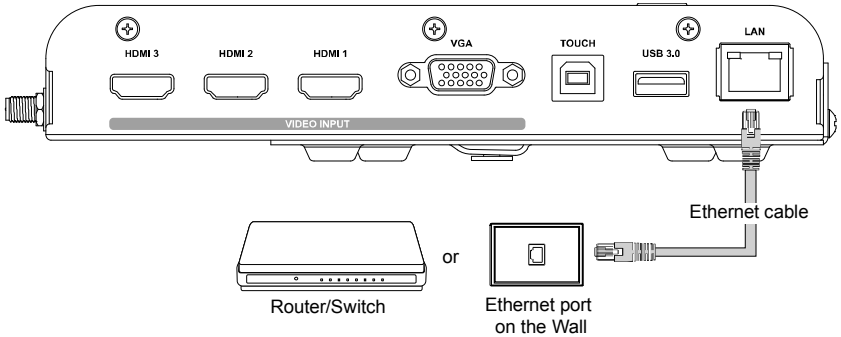
Connect to Laptop/PC



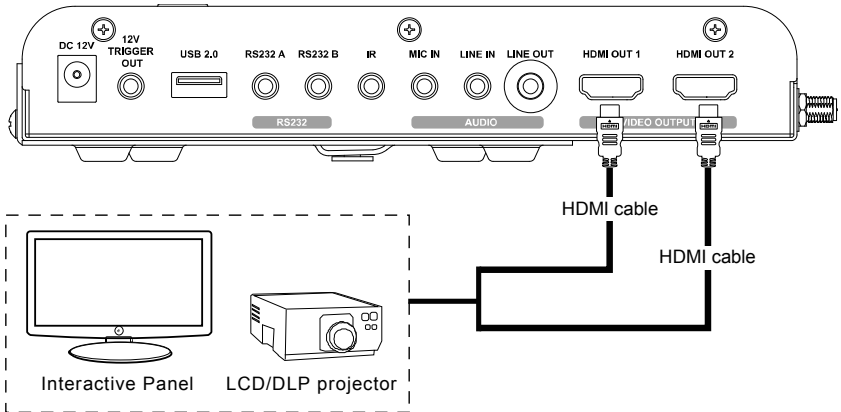
Power Connection



Ethernet Connection



HDMI Output Connection



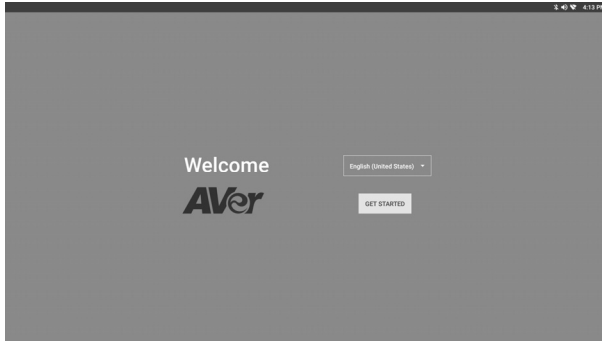
Wall Mount Installation

For the wall mount installation, please refer to the user manual of the AVer CB-310.

URL: <http://presentation.aver.com/download-center/07/-1/2270/178>

First Time Start-up

Connect the power of AVer CB-310 to wall outlet and press power button of the CB-310. For the first time start-up, a setup wizard will guide you to setup the AVer CB-310. Please follow the on-screen instruction to complete the wizard setup.





- **Language:** Select the language. Select the ▼ to select the language.
- **WiFi setup:** Turn on and connect to the WiFi AP. Select to turn on the WiFi and select the available WiFi AP to connect. If the WiFi doesn't enable, please remember to connect a Ethernet cable for internet accessing.
- **Setup Date and Time:** Set the current date and time. **Automatically date and time** is enabled in default; but user still can adjust the **time zone** if needed.
- **Create Alias for the board:** This name will be used as a Screen Share connection identity. The 20 characters are limited. A default name will be provided by the system.
- **Update FW:** IFP system will check if there is a new version FW for updating. If there is a new version FW, the update will be performed. No update, the message will show on the screen.
- **Install Gogole Apps:** Tap "INSTALL" to install apps.
- **Boot source setup:** Select the input source to display on screen after boot-up (HDMI 1/2/3, VGA, USB cam, Screen share, Last input source).
- **Login:** After restarting, login within your google account. And, the CB-310 system is ready for using.

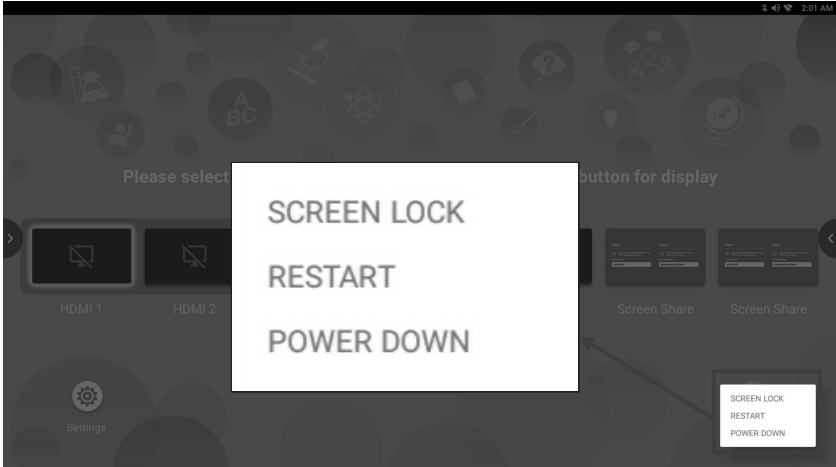
After completing the wizard setup, the main screen is displayed (The figure is selected "Home screen" as boot-up screen).



Power Off

While in power on status, press  >  button on the remote controller to turn off the CB-310.

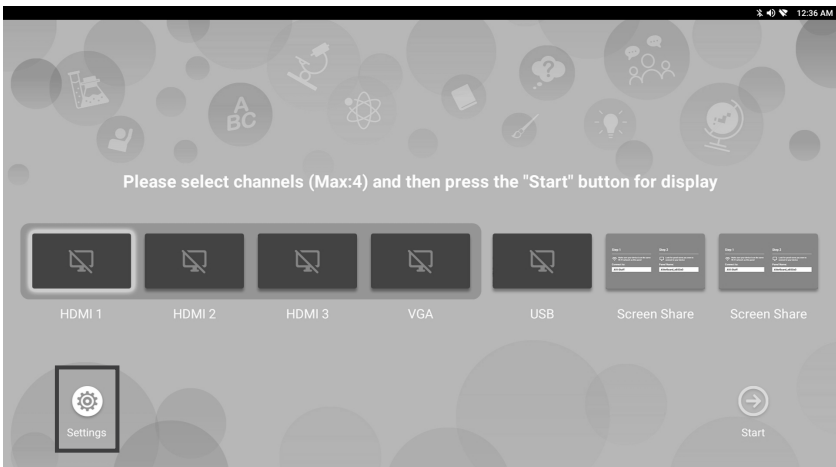
Also, press power button () on the AVer CB-310 unit, then, the power menu is displayed on screen and select **"Power Down"** to turn off the AVer CB-310 system. Also, user can long press power button () to turn off the AVer CB-310.



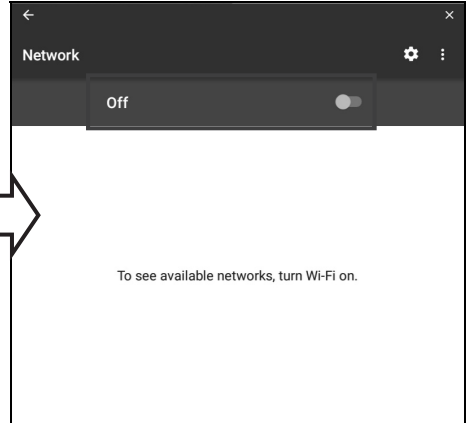
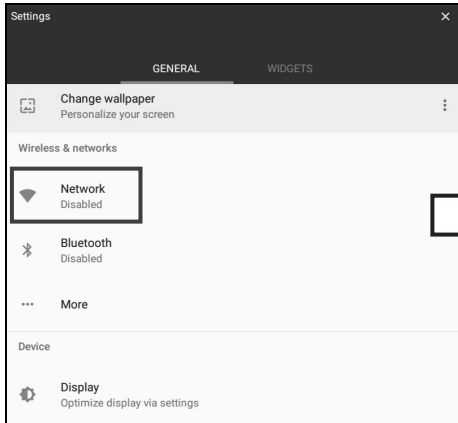
WiFi Connection

Connect AVer CB-310 to internet through the WiFi AP.

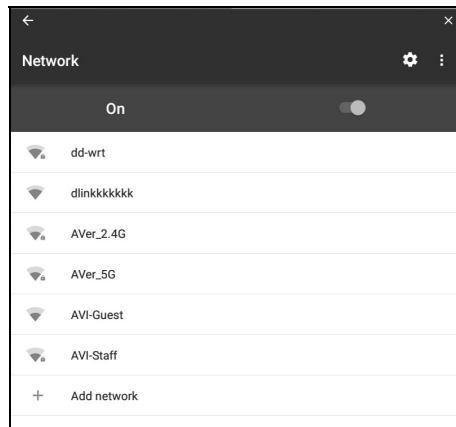
1. Select the **"Settings"** icon to bring out the Settings page.



2. In Settings page, select “**Network**”.
3. Set WiFi to “**On**”.



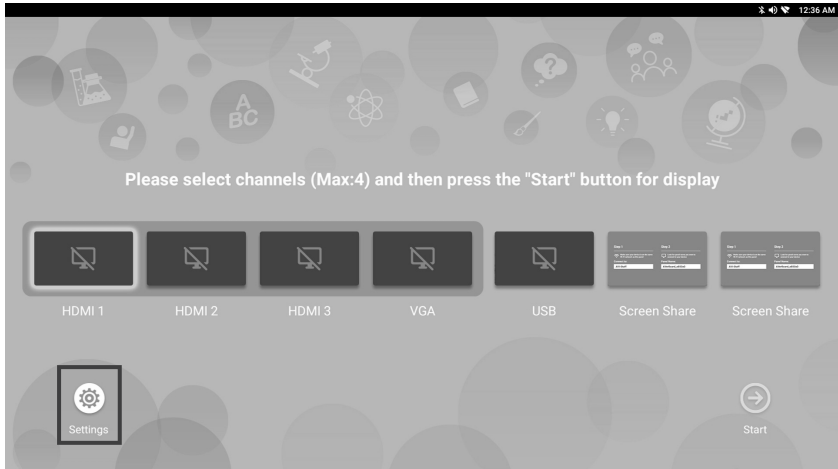
4. Select available Wi-Fi networks to connect to.



Adjust Date and Time

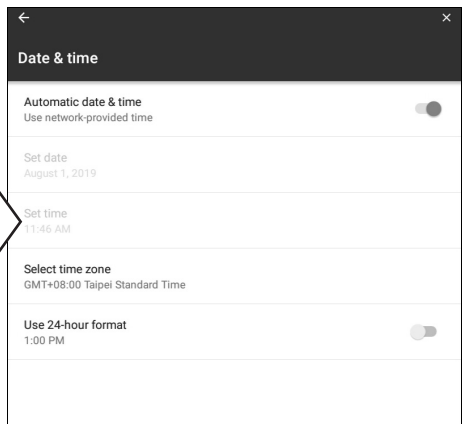
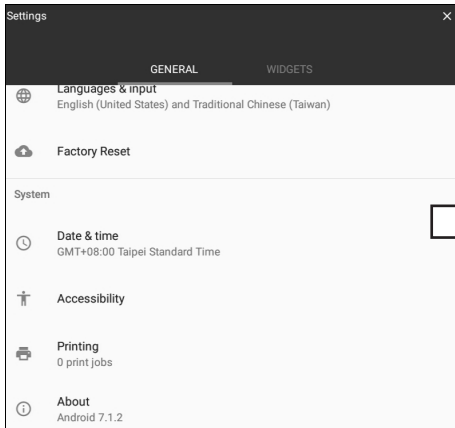
1. Tab the **"Settings"** icon to bring out the Settings page.

[Note] The internet connection is required for auto date and time adjustment.



2. In Settings page, tab **"Date & Time"**.

3. You can select "date", "Time", "time zone" and "time format" to setup.



Specification

Android Version	Android 7.1
RAM/ROM	4GB DDR3/ 8GB
CPU	Dual-core ARM Cortex-A72 1.8Ghz processor and Quad-core ARM Cortex-A53 1.4Ghz processor
GPU	ARM Mali-T860MP4
Interface Input / Output Ports (Resolution supported)	HDMI input x3 (Up to 1920x1080)
	VGA input x1 (Up to 1920x1080)
	USB-type A x2
	HDMI output x2 (Up to 4K, android only)
Communication Interface	USB-type B
Lan	Gigabit-Ethernet
Power	12V/4A; max. 500mA
Wall Mount	Yes
Warranty	3 years
Operation Environment	Relative Humidity : ≤80 %
	Operation Temperature : 0 ~ +40°C以上
	Storage Temperature : -10 ~ +60°C
Product Dimension (without wall mount bracket thickness)	190mm(L) x 154mm(W) x 33mm(H)
Packing Dimension	305mm(W) x 255mm(D) x 231mm(H)
Net Weight	2.7±0.1 kg

