Hall Technologies • 1234 Lakeshore Dr Suite #150 Coppell, TX 75019 • halltechav.com

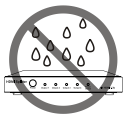
HT-ODYSSEY

BYOD Conference Speakerphone with Presentation Switch and Wireless Casting

USER MANUAL

January 9, 2023

Important Safety Instructions



1. Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

2. Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.

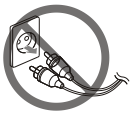
3. To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.

4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

5. Do not place sources of open flames, such as lighted candles, on the unit.

6. Clean this apparatus only with dry cloth.

7. Unplug this apparatus during lightning storms or when unused for long periods of time.



8. Protect the power cord from being walked on or pinched particularly at plugs.

9. Only use attachments / accessories specified by the manufacturer.

10. Refer all servicing to qualified service personnel.

Table of Contents

Introduction

OVERVIEW

This product is an all-in-one BYOD Speakerphone with a presentation switch, wireless casting and an HDBT out port. It allows everyone to hear the sound in the meeting room during conference calls and to show a presentation from a laptop, smartphone, or tablet with USB Type-C port or HDMI in. The USB-C port also provides 60W of charging power. When connected through the Type-C port/HDMI In port, HDMI out/ HDBT out can support resolutions up to 4K@30Hz, while through USB 3.0 Display-Link technology, it can support resolutions up to 1080P@60Hz.

With a 360-degree 4x Mic array that picks up sound from any angle, including echo cancellation, active background noise reduction and speech enhancement, HT-ODYSSEY offers excellent meeting performance.

FEATURES

- All-in-one meeting collaboration with mic, speaker, and built-in presentation switch.
- Powerful and stable BYOD feature for sharing content via Miracast, AirPlay and HT-Voyager.
- Built-in HDBT module allows for 4K video signal extension up to 40m.
- 10W enhanced speaker with crystal sound can be heard anywhere clearly in the meeting room.
- Powerful Mic array with omni-directional pickup, unique automatic echo cancellation and noise reduction.
- Compatible with old and new laptops with multi-connector cable (USB Type-C and USB 3.0 Type-A Adapter) provided.
- Touch buttons, smart LED indicator for showing dynamic talking direction.
- Auto detects source status to send power on/off command to sync display.
- Plug and Play compatibility for Window, Mac OS, and Android, also UC platforms like Zoom, WebEx, Teams, etc.

Package Contents

- 1 x Speakerphone
- 1 x DC 24V Power Adapter
- 1 x AC Power Cord with US Pins
- 1 x AC Power Cord with UK Pins
- 1 x AC Power Cord with EU Pins
- 1 x AC Power Cord with AU Pins
- 1 x USB Type-C to Type-C Cable with Type-C to USB 3.0 Type-A Adapter
- 1 x Cable Fixing Bar (with Screws)

Panel Description

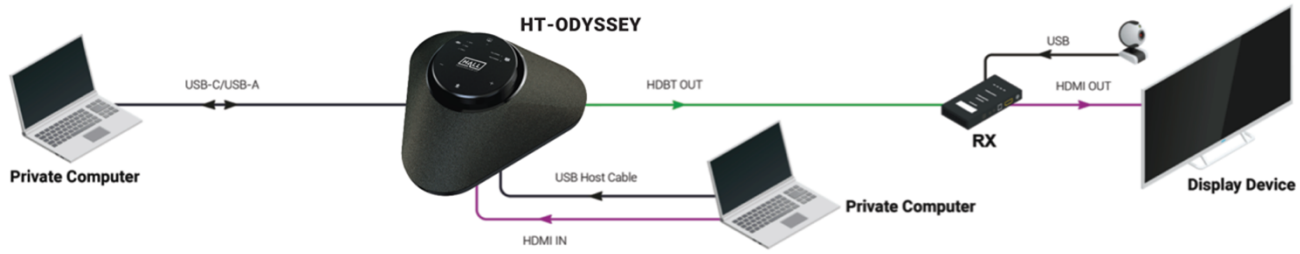
ID	Name	Description
1	Speaker	Outputs audio of input source.
2	Source Switch Button	Press to select the source: • AUTO: When there is no wire source or only showing Wireless source (default). • HDMI: Select HDMI source with USB host • TYPE-C: Select Type-C source with USB host
3	LED	• AUTO LED lighting is blue: When there is no wired source or only showing wireless source • HDMI LED lighting is blue: HDMI source is selected • TYPE-C LED lighting blue: Type-C source is selected
4	Power Button (Video Mute)	Press Power button to mute/unmute video. Note: • Video mute is working whether the source is active or inactive; • After pressing the power button again, video returns to the default status (unmute).
5	Status LED	• LED Lighting is blue: Video input signal is detected. • LED Lighting is white: No video input signal is detected. • LED Lighting is red: Video is muted. • LED Lighting is “Breathing” and is white: Standby status. (Standby occurs when no source is connected and wireless times out)
6 & 7	BYOD ON/OFF Button & LEDs	Press to set BYOD (AirPlay and Miracast) function to On/Off. On/Off LED will light blue depending on selection.
8	Volume Up Button	Press to increase volume.
9	Mute Mic Button	Press to mute/unmute the mics.
10	Volume Down Button	Press to decrease volume.
11	Mic	4 x Omnidirectional mics array for picking up sound.
12	Pairing	Connect to HT-Voyager for pairing. (Plug in HT-Voyager and leave in until HT-Voyager’s LED becomes solid white – after about 20 seconds)
13	DC 24V	Connect to the power adapter provided.
14	LAN	Connect to a network device (e.g. network switch, router, computer, etc.) for AirPlay Mirroring signal input and LAN control (Web GUI & Telnet API).
15	HDBT Out	Connect to an HDBT receiver.
16	HDMI Out	Connect to an HDMI display.
17 & 18	HDMI IN &USB-B	• HDMI IN: Connect to an HDMI source. • USB-B: Connect to the USB host device using a mini USB to USB Type A cable. Note: USB-B is bound with HDMI IN.
19	USB 3.0	Connect to a USB Device.
20	USB-C	USB 3.1 Gen1: 5Gbps USB PD: 60W Max Connect to a USB-C video source (e.g. laptop) for video input using the USB Type-C cable provided.

ID	Name	Description
		You can also use either of the following suggested cables: • USB Type-C to USB 3.0 Type-A cable; • USB Type-C to Type-C cable (USB 3.1 Gen 1 or above).

Applications

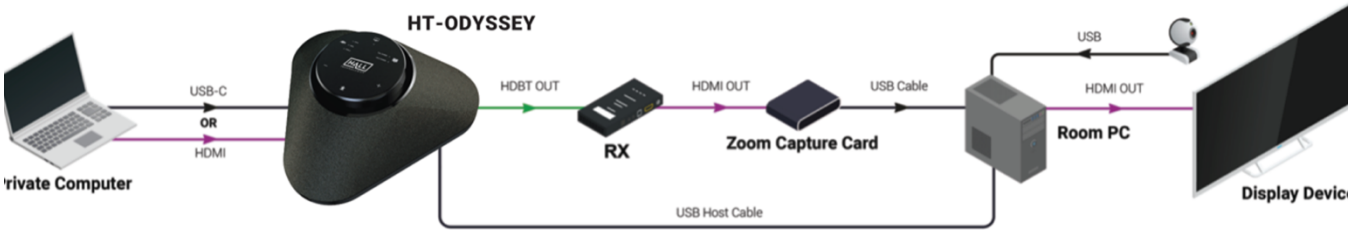
APPLICATION 1:

BYOD or ZOOM ROOM



APPLICATION 2:

ZOOM ROOM ONLY WITH BYOD CONTENT SHARING



1. In the “Zoom Room Only” Application the Zoom Room PC gets the HT-ODYSSEY mics through the USB Micro to USB-A connection
2. In the “Zoom Room Only” Application the USB-C or HDMI inputs will only route video and audio out to the Zoom capture card for content sharing. The USB-C will get the HT-ODYSSEY mics or camera. Switching to HDMI will not switch the USB from the Zoom PC.
3. When switching the scenario, a device reboot is needed to apply the settings. (Using Web UI or API commands to switch the scenario, refer to “Web UI” section or the separate document “API Command Set HT-ODYSSEY”.)

Note: After the speakerphone is connected to a laptop using the included USB-A to USB-B Mini cable, the speakerphone can be detected by the system.

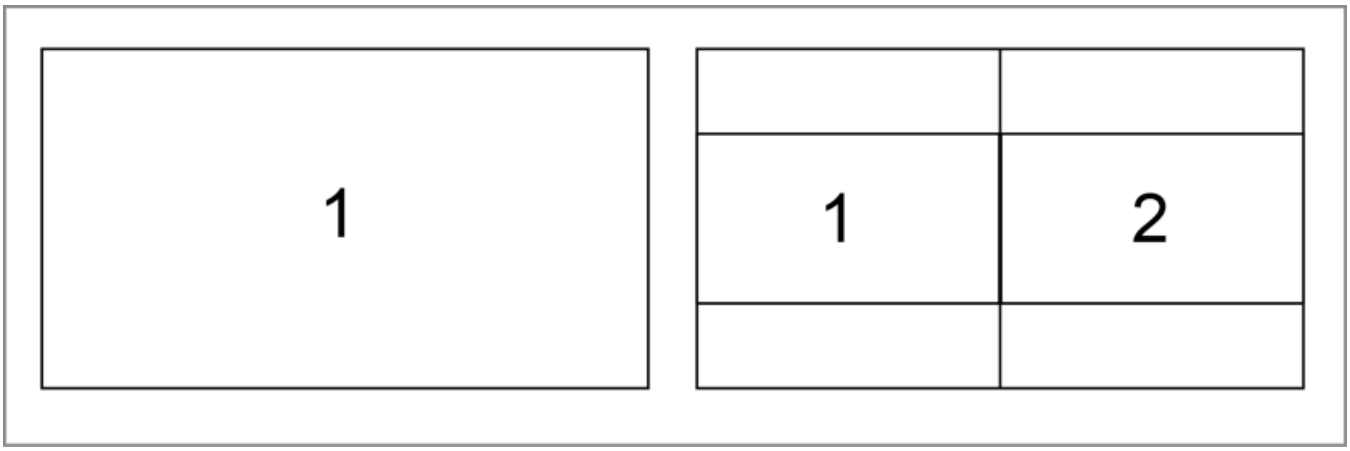
- Speaker: **HT-ODYSSEY**
- Mic: **HT-ODYSSEY**
- Wi-Fi: **HT-ODYSSEY**

Key Functions

The device offers multiple functions such as video switching, automatic signal switching, Guide Screen and OSD, allowing for easy system use.

VIDEO SWITCHING

The device supports full screen and split screen, as shown in the following figure.



1. When BYOD is set to OFF, the HT-ODYSSEY only works as full screen, and can switch sources between HDMI IN /USB Type-B / USB Type-C and HT-Voyager and will follow the rule: “Last-in-first-out”:
   - When a video source is connected, the device automatically switches to this source and outputs it.
   - When the current video source is disconnected, the device switches to the active video source most recently connected or selected. If there’s no active source connected, the device outputs the Guide Screen picture.

   Note:
   - You can switch HDMI IN/Type-C source by plugging or unplugging the cable, or by pressing the Source Switch button on the top panel.
   - When switching sources, the USB device is always bound with the selected source.

2. When BYOD is set to ON, the device supports switching among all sources.
   - When one source is connected to the device, the device is in full screen mode.
   - When two or more sources are connected to the device, the device is in split screen and the latest inserted source will replace the earliest connected source to display in the corresponding split screen.
   - When the currently selected video source is disconnected:
     - First, the device checks the last selected wired source. If the source is active, the device

will switch to the source and display it on the screen.

- If the last selected wired source is not active, the device will check the other wired source. If that source is active, the device will switch to the source and display it on the screen.
- If there's no active source, the device will display the Guide Screen on the display, and after 1 minute, the device will send the CEC power off command to turn off the sync display.

Note: If a new source replaces the current wireless source (HT-Voyager / AirPlay / Miracast, Smart View), the current wireless source is disconnected from the device and the new source is displayed.

SCREEN MIRRORING

With screen mirroring support, the device allows users to wirelessly share multimedia from their devices on any HDMI displays. Screen mirroring can be performed over AirPlay, Miracast, Smart View and HT-Voyager.

1. Screen mirroring over AirPlay

Using an iPhone 8 (iOS 15.2) for example:

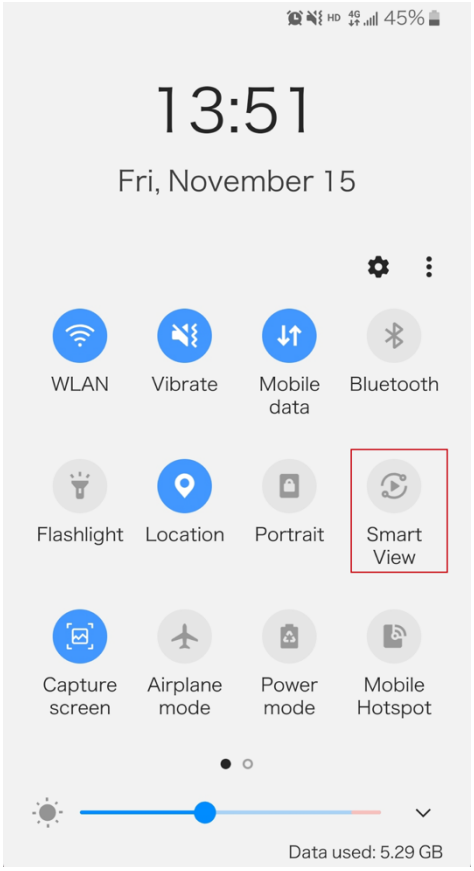
1. Connect your iPhone to the soft AP of the device.
   - ⇨ **Soft AP SSID**: this should be the same as the device name which can be obtained from the OSD at the upper right corner of the display screen. By default, it is set as **HT-ODYSSEY**.
   - ⇨ **Password**: this password can be set through Web UI or Telnet API and can be obtained from the OSD at the bottom right corner of the display screen. By default, it is set as **12345678**.
2. Slide up from the bottom of the iPhone's screen to show the control center. Click **Screen Mirroring** and choose the device name in the pop-up list.

3. HT-ODYSSEY now displays your iPhone's screen.
4. To disconnect iPhone from the device: click Stop Mirroring, the display stops displaying your iPhone's screen.

2. Screen mirroring Smart View

For Android mobile (take Samsung Galaxy S9 for example):

1. Enable the Wi-Fi or WLAN feature of the mobile device.
2. Slide down from the top of the screen and click the **Smart View** icon in the pop-up interface.

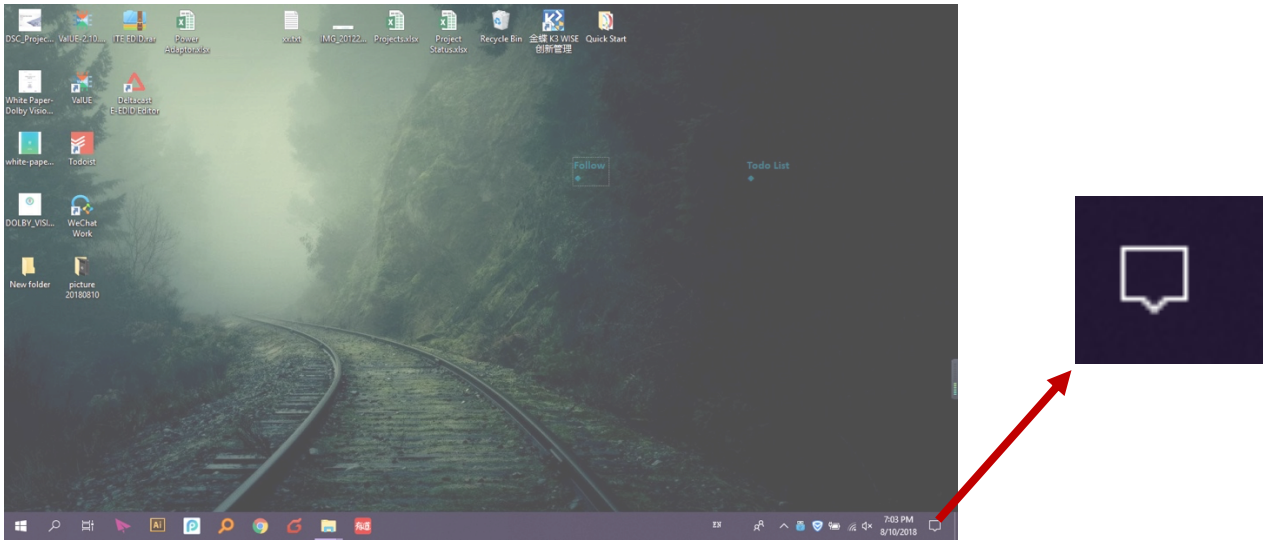


3. The Smart View window appears and starts to search for Miracast receiver. Click the HT-ODYSSEY device name in the search result and the device will output the mobile screen.

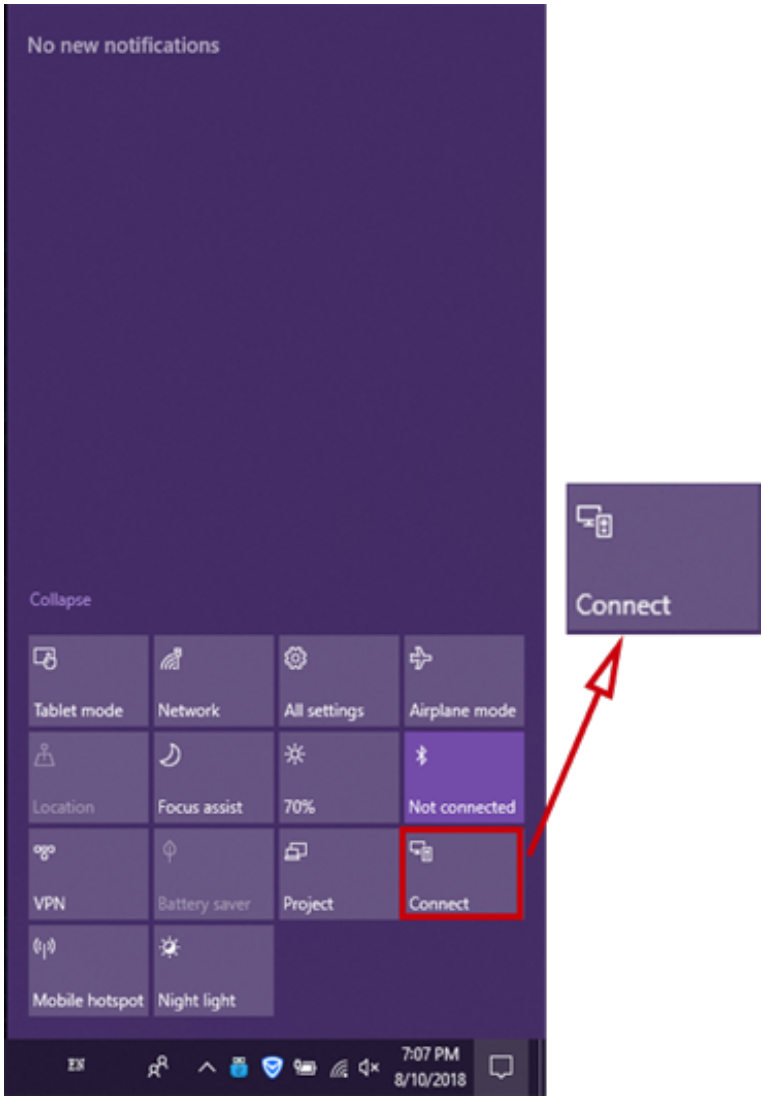
3. Screen mirroring Miracast

For Windows 10 PC:

1. Enable the WLAN feature of your PC.
2. Click the icon on bottom right of the screen to open **Action Center**.



3. Click **Connect**.



4. Click the HT-ODYSSEY device name in the search results.
5. The HT-ODYSSEY device displays the PC's content once your PC is connected to the device successfully.
6. To disconnect the PC from the device, click **Disconnect**.

Note:

- The icon and interface of the Miracast function may vary on different computers.
- Some Windows 10 computers may fail to perform screen mirroring with Miracast due to compatibility issues.
- A shortcut for displaying from a Windows computer can be found by pressing Windows + K.

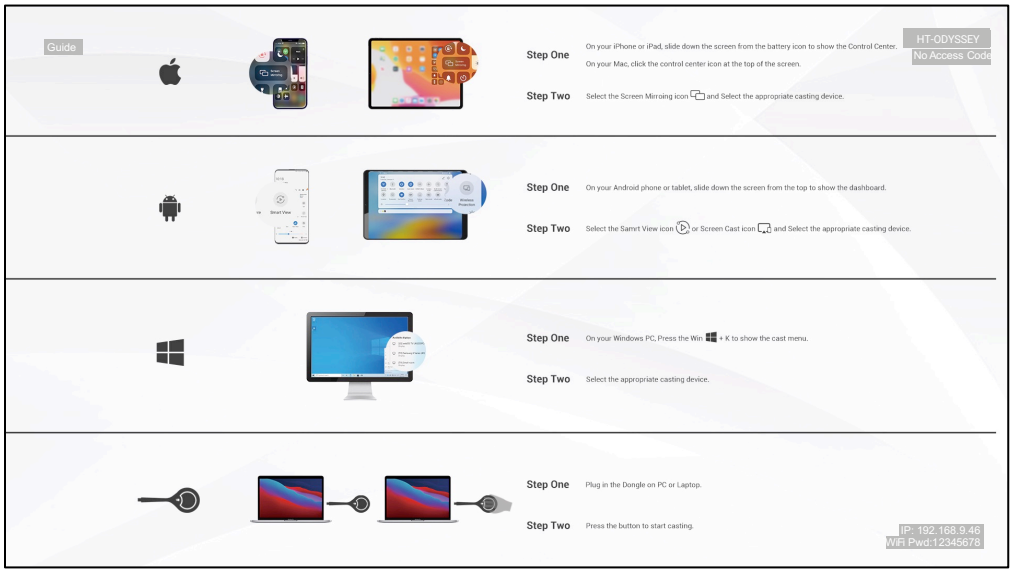
Tip: Both the AirPlay mirroring and Miracast support access code. If you see the PIN entry window appears on your devices, input the access code which can be obtained through OSD. (See "OSD" section for more information.)

4. Screen mirroring over HT-VOYAGER

HT-Voyager allows you to share your laptop's content on the display screen without installing any additional software. Simply plug in the HT-VOYAGER into USB-C and click the button. For more information, see the user guide of HT-VOYAGER. (Note: HT-VOYAGER is sold separately.)

GUIDE SCREEN

The device uses a Guide Screen to convey the basic connection instructions for user access. The Guide Screen can be personalized to allow custom connection instructions on the device's Web UI page. When all video sources are disconnected from the device, the following default Guide Screen is displayed on the screen automatically:



Note:

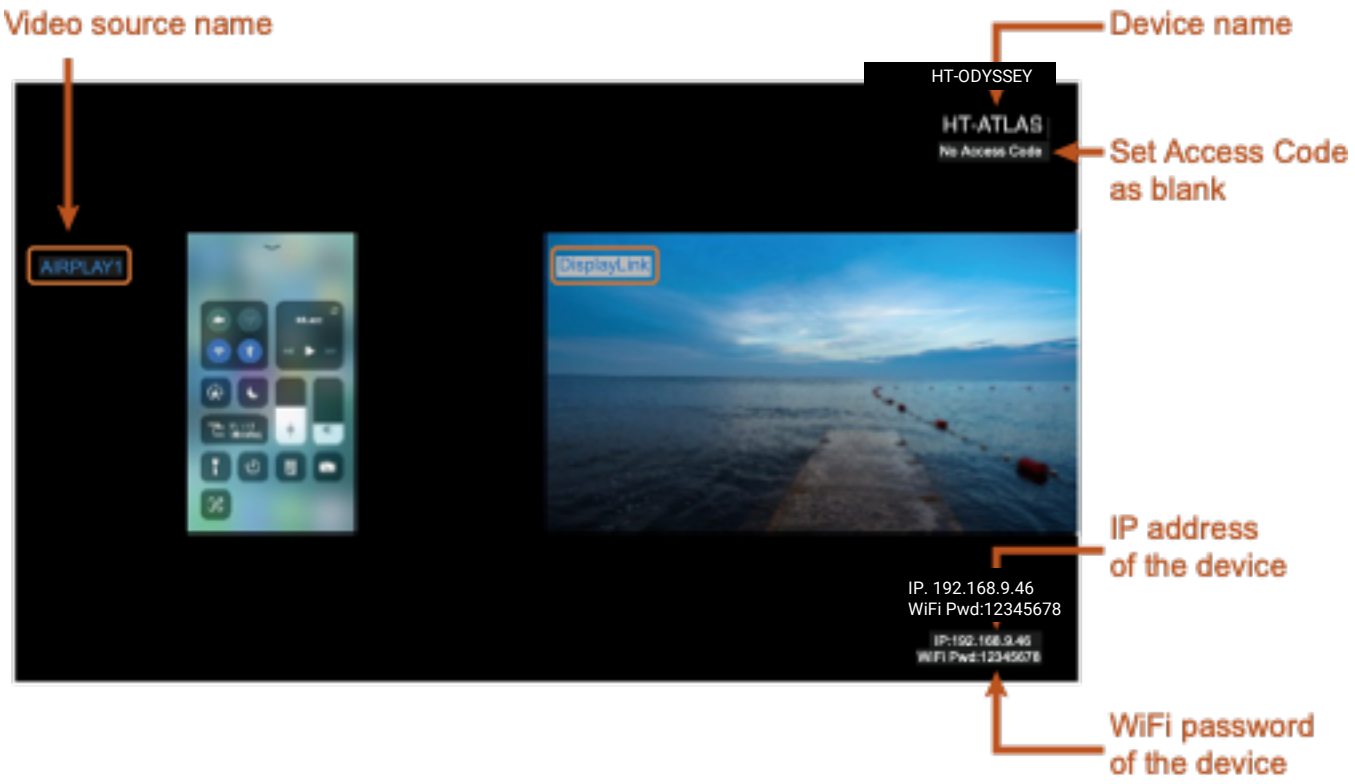
- This Guide Screen picture can be changed through the Web UI setting. Please refer to Guide Screen section for more information.
- By default, if the Guide Screen is being displayed for 60 seconds with no wireless casting connectivity, a countdown timer with the time period of 60 seconds will appear. When the timer ticks to zero, if the connected display is CEC-supported, the display will enter standby mode.

OSD

The device supports OSD (On Screen Display) to convey basic information, including the video source's information, access code, device name, IP address, and Wi-Fi password. The following are two different OSD examples.

Example 1: Full Screen Mode:

Example 2: Split Screen Mode:



Note:

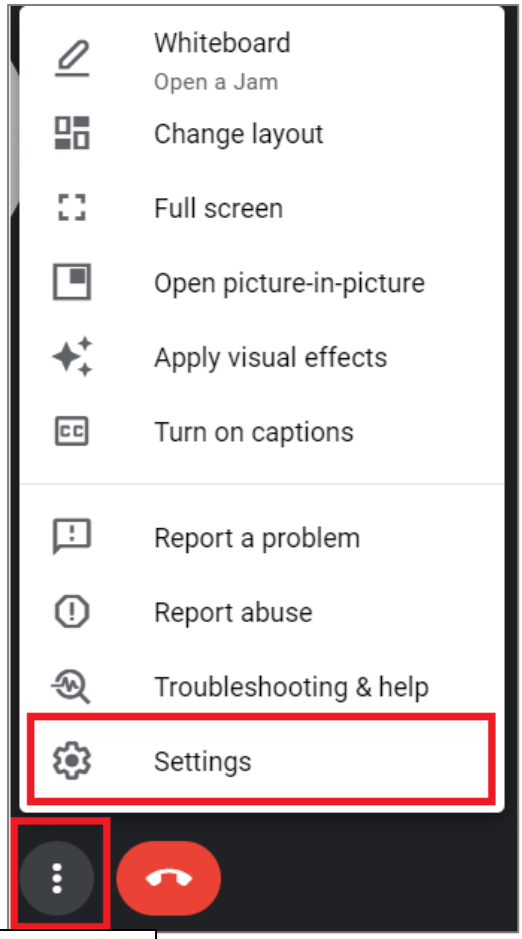
- When the device outputs the Guide Screen, the OSD will be displayed continuously until the countdown timer reaches zero.
- When the device outputs video input sources, the OSD will be displayed for 10 seconds and then will disappear.
- By default the access code is set as blank, and therefore the OSD doesn't display the access code. If you want to set an access code, see BYOD section for more information.

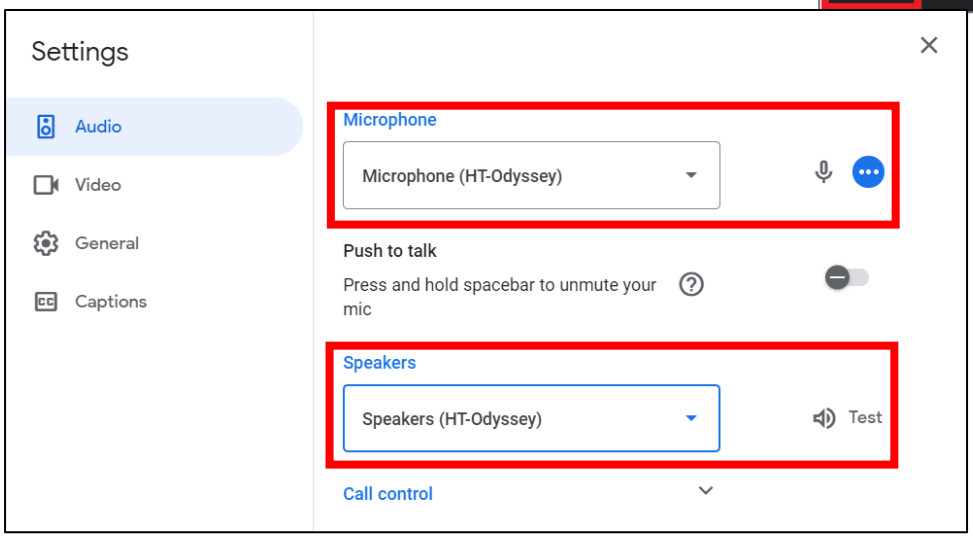
Soft Codec Support

The following are instructions to utilizing the HT-ODYSSEY camera and microphones in the Google Meet, Microsoft Teams, and Zoom soft codec applications. The HT-ODYSSEY is not limited to these three. (*For soft codec applications outside of these three please refer to their user manual.)*

GOOGLE MEET

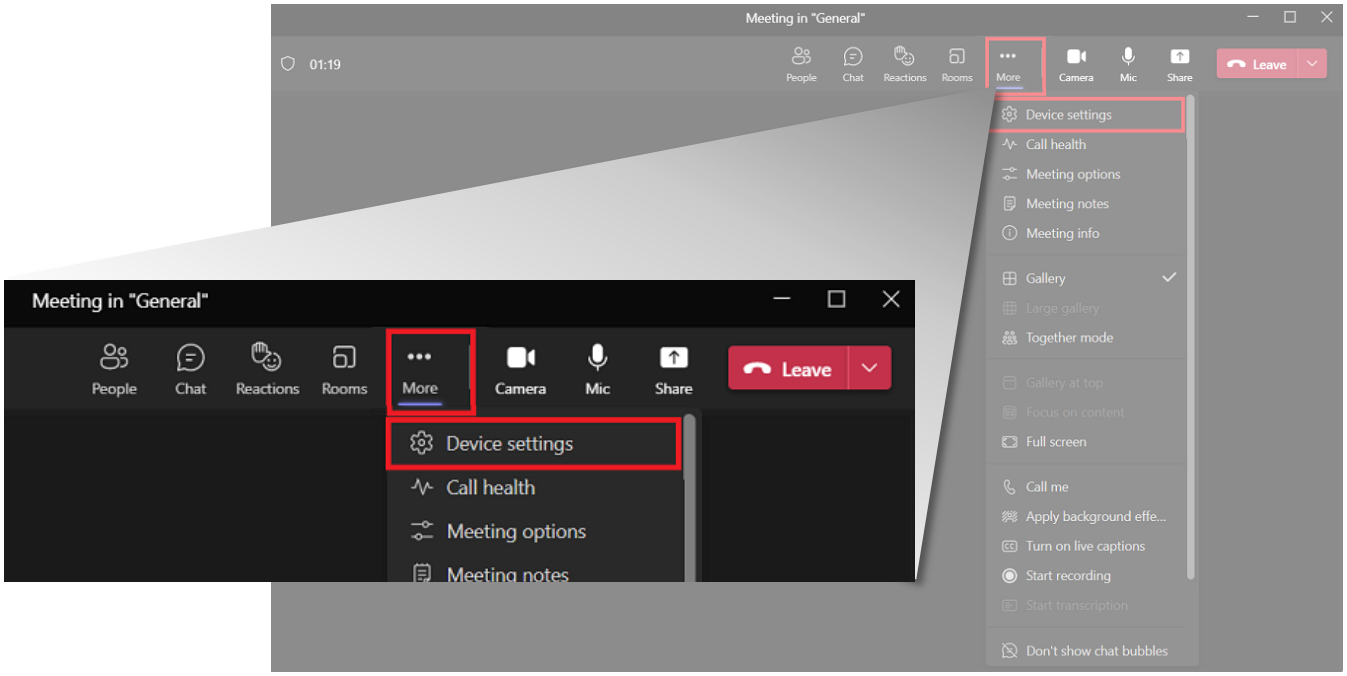
To use the devices in Google Meet, open “More Options” and then click on “Settings.” In the audio settings select “HT-ODYSSEY” for both microphone and speaker.





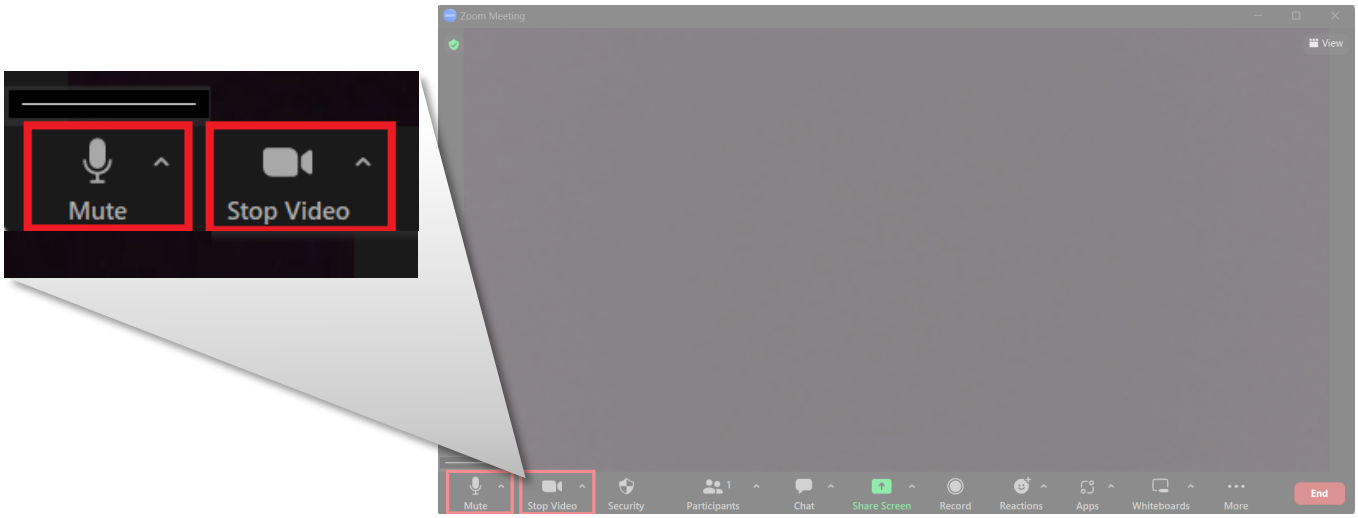
MICROSOFT TEAMS

To use the devices in Microsoft Teams, open Device Settings located in the “More” menu. In the audio settings select “HT-ODYSSEY” for both microphone and speaker.

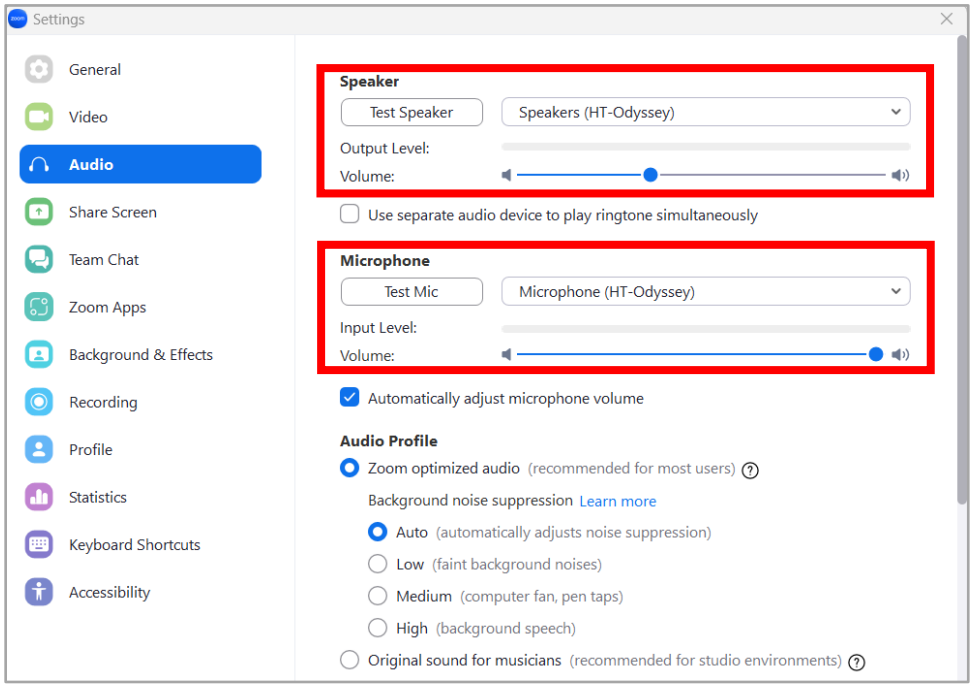


ZOOM

To use the devices in Zoom, click on the “up” arrow on the microphone and camera buttons located on the bottom left part of the Zoom screen. In the video settings, select the “HT-MERCURY-CAM” for the camera and in the audio settings select “HT-MERCURY-SPEAKERPHONE” for both microphone and speaker.



AUDIO



Web UI

The Web UI for this device allows for basic controls and device settings. This Web UI can be accessed through a modern browser, e.g. Chrome, Safari, Firefox, IE10+, etc.

To get access to the Web UI:

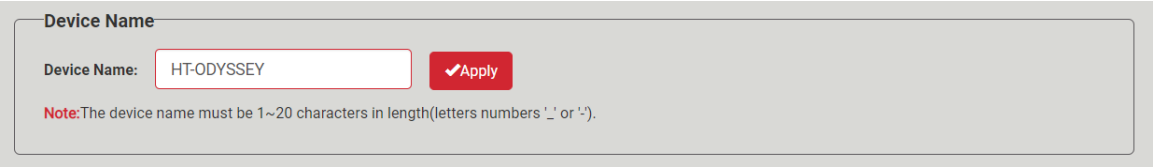
1. Connect the LAN port of the device to a local area network. Ensure there's a DHCP server in the network so that the device can obtain a valid IP address. (If there is no DHCP server the device will revert to a 169.254.x.x address which you can find on the OSD. Use this to change the device IP to a static IP address and set your own.)
2. Connect the PC to the same network as the device.
3. Input the device's IP address in the browser and press Enter, the following window pops up.

4. Input password (default password: admin) and click Login to enter the main page of Web UI.

   The Web UI main page consists of four tabs: **General**, **Video**, **Audio**, and **Advanced Setting**.

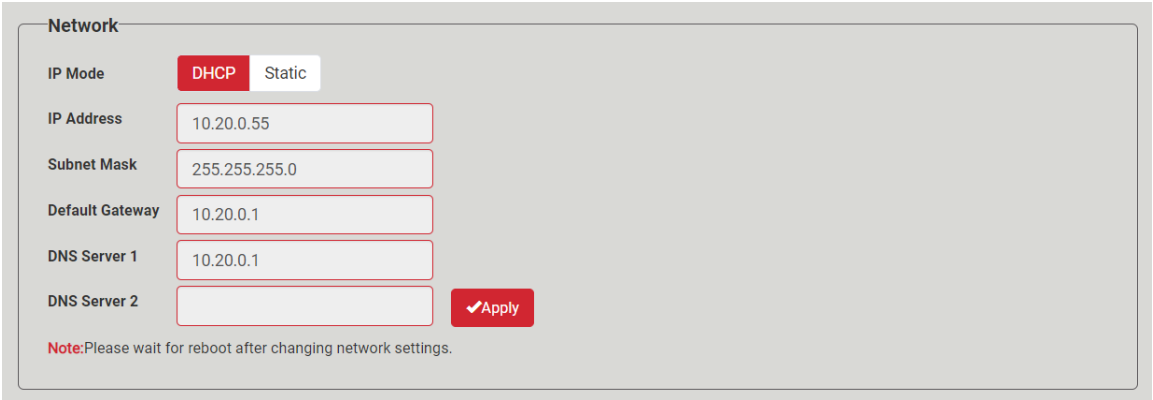
General Page

DEVICE NAME



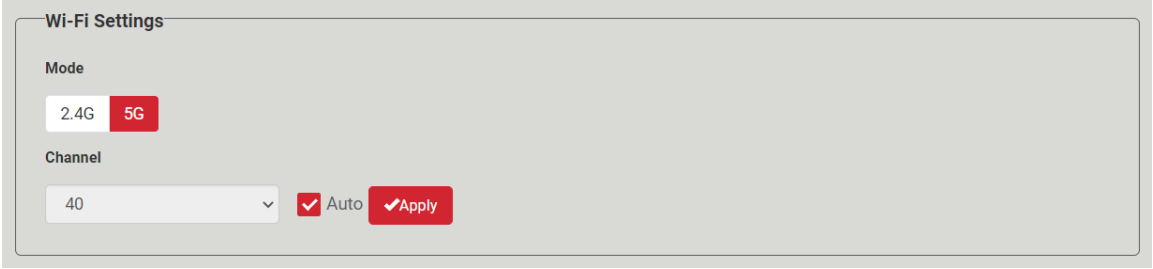
UI Element	Description
Device Name	Change the device name if desired. **Note:** The name must be 1~20 characters in length, including letters, numbers, "_" or "-".
Apply	Click to apply setting changes.

NETWORK



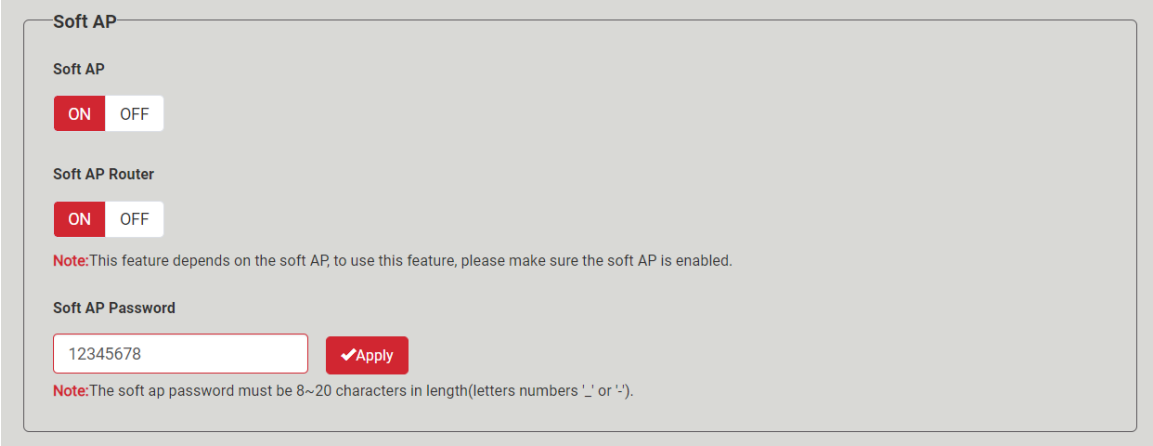
UI Element	Description
Network	Used to modify network settings.
IP Mode	Select the desired IP mode between DHCP and Static. (Default is DHCP)
IP Address	Set the IP address manually if Static mode is selected.
Subnet Mask	Set Subnet Mask manually if Static mode is selected.
Default Gateway	Set the Default Gateway manually if Static mode is selected.
DNS Server 1	Set gateway address manually for the device to communicate with another network that uses different communication protocols when Static mode is selected.
DNS Server 2	Set DNS server manually for the switcher to ensure normal network communication.
Apply	Click to apply setting changes.

WI-FI SETTINGS



UI Element	Description
Mode	• 5G: Configure the device's frequency band as 5GHz. • 2.4G: Configure the device's frequency band as 2.4GHz. By default, the device works at 5GHz. If your wireless devices don't support 5GHz, configures the frequency band as 2.4G before connecting them to the device via Miracast.
Channel	By default the Channel is set to Auto. If a different wireless channel is desired, uncheck Auto and select the desired channel.
Apply	Click to apply setting changes.

SOFT AP

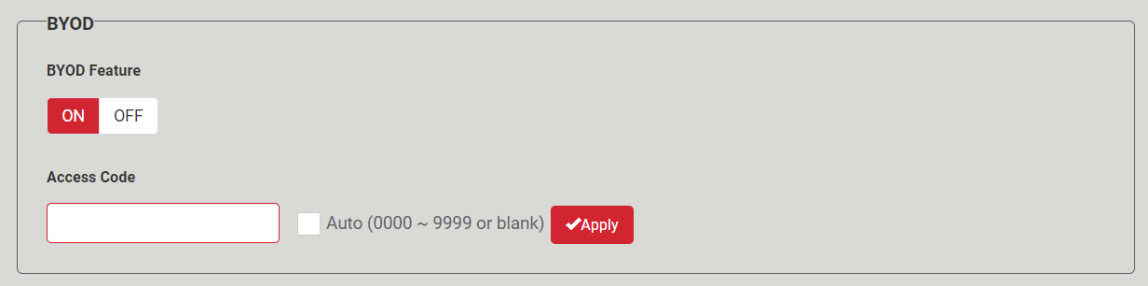


UI Element	Description
Setting	• On: Enable the device's soft AP (Access Point) function. • Off: Disable the device's soft AP function.
Soft AP Router	• On: Enable the device's soft AP router function so that wireless devices connected to soft AP are able to access the internet (in the condition that the LAN port of the device is connected to the internet). • Off: Disable the device's soft AP function to prevent wireless devices connected to soft AP from accessing the internet. **Note:** Before you use this feature, ensure the soft AP function is enabled.
Soft AP Password	Configure soft AP password. Note: The soft AP password must be 8~20 characters in length, including letters, numbers,

UI Element	Description
	"_" or "-".
Apply	Click to apply setting changes.

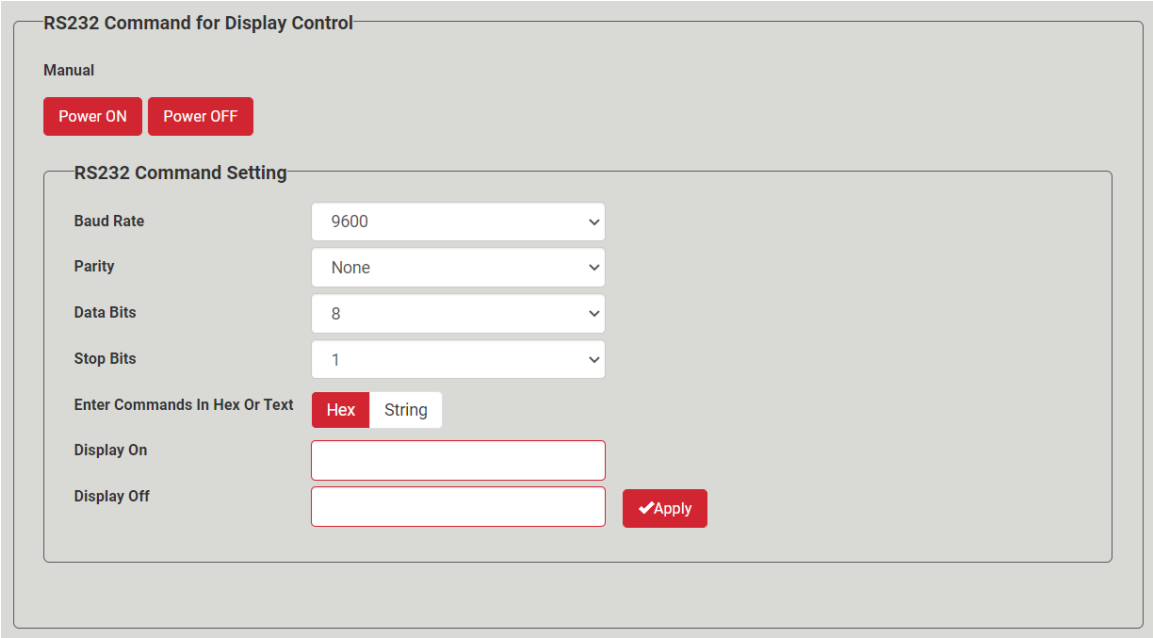
BYOD

Error! Bookmark not defined.



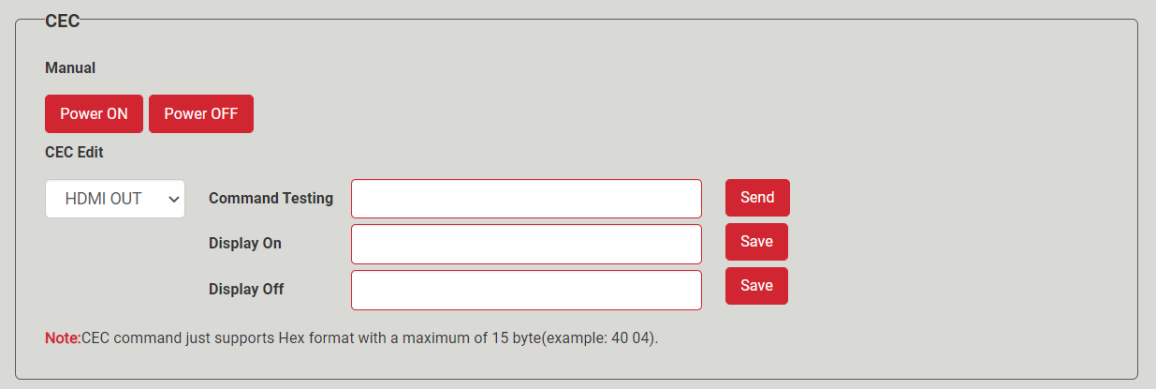
UI Element	Description
BYOD Feature	• On: Enable the device's BYOD feature. • Off: Disable the device's BYOD feature.
Access Code	Enter a four-digit access code to help prevent users from accidentally connecting to an unintended device and protect from unauthorized access. • When an access code is configured, it appears on the upper right corner of the display. • If you don't want to set access code, you can leave this blank. By default, it is set as blank.
Auto	When "Auto" is checked, the device randomly generates a four-digit access code in the following cases: • The device switches to Guide Screen. • The device reboots.
Apply	Click to apply setting changes.

RS232 COMMAND FOR DISPLAY CONTROL



UI Element	Description
Manual	Manually power on or power off the display.
Baud Rate	Sets the appropriate baud rate to communicate with the display. Options are 9600, 19200, 38400, 57600, and 115200.
Parity	Sets the parity to communicate with the display. Options are None, Even, and Odd.
Data Bits	Sets the number of data bits. Options are 5, 6, 7, and 8.
Stop Bits	Sets the number of stop bits. Options are 1 or 2.
Hex or Text	Sets the type of commands, using either hexadecimal or string text.
Display On / Off	Enter the display on and display off commands.
Apply	Click to apply setting changes.

CEC



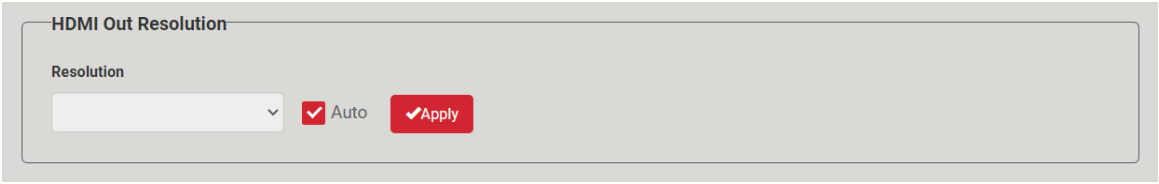
UI Element	Description
CEC	Set display on or off through CEC commands.
Power On	Click to power on the connected display through CEC command.
Power Off	Click to power off the connected display through CEC command.
CEC Edit	Select the desired method for sending CEC commands. Options for sending commands are either HDMI Out or HDBT Out.
Command Testing	To test a command, enter the command string into the Command Testing field and hit “Send”.
Display On	Enter the CEC Display On command string of your display and click “Save”. (For more information about the command, see the user guide of your display.) By default this field is set as blank.
Display Off	Enter the CEC Display Off command string of your display and click “Save”. (For more information about the command, see the user guide of your display devices.) By default this field is set as blank.
Apply	Click to apply setting changes.

STANDBY

UI Element	Description
Standby	Set Standby mode settings.
Manual	• On: Set the device to standby status manually. • Off: Set the device to wake up from standby manually.
Auto	• On: Enable automatic standby function for the device. • Off: Disable automatic standby function for the device.
Delay Time (0~30 min)	Set a period of time that remains before the countdown timer begins for auto standby. • For example, when the current input is Guide Screen, 1 minute means if there's no signal present at the device in 1 minute, the countdown timer for device standby begins; when the timer ticks to zero, the device enters standby mode. **Note:** If the connected display doesn't support CEC or isn't correctly set with RS232 commands, the word "Standby" appears in the middle of the Guide Screen. • If it's set to 0 minute, it means this function is disabled and you cannot set the device to standby mode. By default, auto standby is set as 1 minute.
Apply	Click to apply setting changes.

Video

HDMI OUT RESOLUTION

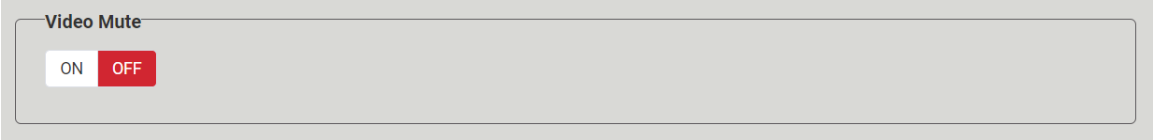


UI Element	Description
Resolution	Set the output resolution for HDMI Out. Two operation methods are offered. • **Auto**: select to output the maximum resolution supported by display based on the display's EDID. E.g. If display supports up to 4K@60Hz, the device outputs 4K@60Hz. • **Resolution range list**: select a desired output resolution from the drop-down menu to output this fixed resolution. By default, it's set as **Auto**.

OUTPUT HDCP

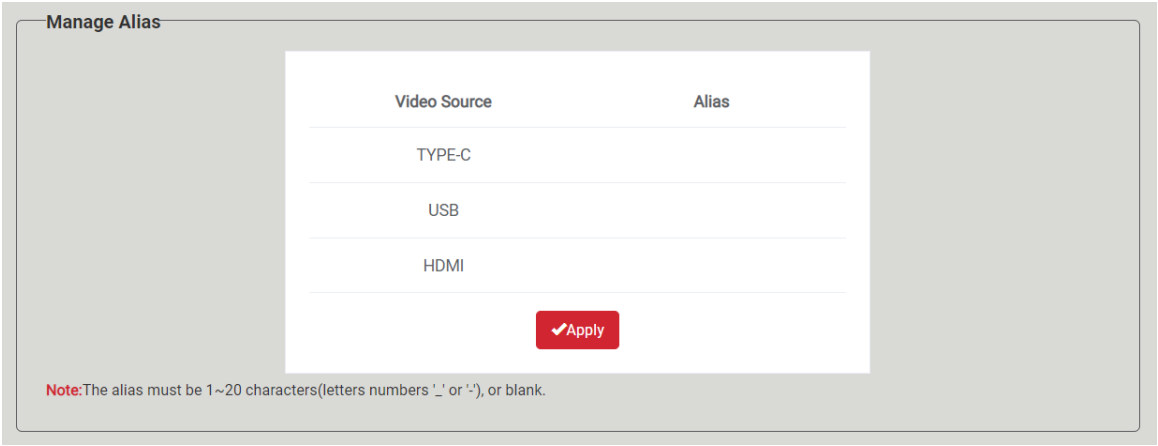
UI Element	Description
Output HDCP	Set the HDCP capability for HDMI Out and HDBT Out. • **Follow:** Set the output HDCP of HDMI Out to follow the HDCP capability of the video input. • **HDCP 1.4:** Set the output HDCP of HDMI Out to HDCP 1.4. By default it is set as Follow.

VIDEO MUTE



UI Element	Description
Video Mute	• **On:** Set video mute on. • **Off:** Set video mute off. By default it is set as Off.

MANAGE ALIAS

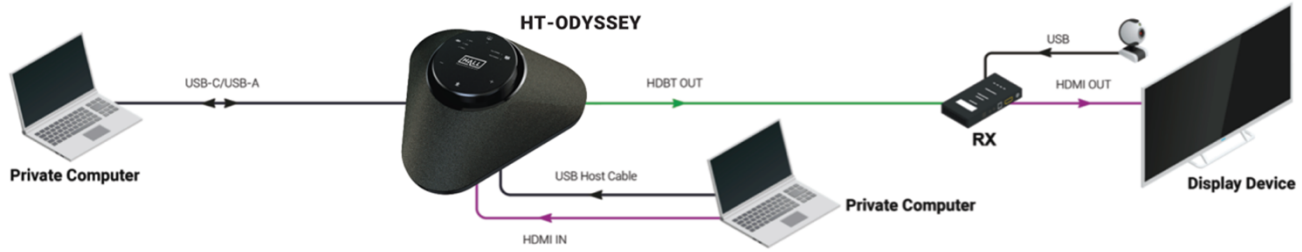


UI Element	Description
Video Source	Displays the video source name.
Alias	Enter a name to change the video source name to a new one.
Apply	Click to apply setting changes.

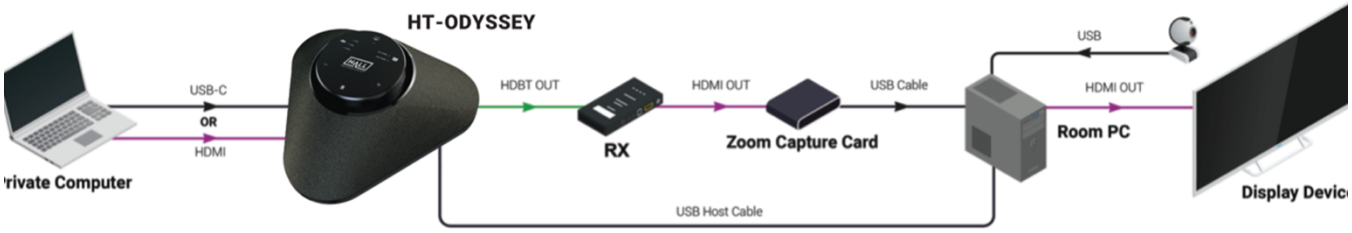
Advanced Settings

APPLICATION MODE

BYOD or ZOOM ROOM



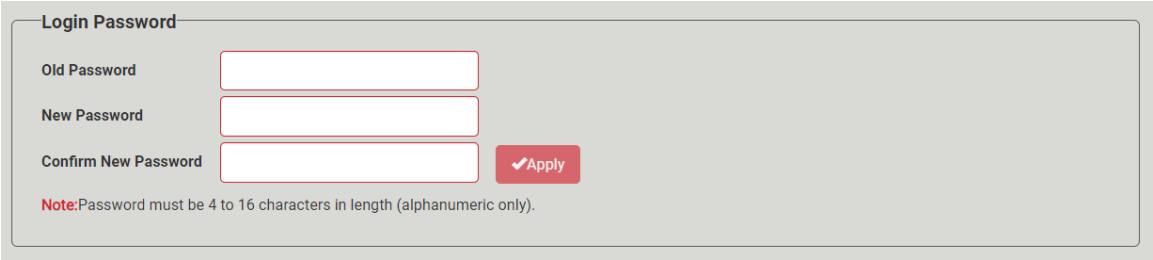
ZOOM ROOM ONLY WITH BYOD CONTENT SHARING



UI Element	Description
Application mode	Click the desired functionality scenario.

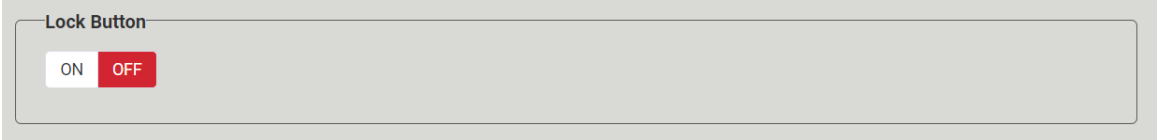
UI Element	Description
Source Status	Shows the current selected source name.

LOGIN PASSWORD



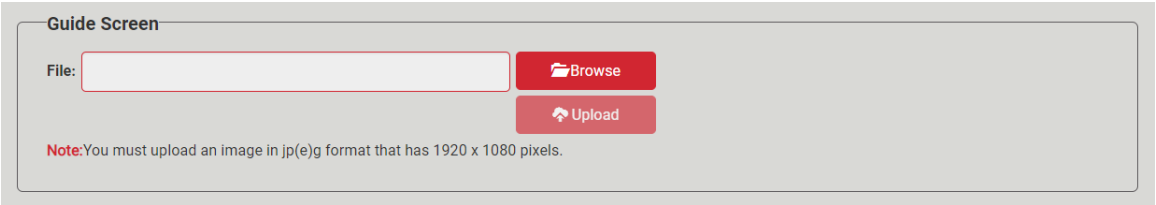
UI Element	Description
Login Password	Set a new login password. **Note:** The new password must be 4 to 16 characters in length, alphanumeric only.
Apply	Click to apply setting changes.

LOCK BUTTON



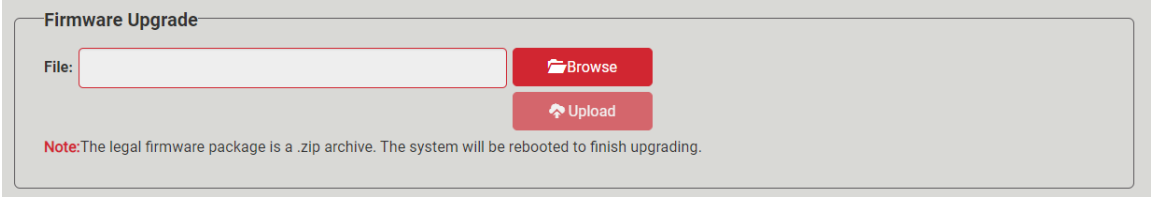
UI Element	Description
Lock Button	On: This locks the buttons on the top panel of the HT-ODYSSEY, disabling user control. Off: This unlocks the buttons for user control. NOTE: when in locked mode the HT-ODYSSEY will beep when buttons are pressed and the outside surrounding LED will light up red in that quadrant of the button press.

GUIDE SCREEN



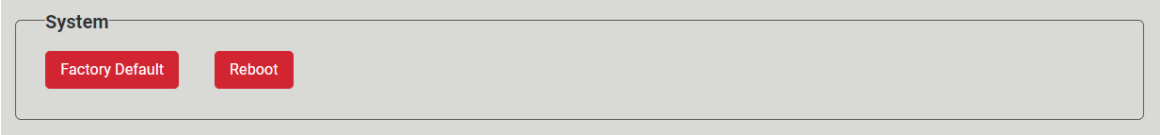
UI Element	Description
Browse	Set a new picture for the Guide Screen.
Upload	Click to upload the picture file to the device. **Note:** The picture must be in jpeg format that has 1920 x 1080 pixels.

FIRMWARE UPGRADE



UI Element	Description
Browse	Click to browse for the local upgrade file for firmware upgrade.
Upload	Click to upload the upgrade file to the device. **Note:** The upgrade file is a .zip archive. After the upgrade file is uploaded completely, the device reboots. **Note:** After the device reboots, factory reset the HT-ODYSSEY for changes to be saved.

SYSTEM



UI Element	Description
Factory Default	Click to restore the device to its factory defaults. **Note:** There are two additional ways to perform a factory reset: 1. Press and hold the Mic Mute & Power buttons on the top panel for 5 seconds. When this command is received all LED lights will flash quickly two times and the HT-ODYSSEY will factory reset. 2. Send the API command “gbcontrol --reset-to-default”. (For more information, see the separate API document.)
Reboot	Click to restart the device.

FIRMWARE VERSION

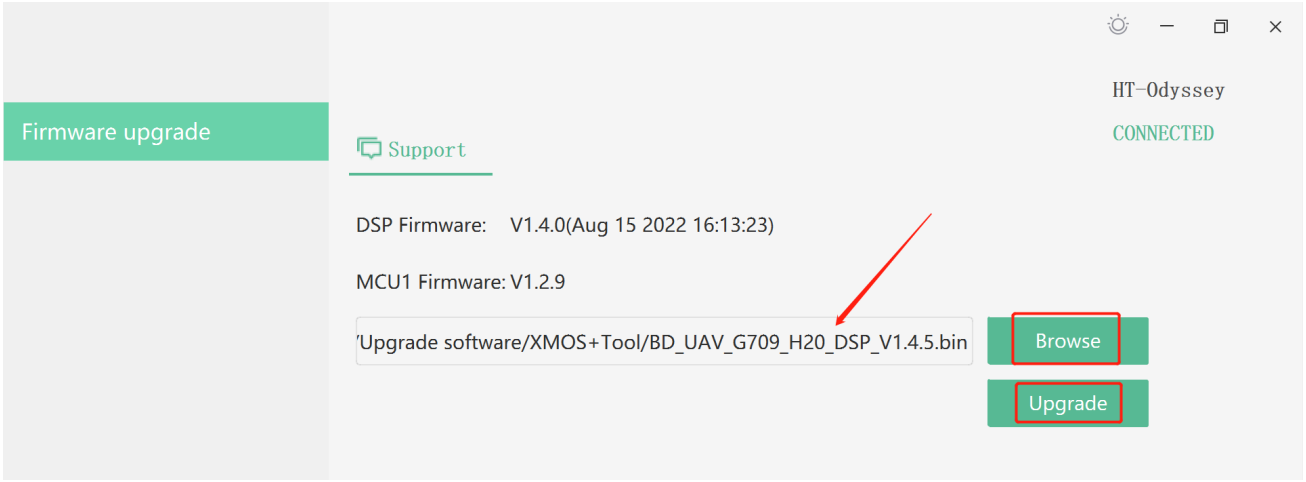
Firmware version shows the current firmware in use. (See “Firmware” section for firmware update instructions.)

DSP Firmware

1. Install the upgrade App on a Windows PC: “XUpgradeTool_000-1.0.7-Setup.exe”
2. Use USB Type-C cable to connect the HT-ODYSSEY to the PC
3. Put the device into upgrade mode by pressing the following button sequence. When in upgrade mode, the LED indicator will flash green.

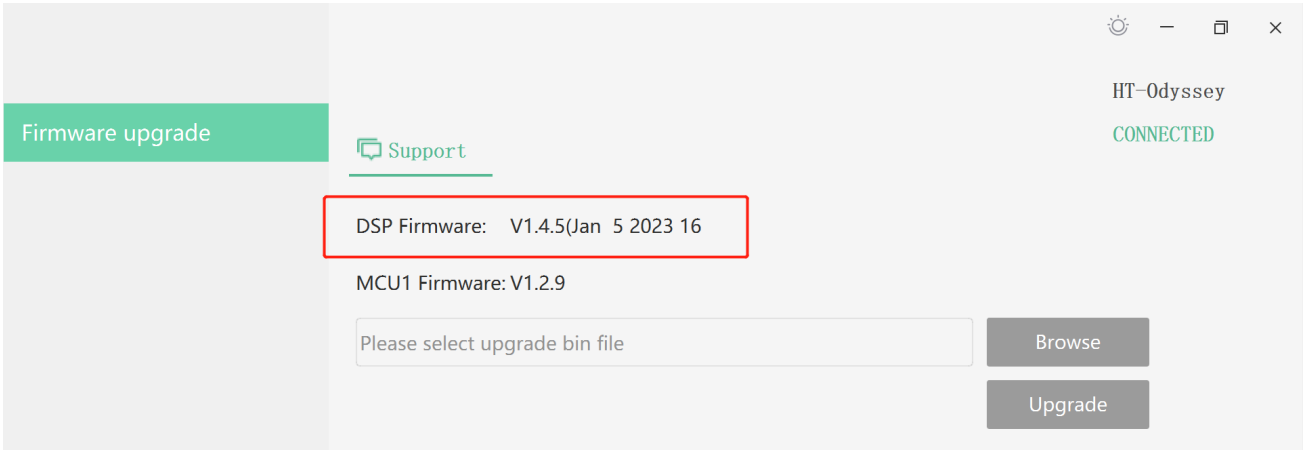
MUTE → POWER → + → POWER → - → POWER

4. Open the app. Connection to the HT-ODYSSEY will automatically happen if it is in upgrade mode.
5. Browse for the .bin file “HT-Odyssey_DSPV1.4.5.bin” and then click on “Upgrade”.



6. After the upgrade is complete, power cycle the HT-ODYSSEY to exit upgrade mode.
7. To check firmware, press the following button sequence. (A power cycle is needed to return the HT-ODYSSEY to normal operating mode.)

POWER → + → MUTE → - → POWER → MUTE



Troubleshooting

Problem Type	Problem	Options
Video	No Video on Display	Confirm the HDMI input on the display is correctly selected
		Confirm the connected source is sending video to the HT-ODYSSEY (verify the connected laptop is in duplicate or extend mode)
		Verify the HT-ODYSSEY video mute is not enabled (video mute indicator LED will be red if muted)
	Choppy video using AirPlay	Make sure the AirPlay device's WiFi is connected to HT-ODYSSEY soft AP (may need to turn on in Web UI)
USB	USB-C not connecting	Verify connected cable supports USB-C
		The response time to output video of USB 3.0 and Type-C is typically 6-8 seconds, although the response time between PC's can differ
		Confirm the PC can transmit video over USB-C by installing the DisplayLink device driver: https://www.displaylink.com/downloads
	PC charge reminder pop-up	This pop-up is normal since the HT-ODYSSEY charging power might be different than what the laptop requires
		To ensure the laptop doesn't lose power, connect a dedicated power supply
Audio	No audio at far end on soft codec call (i.e. Meet, Teams, Zoom, etc.)	Verify the HT-ODYSSEY microphone is not muted (red LED means muted)
		Verify the microphone selected in the soft codec is the HT-ODYSSEY
		Verify the soft codec microphone is not muted
	No audio heard on HT-ODYSSEY with HDMI	Verify the HT-ODYSSEY is selected as the desired speaker output in the laptop by clicking on the speaker icon to open the audio output
		Verify the HT-ODYSSEY is not muted
		Verify the levels are turned up on both the laptop and the HT-ODYSSEY
		Verify the USB-A to USB-B Mini is connected (this is needed for audio, even with the HDMI connected)

Specifications

Video and Audio	
Video Input	1 x USB-C In (Type-C or USB3.0 via DisplayLink); 1 x HDMI In; 1 x LAN; 1 x WLAN
Video Output	1 x HDMI Out; 1 x HDBT Out
Video Resolution supported (max)	Input: HDMI/USB Type-C: up to 4K@30Hz 4:4:4 8bit USB 3.0 (DisplayLink): up to 1080P@60Hz Wi-Fi/HT-Voyager: up to 1080P@30Hz Output: HDMI/HDBT OUT: up to 4K@30Hz 4:4:4 8bit
Speaker	10W Sound pressure level: 82±3db 1m/1w at 1KHz Respond range: 150Hz~17K Hz Distortion: 5% max
Mics	4x Omnidirectional Mics Array Sensitivity：-26 dB 94 dB SPL @ 1 kHz SNR:64dB(A) 20 kHz bandwidth, A-weighted fCLOCK=2.4 MHz THD:0.2% 94 dB SPL @ 1 kHz AOP:120dB SPL 10% THD @ 1 kHz Frequency Response: ±2dB (100~10KHz) @94dB SPL
Meeting with	More than 10 People
Transmission Distance	HDBT OUT: up to 40m/131ft at 3840*2160 30Hz

General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/±4kV (Contact discharge)
Power Supply	DC 24V 5A
Charging via Type-C Port	60W (Max)
Power Consumption	89W (Max)
Device Dimension (W x H x D)	267.3mm x 105.5mm x 232mm/10.52” x 4.15” x 9.13”
Product Net Weight	1.06kg/2.33lbs

1234 Lakeshore Drive, Suite #150, Coppell, TX 75019
halltechav.com / support@halltechav.com
(714)641-6607