HT-ODYSSEY
BYOD Conference Speakerphone with presentation switch and wireless casting

User Manual
Version: 1.0
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.
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*Error! Bookmark not defined.*

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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
<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Speaker</td>
<td>Outputs audio of input source.</td>
</tr>
</tbody>
</table>
| 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                                                                                                                                                                                                  |
<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
</table>
|    |      | Connect to a USB-C video source (e.g. laptop) for video input using the USB Type-C cable provided. 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 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 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:

![Guide Screen Image]

**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.

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.

![Login Window]

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**

![Device Name Section]

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device Name</td>
<td>Change the device name if desired.</td>
</tr>
<tr>
<td></td>
<td><strong>Note</strong>: The name must be 1~20 characters in length, including letters,</td>
</tr>
<tr>
<td></td>
<td>numbers, “_” or “.”.</td>
</tr>
<tr>
<td>Apply</td>
<td>Click to apply setting changes.</td>
</tr>
</tbody>
</table>

**NETWORK**

![Network Settings]

**Note**: Please wait for reboot after changing network settings.
<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network</td>
<td>Used to modify network settings.</td>
</tr>
<tr>
<td>IP Mode</td>
<td>Select the desired IP mode between DHCP and Static. (Default is DHCP)</td>
</tr>
<tr>
<td>IP Address</td>
<td>Set the IP address manually if Static mode is selected.</td>
</tr>
<tr>
<td>Subnet Mask</td>
<td>Set Subnet Mask manually if Static mode is selected.</td>
</tr>
<tr>
<td>Default Gateway</td>
<td>Set the Default Gateway manually if Static mode is selected.</td>
</tr>
<tr>
<td>DNS Server 1</td>
<td>Set gateway address manually for the device to communicate with another network that uses different communication protocols when Static mode is selected.</td>
</tr>
<tr>
<td>DNS Server 2</td>
<td>Set DNS server manually for the switcher to ensure normal network communication.</td>
</tr>
<tr>
<td>Apply</td>
<td>Click to apply setting changes.</td>
</tr>
</tbody>
</table>

**WI-FI SETTINGS**

![Wi-Fi Settings](image)

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
</table>
| 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

### SOFT AP

**Soft AP**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>Enable the device’s soft AP (Access Point) function.</td>
</tr>
<tr>
<td>OFF</td>
<td>Disable the device’s soft AP function.</td>
</tr>
</tbody>
</table>

**Soft AP Router**

<table>
<thead>
<tr>
<th>Soft AP Router</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>Enable the device’s soft AP router function so that wireless devices</td>
</tr>
<tr>
<td></td>
<td>connected to soft AP are able to access the internet (in the condition</td>
</tr>
<tr>
<td></td>
<td>that the LAN port of the device is connected to the internet).</td>
</tr>
<tr>
<td>OFF</td>
<td>Disable the device’s soft AP function to prevent wireless devices</td>
</tr>
<tr>
<td></td>
<td>connected to soft AP from accessing the internet.</td>
</tr>
</tbody>
</table>

**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, "_" or ".".

**Apply**

Click to apply setting changes.

BYOD Error! Bookmark not defined.

### BYOD

**BYOD Feature**

<table>
<thead>
<tr>
<th>BYOD Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>Enable the device’s BYOD feature.</td>
</tr>
<tr>
<td>OFF</td>
<td>Disable the device’s BYOD feature.</td>
</tr>
</tbody>
</table>

**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
UI Element | Description
--- | ---
access code 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.

**CEC**

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEC</td>
<td>Set display on or off through CEC commands.</td>
</tr>
<tr>
<td>Power On</td>
<td>Click to power on the connected display through CEC command.</td>
</tr>
<tr>
<td>Power Off</td>
<td>Click to power off the connected display through CEC command.</td>
</tr>
<tr>
<td>CEC Edit</td>
<td>Select the desired method for sending CEC commands. Options for sending commands are either HDMI Out or HDBT Out.</td>
</tr>
<tr>
<td>Command Testing</td>
<td>To test a command, enter the command string into the Command Testing field and hit “Send”.</td>
</tr>
</tbody>
</table>
| 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**

![STANDBY UI Element Description](image)

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby</td>
<td>Set Standby mode settings.</td>
</tr>
</tbody>
</table>
| **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.                                                                 |
| **Apply**            | Click to apply setting changes.                                                                                                                                                                             |

**Video**

**HDMI OUT RESOLUTION**

![HDMI Out Resolution](image)
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**

```
Output HDCP

HDMI OUT | FOLLOW
HDBT OUT | FOLLOW
```

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**

```
Video Mute

ON  OFF
```

UI Element | Description
--- | ---
Video Mute | • **On**: Set video mute on.
• **Off**: Set video mute off.

By default it is set as **Off**.
**MANAGE ALIAS**

![Manage Alias UI Element](image)

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Source</td>
<td>Displays the video source name.</td>
</tr>
<tr>
<td>Alias</td>
<td>Enter a name to change the video source name to a new one.</td>
</tr>
<tr>
<td>Apply</td>
<td>Click to apply setting changes.</td>
</tr>
</tbody>
</table>

**Advanced Settings**

**APPLICATION MODE**

**BYOD SCENARIO**

**ZOOM ROOM SCENARIO**
<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application mode</td>
<td>Click the desired functionality scenario.</td>
</tr>
<tr>
<td>Source Status</td>
<td>Shows the current selected source name.</td>
</tr>
</tbody>
</table>

**LOGIN PASSWORD**

![Login Password Image]

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Login Password</td>
<td>Set a new login password.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> The new password must be 4 to 16 characters in length, alphanumeric only.</td>
</tr>
<tr>
<td>Apply</td>
<td>Click to apply setting changes.</td>
</tr>
</tbody>
</table>

**LOCK BUTTON**

![Lock Button Image]

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lock Button</td>
<td>On: This locks the buttons on the top panel of the HT-ODYSSEY, disabling user control.</td>
</tr>
<tr>
<td></td>
<td>Off: This unlocks the buttons for user control.</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> 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.</td>
</tr>
</tbody>
</table>

**WELCOME MENU – CUSTOM WEB UI LOGO**

![Welcome Menu - Custom Web UI Logo Image]

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
</table>

**Note:** Image must be in PNG format with a resolution of 292x80 pixels.
### UI Element Description

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Browse</td>
<td>Set a new logo for the Web UI.</td>
</tr>
<tr>
<td>Upload</td>
<td>Click to upload the logo image to the device. <strong>Note:</strong> The image must be in PNG format with a resolution of 292x80 pixels.</td>
</tr>
</tbody>
</table>

#### GUIDE SCREEN

![Guide Screen](image)

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Browse</td>
<td>Set a new picture for the Guide Screen.</td>
</tr>
<tr>
<td>Upload</td>
<td>Click to upload the picture file to the device. <strong>Note:</strong> The picture must be in jpeg format that has 1920 x 1080 pixels.</td>
</tr>
</tbody>
</table>

#### FIRMWARE UPGRADE

![Firmware Upgrade](image)

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Browse</td>
<td>Click to browse for the local upgrade file for firmware upgrade.</td>
</tr>
<tr>
<td>Upload</td>
<td>Click to upload the upgrade file to the device. <strong>Note:</strong> The upgrade file is a .zip archive. After the upgrade file is uploaded completely, the device reboots.</td>
</tr>
</tbody>
</table>

#### SYSTEM

![System](image)

<table>
<thead>
<tr>
<th>UI Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Factory Default</td>
<td>Click to restore the device to its factory defaults. <strong>Note:</strong> There are two additional ways to perform a factory reset:</td>
</tr>
<tr>
<td>UI Element</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td></td>
<td>1. Press and hold the Mic Mute &amp; 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.</td>
</tr>
<tr>
<td></td>
<td>2. Send the API command “gbcontrol --reset-to-default”. (For more information, see the separate API document.)</td>
</tr>
<tr>
<td>Reboot</td>
<td>Click to restart the device.</td>
</tr>
</tbody>
</table>

**FIRMWARE VERSION**

Firmware version shows the current firmware in use.
Troubleshooting

1. A display is connected to the HDMI out of the HT-ODYSSEY but there is no video shown on the display.
   a. Confirm the HDMI input of the display is correctly selected
   b. Confirm the connected source is sending video to the HT-ODYSSEY (i.e. verify laptop is in duplicate or extend mode)
   c. Verify the HT-ODYSSEY video mute is not enabled (video mute indicator LED will be red if muted)

2. The USB 3.0 and USB Type-C ports of HT-ODYSSEY connect to a PC,
   a. 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
   b. To confirm if the USB port on PC can transmit video; install the DisplayLink device driver, click the link to download https://www.displaylink.com/downloads.

3. During a soft codec call (i.e. GoToMeeting, Meet, Teams, Zoom etc.) with the laptop connected to the HT-ODYSSEY the far end cannot hear the local room participants talk.
   a. Verify the mic of the HT-ODYSSEY is not in Mute mode (in Mute mode the circle indicator on the top panel lights up red).
   b. Verify the microphone selected in the soft codec is the HT-ODYSSEY
   c. Verify the soft codec microphone is not muted

4. The PC is connected to the HT-ODYSSEY with an HDMI cable with video working at the display however there is no audio being sent to the HT-ODYSSEY speaker.
   a. In order to get audio into the HT-ODYSSEY with a hardwire connection the USB-A to USB-B Mini is connected (included in the box).
   b. Verify the USB-A to USB-B Mini cable is properly connected between the HT-ODYSSEY and the PC
   c. If connected properly, 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.

5. Using AirPlay the transmitted video is choppy and not smooth.
   a. Make sure the AirPlay device’s WiFi is connected to the soft AP on the HT-ODYSSEY.

6. When the PC is connected to the Type-C port on the HT-ODYSSEY a pop-up on the PC appears giving a charge reminder.
   a. This is normal since the HT-ODYSSEY charging power might be different than what the PC requires
   b. To ensure the PC doesn’t lose power, connect the dedicated PC power supply.

Specifications
## Video and Audio

<table>
<thead>
<tr>
<th>Video Input</th>
<th>1 x USB-C In (Type-C or USB3.0 via DisplayLink); 1 x HDMI In; 1 x LAN; 1 x WLAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Output</td>
<td>1 x HDMI Out; 1 x HDBT Out</td>
</tr>
</tbody>
</table>

### 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

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