

HOLLYLAND C1 Pro Hub Duplex ENC Wireless Intercom System



# HOLLYLAND C1 Pro Hub Duplex ENC Wireless Intercom System User Manual

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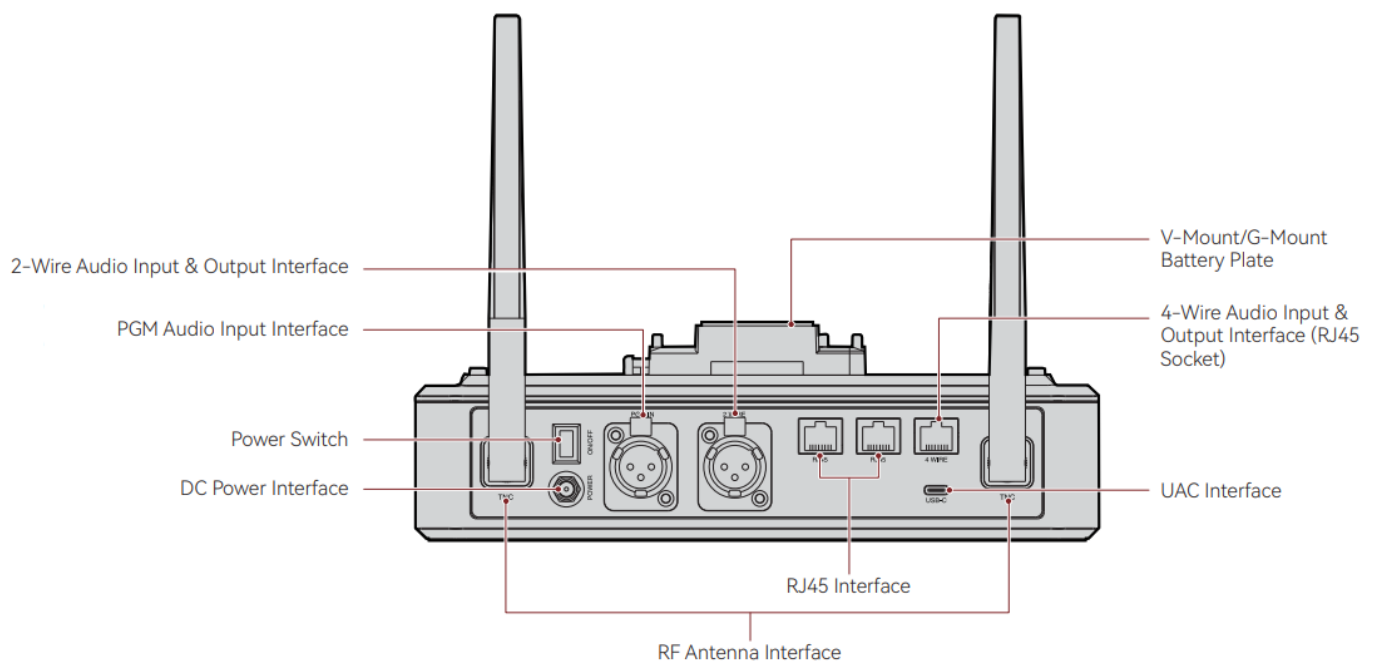
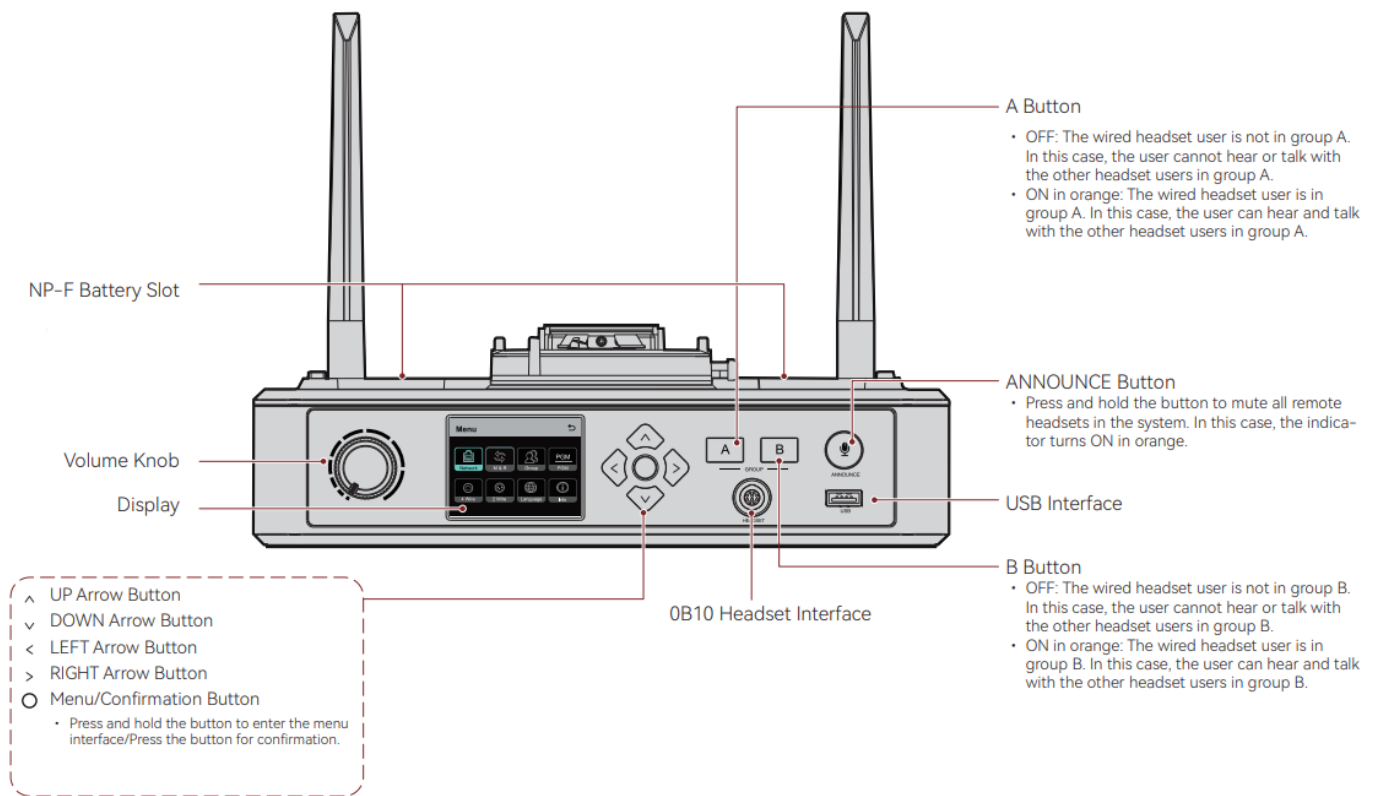
**HOLLYLAND C1 Pro Hub Duplex ENC Wireless Intercom System**



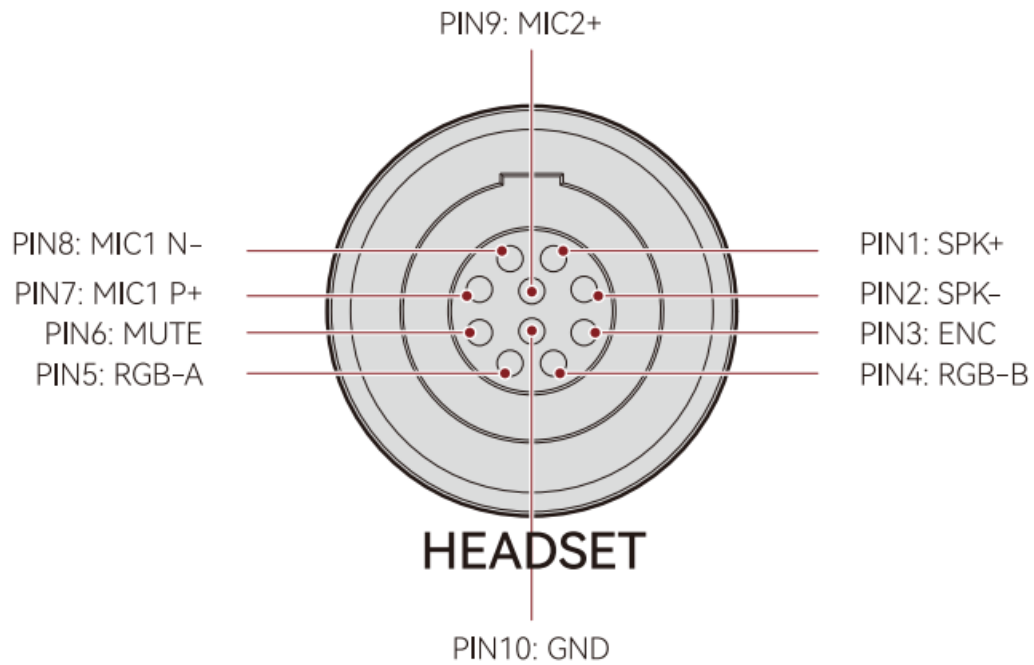
## FAQ

- **Q:** How do I switch between Master and Remote modes on the hub?
  - **A:** In the menu interface, select M & R and then choose between Master Device or Remote Device settings to configure the hub accordingly.

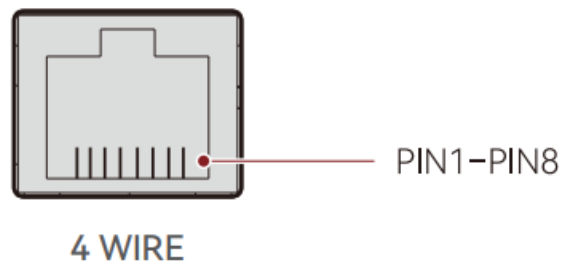
## Interfaces



## OB10 Wired Headset Interface



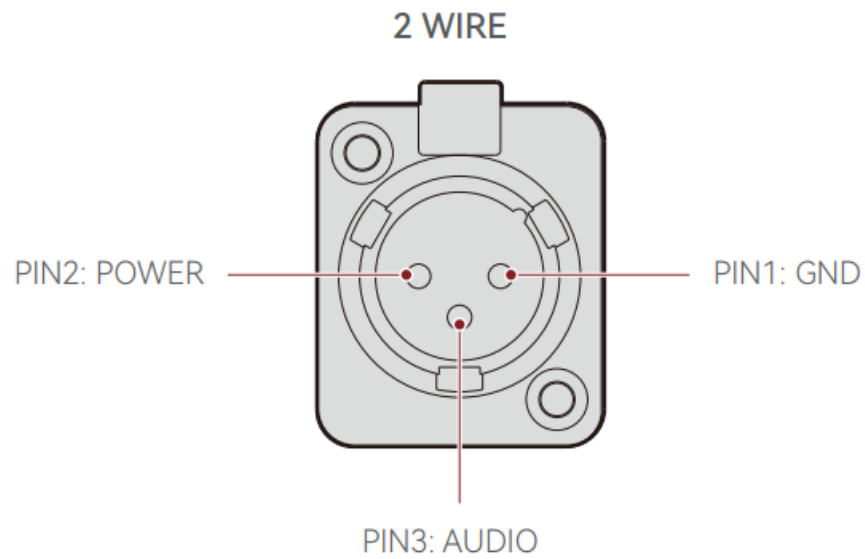
#### 4-Wire Audio Input & Output Interface



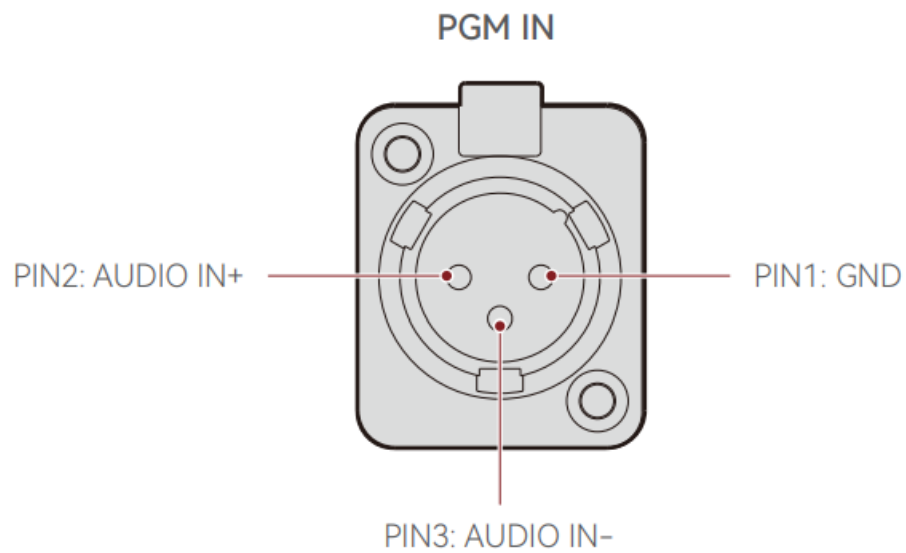
| Standard Line Sequence |            |      |            |
|------------------------|------------|------|------------|
| PIN1                   | GND        | PIN5 | AUDIO OUT- |
| PIN2                   | GND        | PIN6 | AUDIO IN-  |
| PIN3                   | AUDIO IN+  | PIN7 | GND        |
| PIN4                   | AUDIO OUT+ | PIN8 | GND        |

| Cross Line Sequence |            |      |            |
|---------------------|------------|------|------------|
| PIN1                | GND        | PIN5 | AUDIO IN-  |
| PIN2                | GND        | PIN6 | AUDIO OUT- |
| PIN3                | AUDIO OUT+ | PIN7 | GND        |
| PIN4                | AUDIO IN+  | PIN8 | GND        |

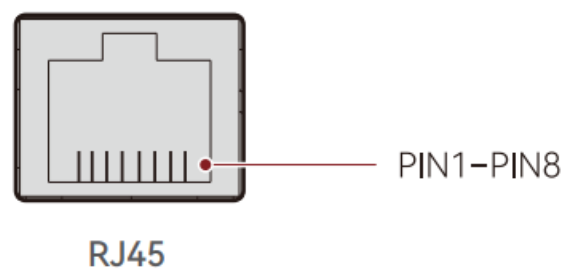
## 2-Wire Audio Input & Output Interface



## PGM Audio Input Interface



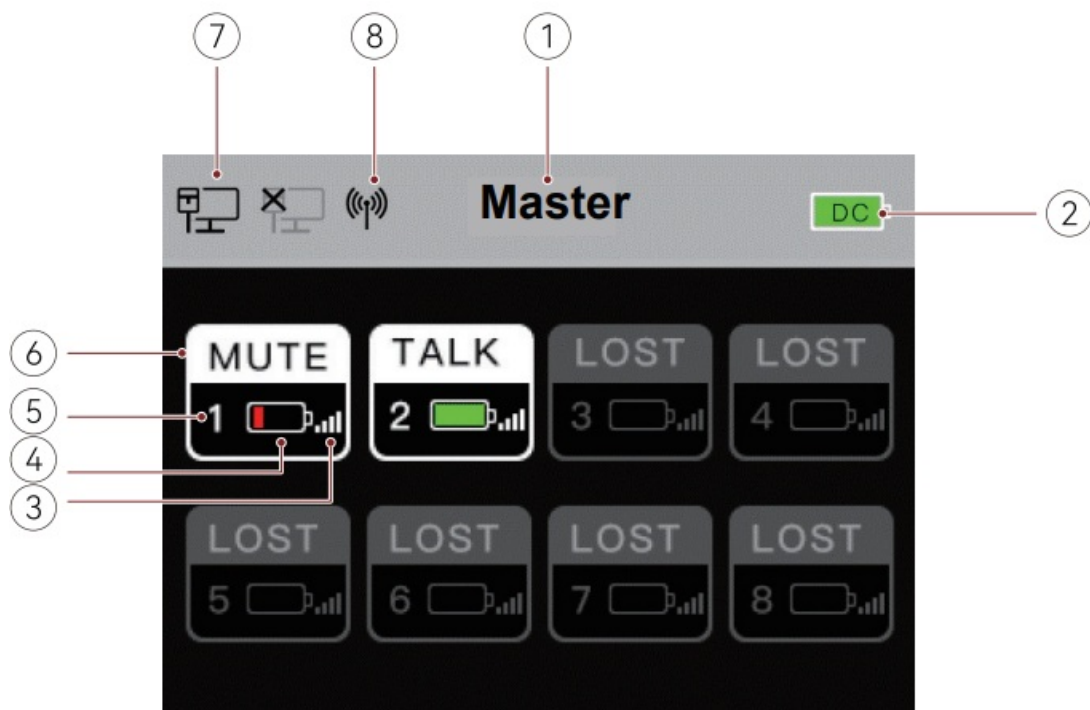
## RJ451/RJ452 Interface



| Standard Line Sequence |                  |      |               |
|------------------------|------------------|------|---------------|
| PIN1                   | Transceive Data+ | PIN5 | Not connected |
| PIN2                   | Transceive Data- | PIN6 | Receive Data- |
| PIN3                   | Receive Data+    | PIN7 | Not connected |
| PIN4                   | Not connected    | PIN8 | Not connected |

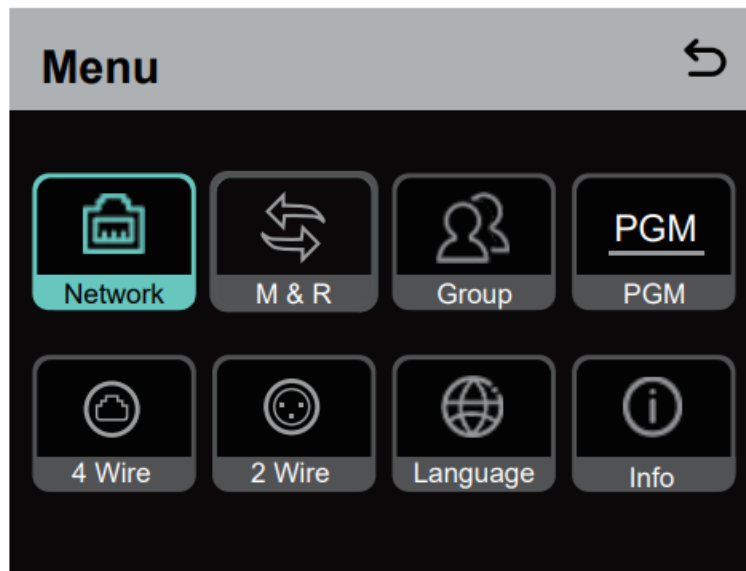
## Operation Guide

### Hub Display Description



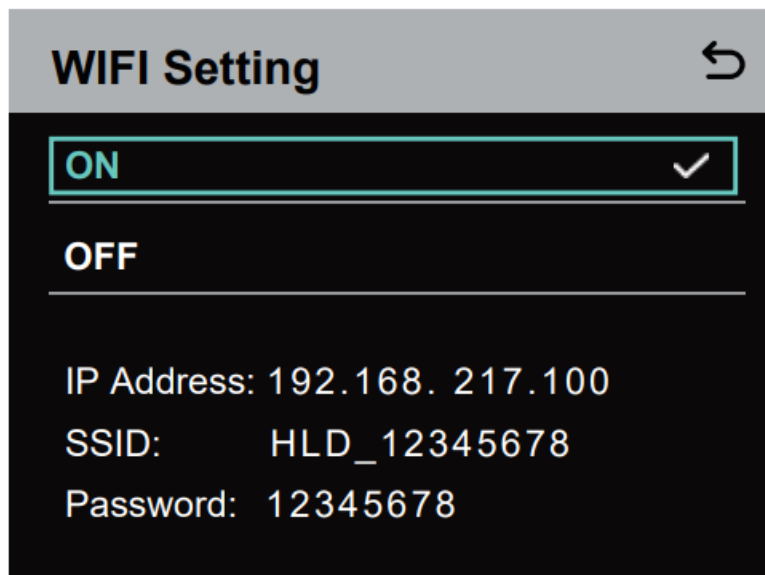
1. Hub Mode (Master/Remote)
2. Hub Battery Level
3. Headset Signal Strength
4. Headset Battery Level (Red: Low Battery)
5. Headset Number
6. Headset Status
  - **TALK:** The headset user can hear and talk with the other headset users.
  - **MUTE:** The headset user is muted and can only hear the other headset users.
  - **LOST:** The headset is disconnected from the hub.
  - **LINK:** The headset is reconnecting to the hub.
7. Network Connection Status
8. Wi-Fi Status

### Hub Menu Description

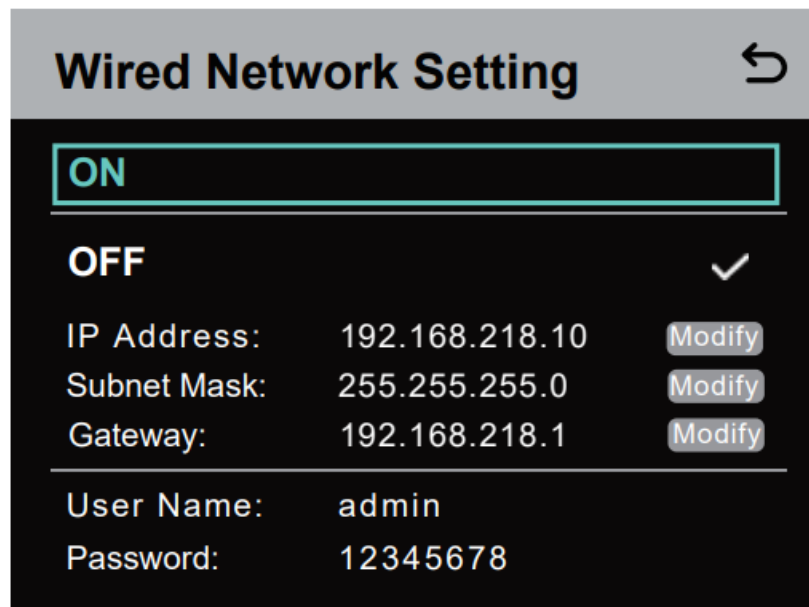


- Press and hold the Menu/Confirmation button for about 3 seconds to enter the menu interface.

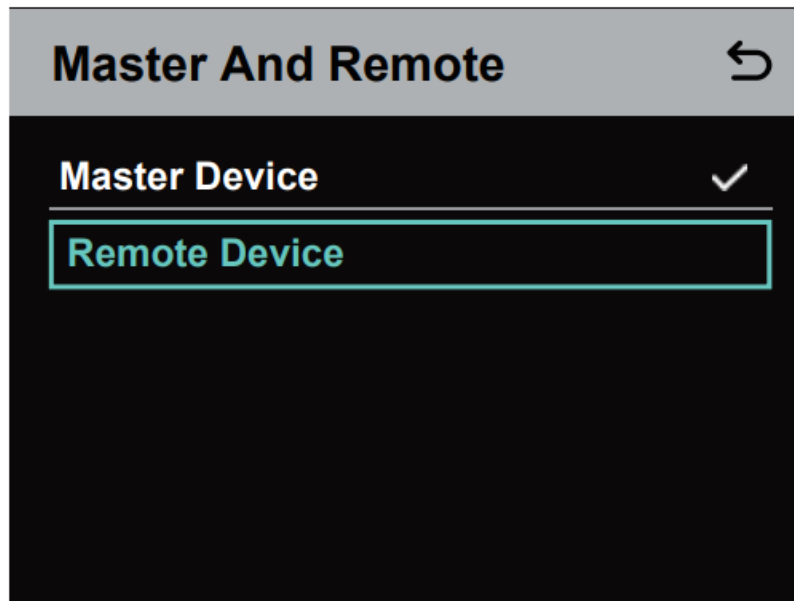
1. Select Network to enter the network configuration interface.



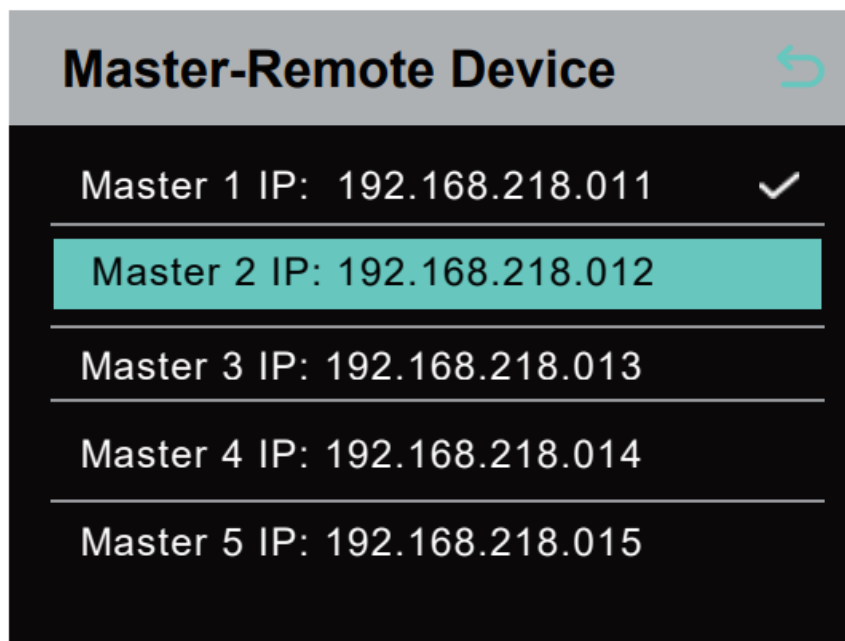
1. Select Wifi Setting to turn Wi-Fi ON or OFF. After it is turned ON, the IP address, SSID, and password are displayed.



2. Select Wired Network Setting to turn DHCP ON or OFF. If it is turned OFF, you can also modify the IP address, subnet mask, and gateway as well as view the user name and password for logging in to the web.
2. Select M & R to set the hub as the master device or remote device.

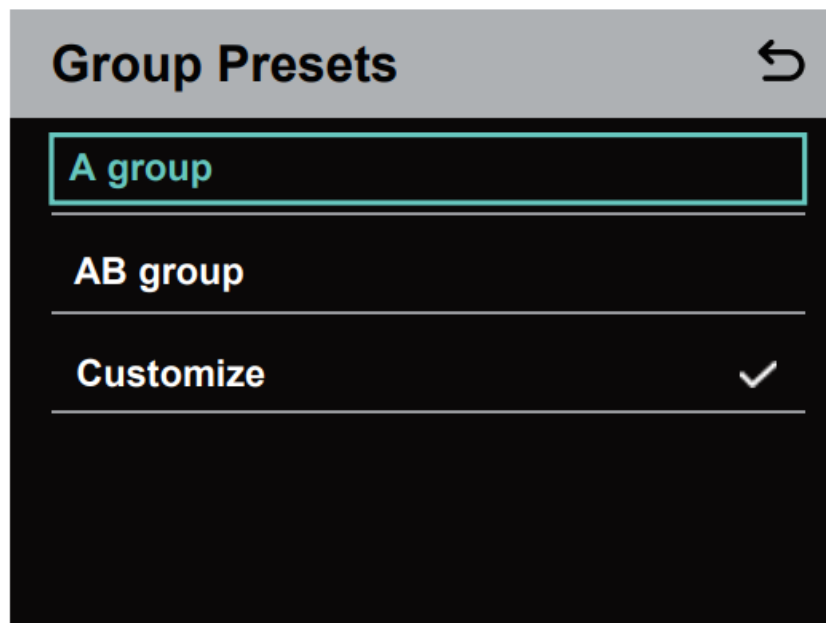


1. Select Master Device to set the hub as the master device.

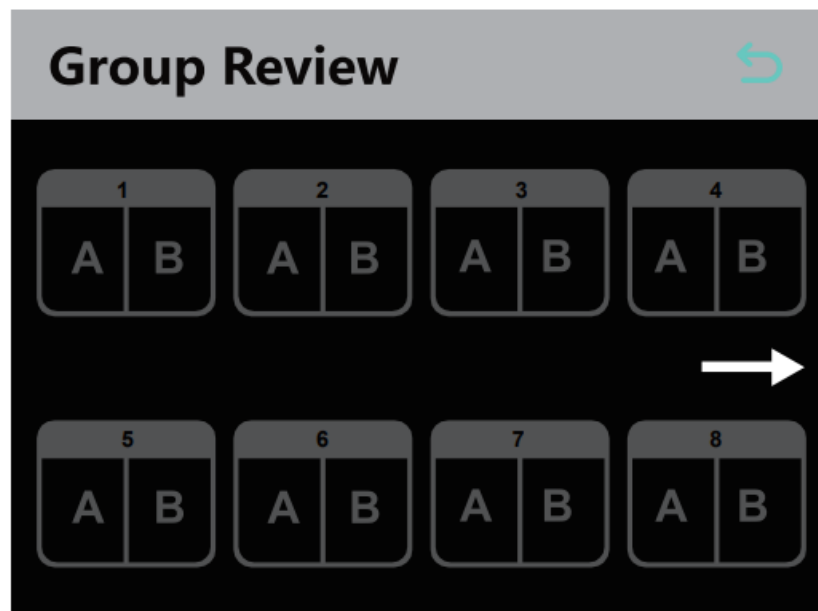


2. Select Remote Device and then select Scan to scan the IP addresses of master devices on the network. Select the IP address of the corresponding master device in the displayed list and confirm it. Then, the hub is successfully set as the remote device.
  - When a single hub is used, the hub needs to be set as the master device.
  - When more than two hubs are used in a cascaded connection, one hub needs to be set as the master device and the other hubs as the remote devices.
3. Select Group to perform group settings and view group status.

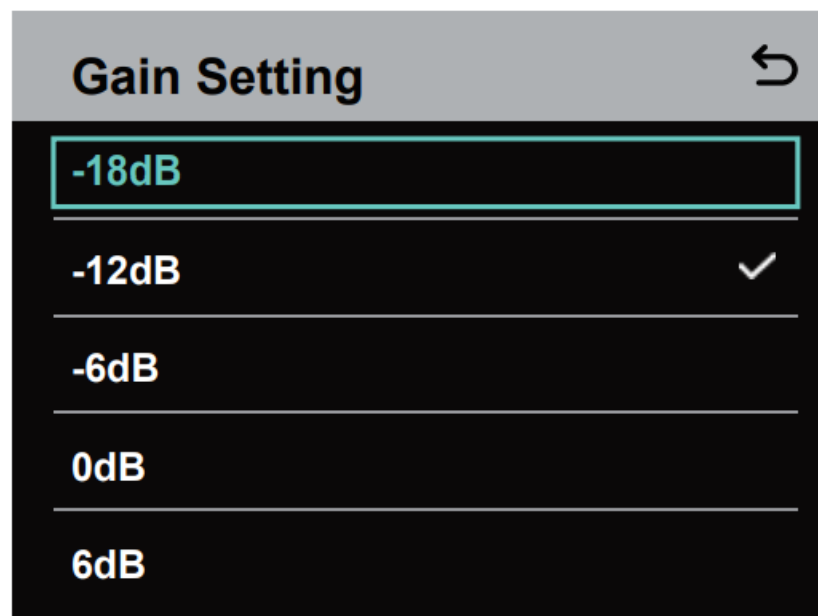




1. There are three options: A group (All devices are in group A), AB group (All devices are in groups A and B), and Customize (The group settings can be customized on the web. All devices are in group A by default).



2. Select Group Review to view group settings.



4. Select PGM to set the PGM audio gain according to the input volume.
5. Select 4 Wire to perform 4-wire audio settings.

**Input Gain**

-18dB

-12dB

-6dB

0dB ✓

6dB

1. Select Input Gain to set the input gain according to the input volume.

**Output Gain**

-18dB

-12dB

-6dB

0dB ✓

6dB

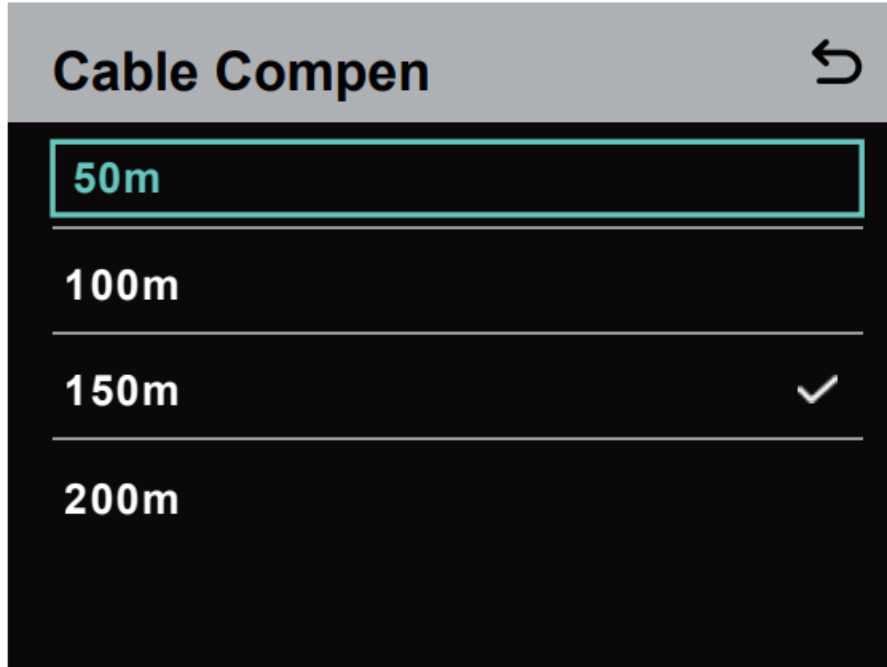
2. Select Output Gain to set the output gain according to the input volume.

**Line sequence switching**

3 4 5 6  
IN+ OUT+ OUT- IN- | **Standard** ✓

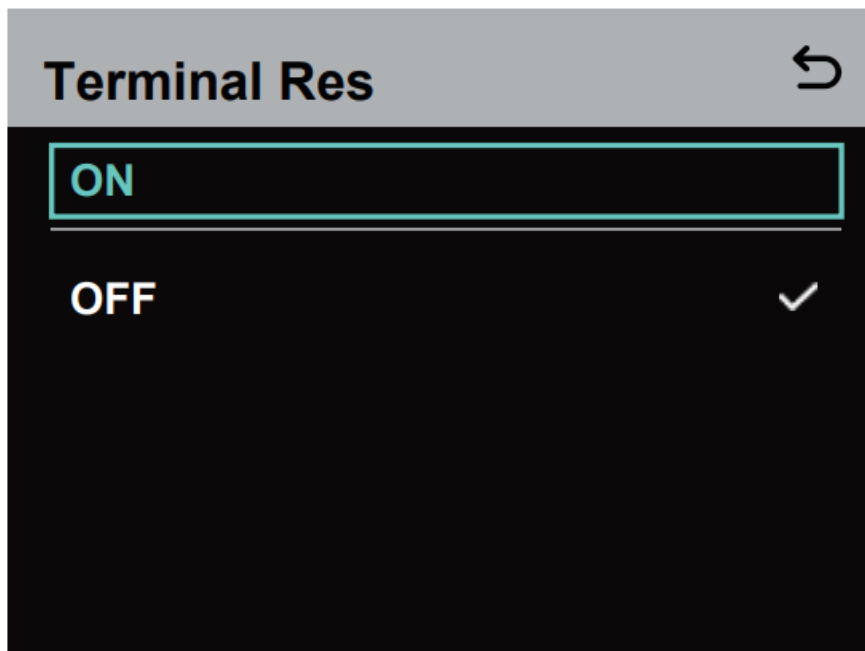
3 4 5 6  
OUT+ IN+ IN- OUT- | **Cross**

3. Select Line Sequence Switching to switch between Standard and Cross modes.
6. Select 2 Wire to perform 2-wire audio settings.
  1. Connect the hub to a 2-wire device and set the corresponding cable compensation and terminal resistance on the hub. Power on the 2-wire device and turn OFF or disconnect its microphone to make sure that there is no other audio transmission on the 2-wire link. Otherwise, the accuracy of auto-null settings may be affected. After Auto Null is selected, auto-null settings for the 2-wire device will be performed automatically on the hub.



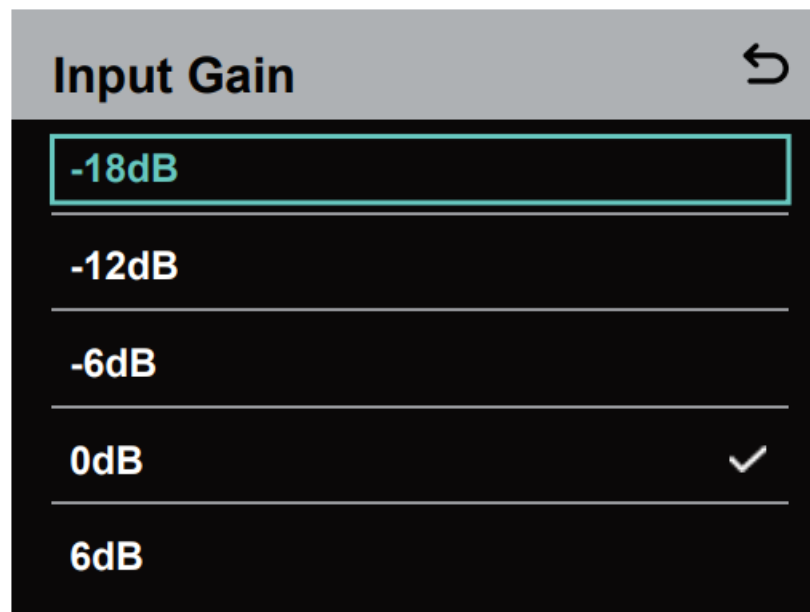
The screenshot shows a menu titled "Cable Compen" with a back arrow in the top right corner. The menu lists four cable length options: "50m", "100m", "150m", and "200m". The "150m" option is selected, indicated by a white checkmark to its right. The "50m" option is highlighted with a red rectangular border.

2. Select Cable Compen to check the 2-wire cable length and select the corresponding compensation option according to the cable length.

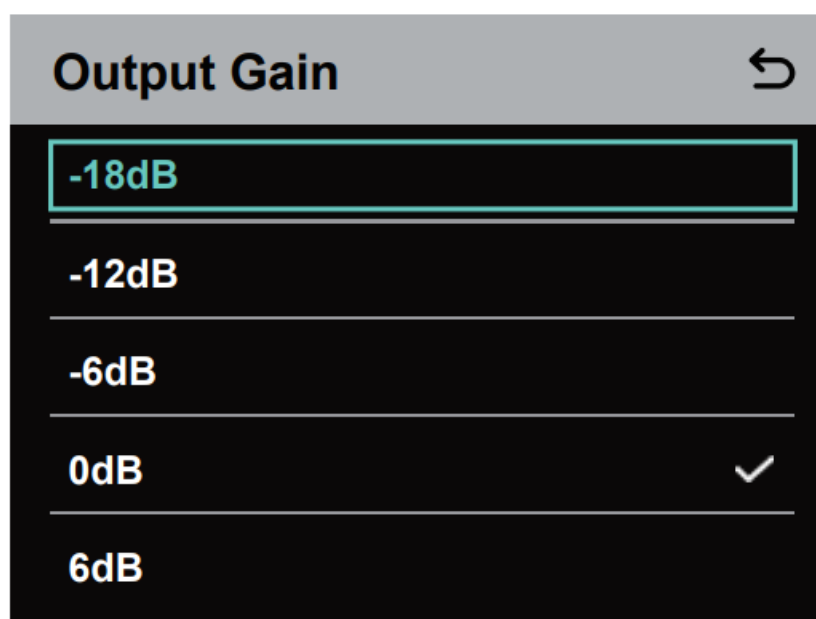


The screenshot shows a menu titled "Terminal Res" with a back arrow in the top right corner. The menu lists two options: "ON" and "OFF". The "OFF" option is selected, indicated by a white checkmark to its right. The "ON" option is highlighted with a red rectangular border.

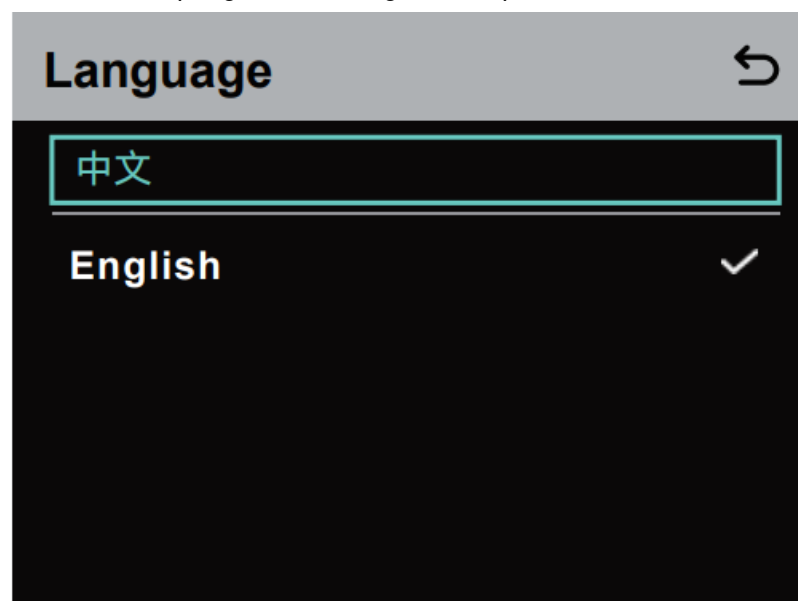
3. Select Terminal Res to check whether the 2-wire device connected via the 2-wire interface has terminal resistance. If it has, select OFF. Otherwise, select ON.




4. Select Input Gain to set the input gain according to the input volume.



5. Select Output Gain to set the output gain according to the input volume.




7. Select Language to perform language settings. You can switch between Chinese and English.

Info


| Master-Remote       | Remote Device |
|---------------------|---------------|
| Reset               | >             |
| Version Information | V1.0.3.5      |
| Hardware Number     | H000          |

8. Select Info to check related information about the hub.

Reset



Are you sure to reset?

YES


NO

9. 8.1 Select Reset to restore the configured hub information to the default settings.

## Performing Group Settings via a Computer

Wired Network Setting


ON

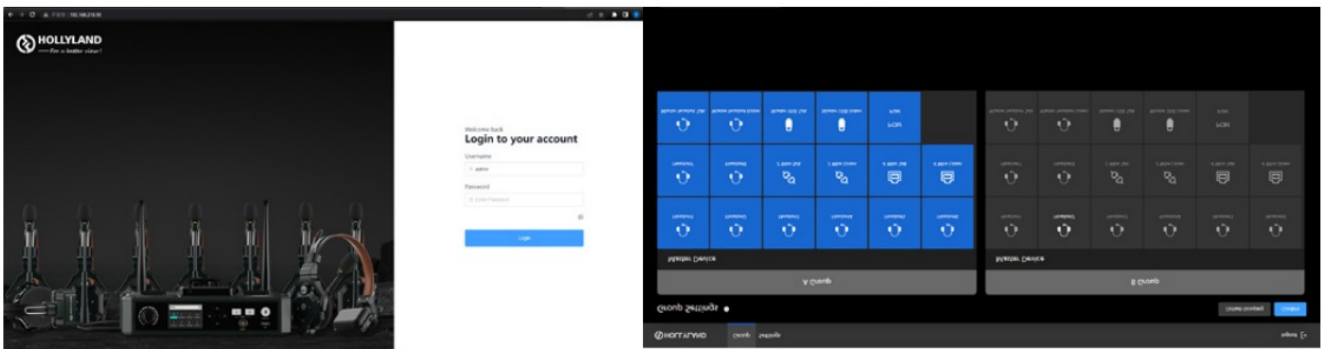
OFF 

|              |                |        |
|--------------|----------------|--------|
| IP Address:  | 192.168.218.10 | Modify |
| Subnet Mask: | 255.255.255.0  | Modify |
| Gateway:     | 192.168.218.1  | Modify |
| User Name:   | admin          |        |
| Password:    | 12345678       |        |

- Select Network > Wired Network Setting to view the default IP address, user name, and password of the hub.



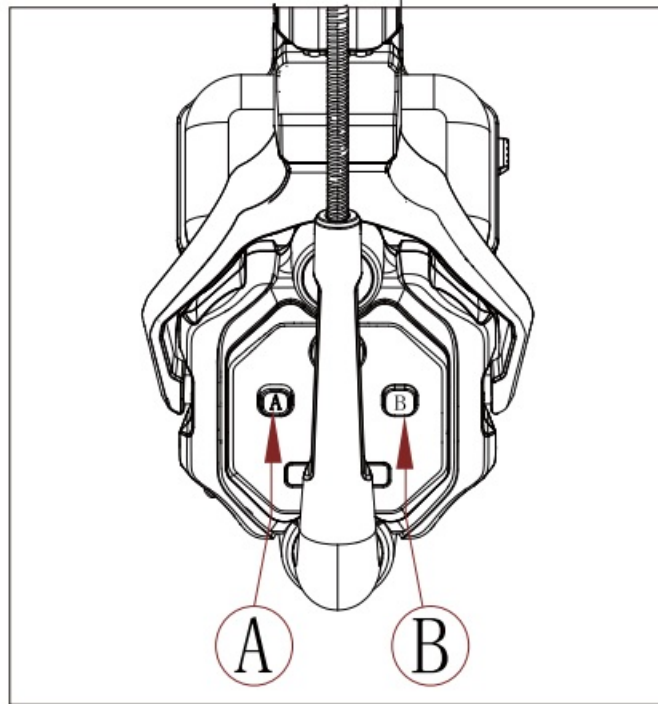
- Use a network cable to connect the hub to a computer via the RJ45 interface and set the IP address of the computer as 192.168.218.XXX. The default IP address of the hub is 192.168.218.10.



- Open a browser on the computer and visit <http://192.168.218.10> to enter the configuration page for the hub.

## Group A & B Buttons on Headsets

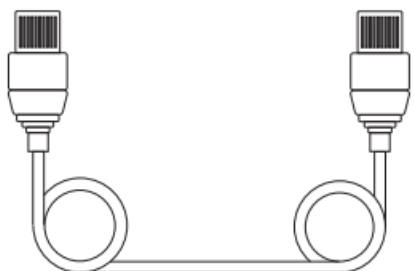
After group settings are performed on the hub, the A or B button on a connected headset will light ON. The button light status indicates which group the headset has joined. To join or exit group A or B, simply press the A or B button on the headset.



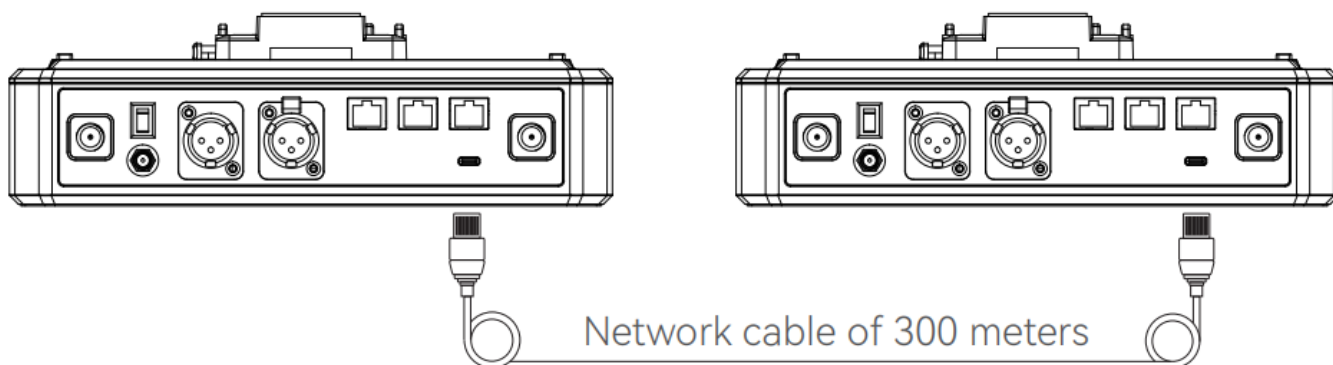
| A & B Button Light Status | Description   |
|---------------------------|---|
| ON in orange              | The headset user is in the corresponding group. In this case, the headset user can hear and talk with the other headset users in the group.       |
| OFF                       | The headset user is not in the corresponding group. In this case, the headset user cannot hear or talk with the other headset users in the group. |

### Cascaded Connection

Multiple hubs can be cascaded to expand the number of headsets. The hub supports two cascade methods — cascade via 4-wire analog signals and cascade via IP digital signals. Generally, it is recommended to cascade two hubs using 4-wire analog signals, and cascade three or more than three hubs using IP digital signals. It is recommended to use a CAT5e cable for cascade and use the 568B standard for the RJ45 interface.

| Standard Network Cable  | Specifications | Max Length |
|---|----------------|------------|
|  | CAT5e CAT6e    | 300 meters |

### Two-System Cascaded Connection via the 4-Wire Interface



- Use a standard network cable to connect two hubs via the 4-wire interface. The length of the network cable is up to 300 meters.

### 4-Wire Settings

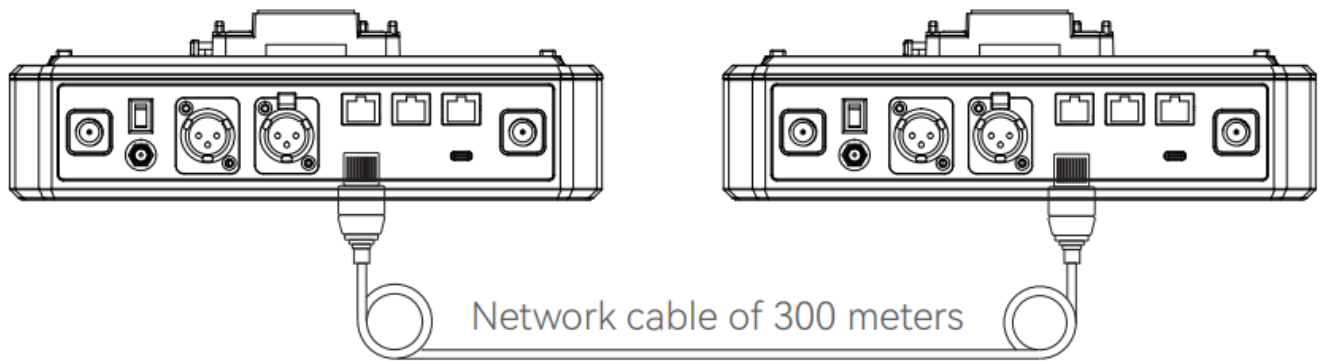
- After connecting two hubs using a network cable, select 4 Wire > Line Sequence Switching on the hubs, and then select Standard on one hub and Cross on the other hub.

### Hub Display

| Hub ①           | Select 4 Wire > Line Sequence Switching.   | Select <b>Standard</b> .   |
|-----------------|--|--|
| 4-Wire Settings | <div> <div>4 Wire Setting ↶</div> <div> <div>Input Gain &gt;</div> <div>Output Gain &gt;</div> <div>Line Sequence Switching &gt;</div> </div> </div> | <div> <div>Line sequence switching ↶</div> <div> <div>3 4 5 6</div> <div>IN+ OUT+ OUT- IN-   <b>Standard</b> ✓</div> <div>3 4 5 6</div> <div>OUT+ IN+ IN- OUT-   Cross</div> </div> </div> |
| Hub ②           | Select 4 Wire > Line Sequence Switching.   | Select <b>Cross</b> .  |
| 4-Wire Settings | <div> <div>4 Wire Setting ↶</div> <div> <div>Input Gain &gt;</div> <div>Output Gain &gt;</div> <div>Line Sequence Switching &gt;</div> </div> </div> | <div> <div>Line sequence switching ↶</div> <div> <div>3 4 5 6</div> <div>IN+ OUT+ OUT- IN-   Standard</div> <div>3 4 5 6</div> <div>OUT+ IN+ IN- OUT-   <b>Cross</b> ✓</div> </div> </div> |

### Two-System Cascaded Connection via the IP Network



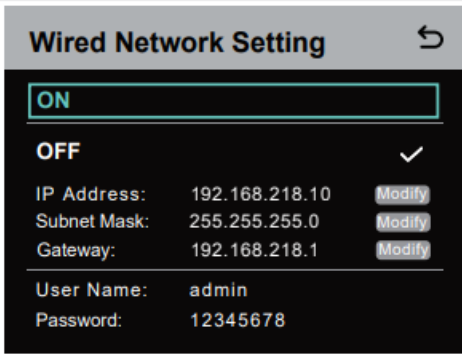
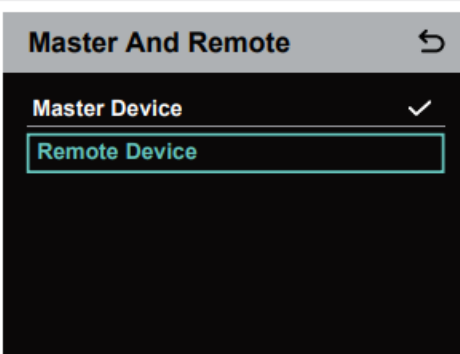
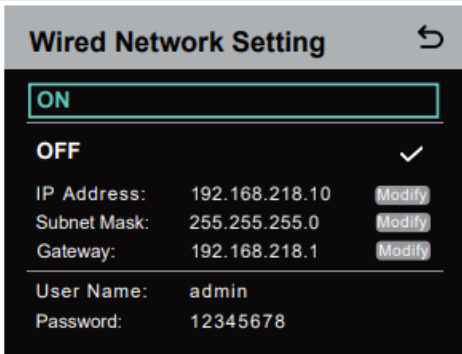
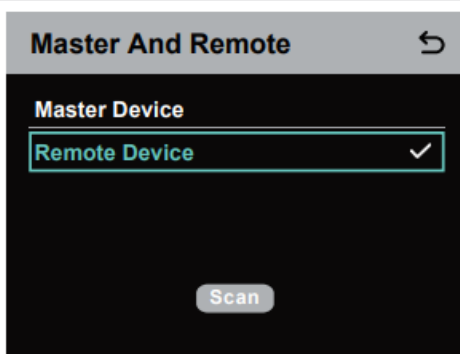
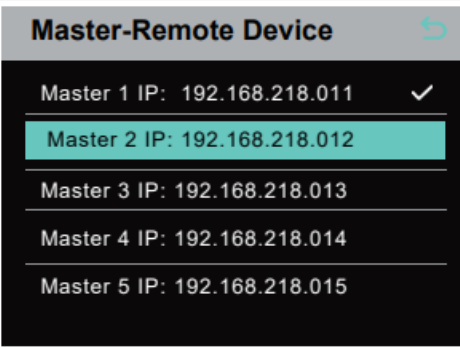


- Use a standard network cable to connect two hubs via the RJ45 interface. Either of the two RJ45 interfaces on the hub works. The length of the network cable is up to 300 meters.

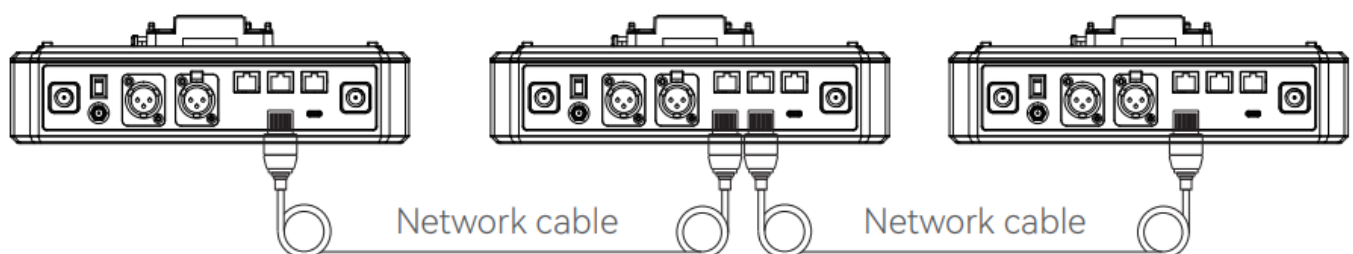
### **M & R Mode Settings**

- After connecting two hubs using a network cable, select M & R on the hubs to set the hub mode. On one hub, select Master Device. On the other hub, select Remote Device > Scan and then select the IP address of the corresponding master hub.
- Note that the function of obtaining the IP address automatically under Network > Wired Network Setting needs to be turned OFF on both two hubs.

### **Hub Display**

|                  |  |  |
|------------------|--|--|
| Hub ①            | Select Network > Wired Network Setting > OFF.  | Select M & R > Master Device.  |
| Network Settings |   |    |
| Hub ②            | Select Network > Wired Network Setting > OFF.  | Select M & R > Remote Device > Scan.   |
| Network Settings |   |    |
|                  | After <b>Scan</b> is selected, the IP addresses of master devices will be displayed. Then, select the desired IP address using the arrow buttons and press the Menu/Confirmation button to confirm the IP address. |  |

### Three-System Cascaded Connection via the IP Network



- It is recommended to use the IP network connection to cascade three hubs. On one hub, select Master Device, and on the other two hubs, select Remote Device.

### Parameters

|                       |  |
|-----------------------|--|
| Antenna               | External   |
| Power Supply          | DC power, NP-F battery, V-mount battery,<br>G-mount battery          |
| Volume Adjustment     | Adjustment knob  |
| Power Consumption     | < 4.5W   |
| Dimensions            | (LxWxH): 259.9mm x 180.5mm x 65.5mm (10.2" x 7.1" x 2.6")            |
| Net Weight            | About 1300g (45.9oz) with the antennas excluded                      |
| Transmission Range    | 1,100ft (350m) LOS   |
| Frequency Band        | 1.9 GHz (DECT)   |
| Bandwidth             | 1.728MHz   |
| Wireless Technology   | Adaptive Frequency Hopping   |
| Wireless Power        | ≤ 21dBm (125.9 mW)   |
| Modulation Mode       | GFSK   |
| RX Sensitivity        | < -90dBm   |
| Frequency Response    | 150Hz-7kHz   |
| Signal-to-Noise Ratio | > 55dB   |
| Distortion            | < 1%   |
| Input SPL             | > 115dBSPL   |
| Temperature Range     | 0°C to 45°C (working condition)<br>-10°C to 60°C (storage condition) |

#### Note

1. The frequency band and wireless power vary by country and region.
2. The highest working temperature is 40°C when the adapter is used for the power supply.

## Safety Precautions

- Do not place the product near or inside heating devices (including but not limited to microwave ovens, induction cookers, electric ovens, electric heaters, pressure cookers, water heaters, and gas stoves) to prevent the battery from overheating and exploding.
- Do not use non-original charging cases, cables, and batteries with the product. The use of non-original accessories may cause electric shock, fire, explosion, or other dangers.

## Support

If you encounter any problems in using the product or need any help, please contact Hollyland Support Team via the following ways:

- Hollyland User Group
- **FB:** HollylandTech
- **Insta:** HollylandTech
- **Youtube:** HollylandTech
- [support@hollyland.com](mailto:support@hollyland.com)
- [www.hollyland.com](http://www.hollyland.com)

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## Note:



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## Documents / Resources

|  |  |
|--|--|
| <br><br> | <a href="#">HOLLYLAND C1 Pro Hub Duplex ENC Wireless Intercom System</a> [pdf] User Manual<br>C1 Pro Hub Duplex ENC Wireless Intercom System, C1 Pro Hub, Duplex ENC Wireless Intercom System, Intercom System, System |
|--|--|

References

-  [Hollyland - Wireless Video Transmitter, Intercom, Microphone](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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