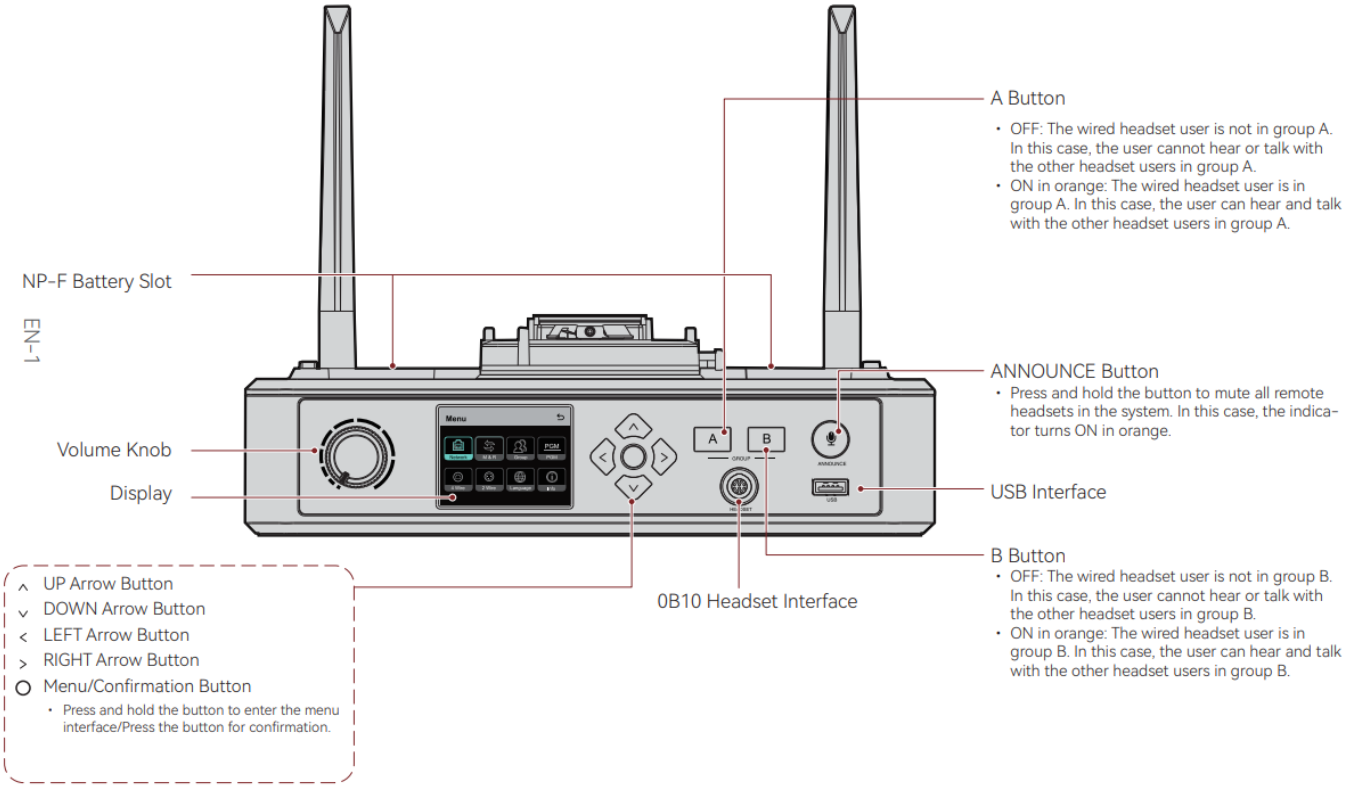
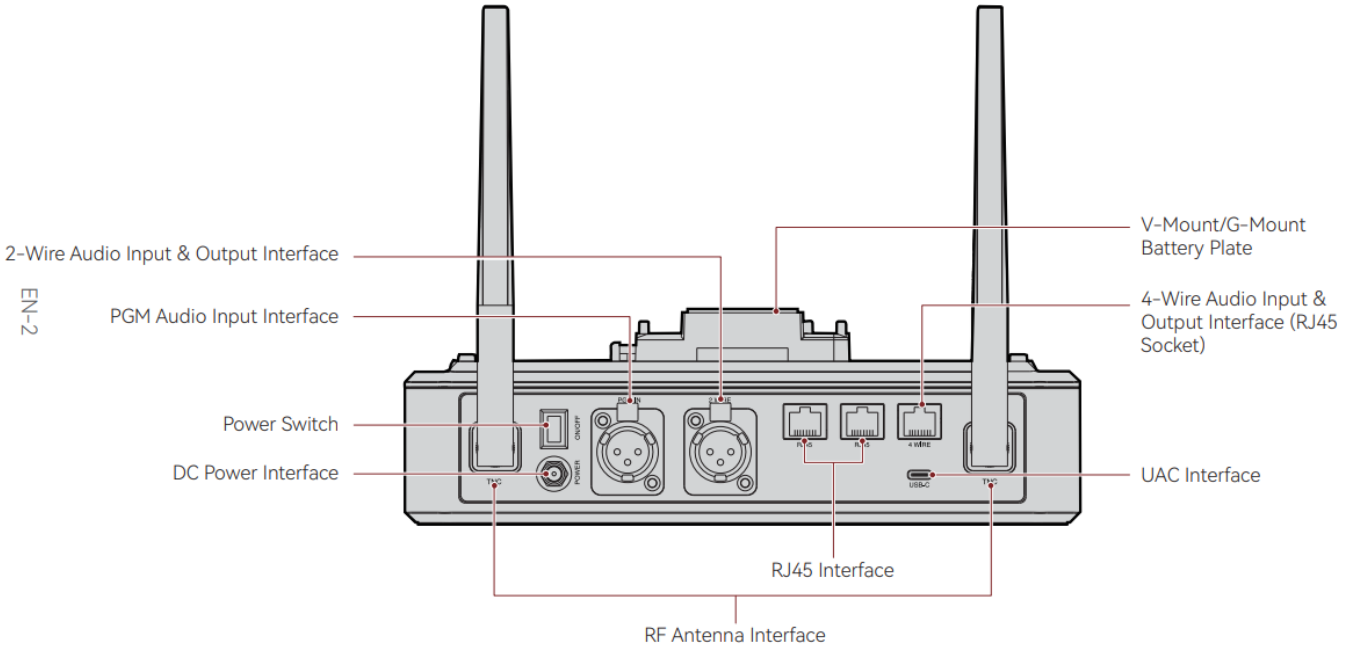
HOLLYLAND C1 Solidcom Pro Hub User Manual

Hollyland Solidcom C1 Pro Hub
User Manual
V2.0

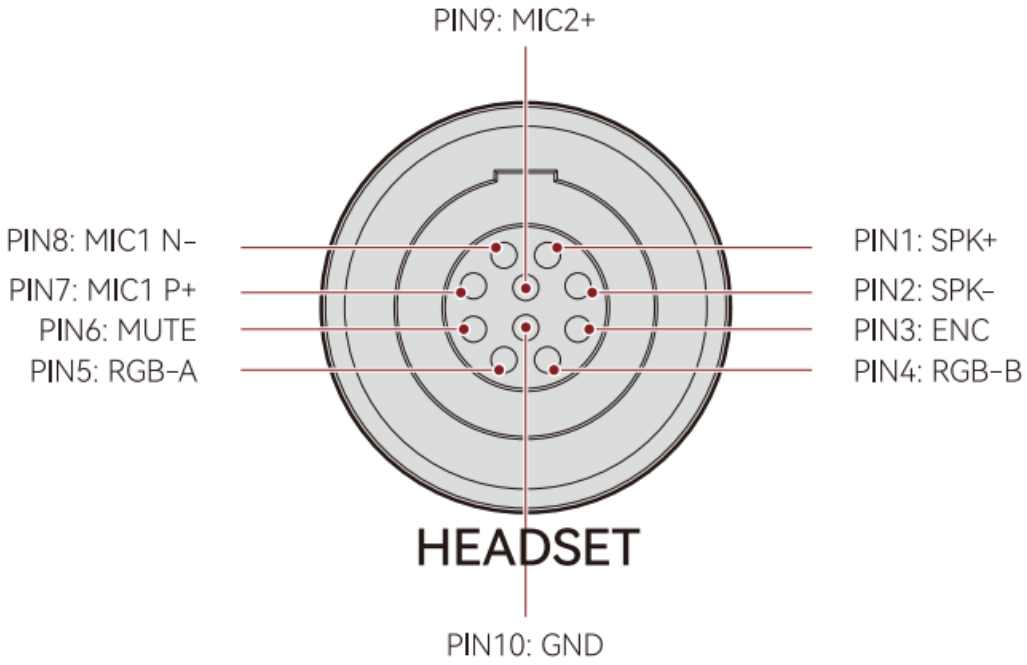
Contents

Interfaces

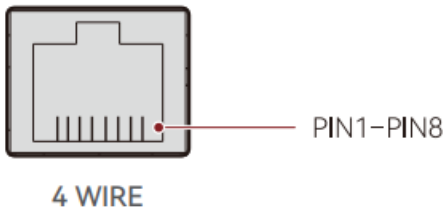




0B10 Wired Headset Interface



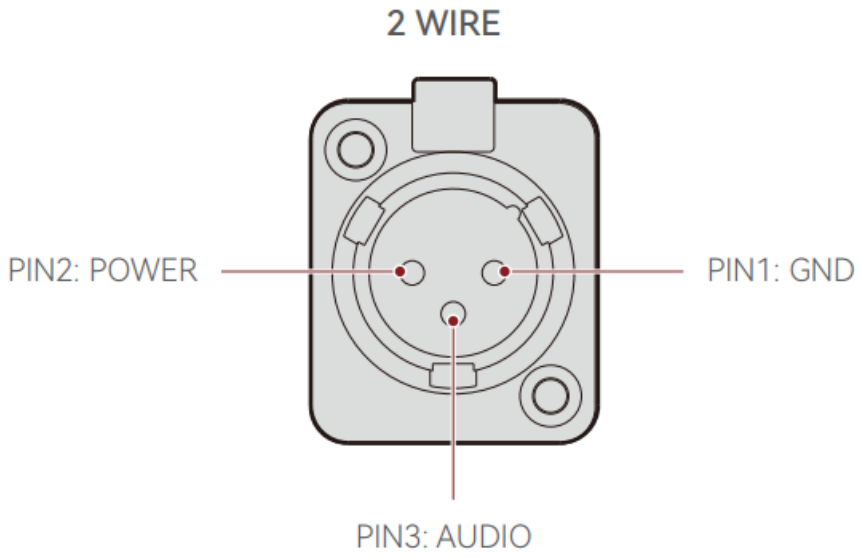
4-Wire Audio Input & Output Interface



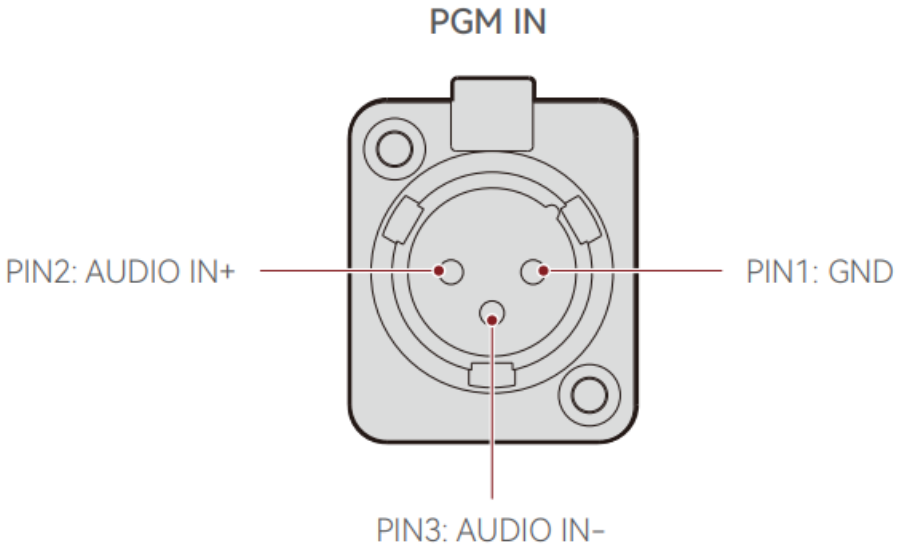
Standard Line Sequence			
PIN1	GND	PINS	AUDIO OUT-
PIN2	GND	PING	AUDIO IN-
PIN3	AUDIO IN+	PIN7	GND
PIN4	AUDIO OUT+	PIN8	GND

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

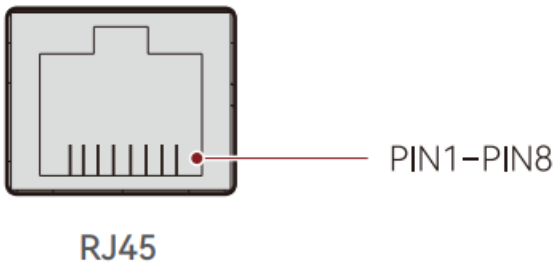
2-Wire Audio Input & Output Interface



PGM Audio Input Interface



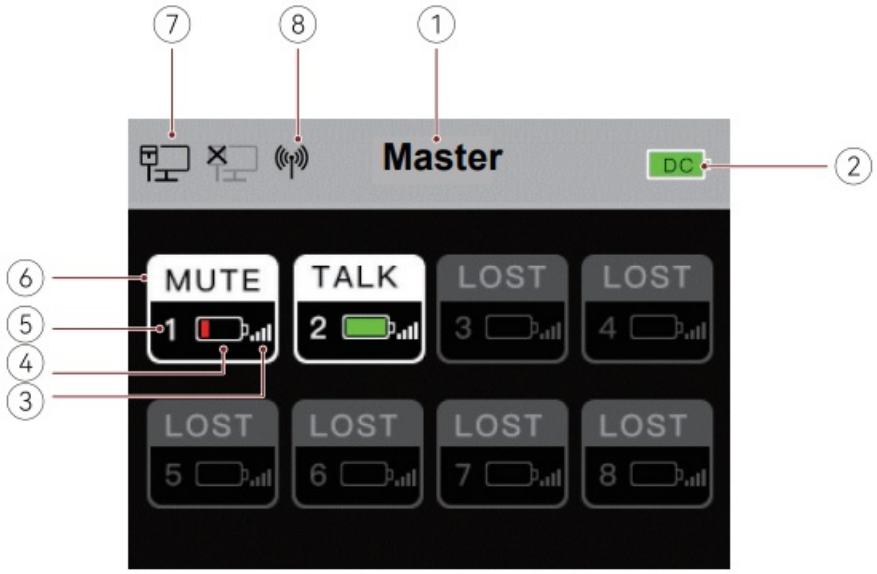
RJ451/RJ452 Interface



Standard Line Sequence			
PIN1	Transceive Data+	PIN5	Not connected
PIN2	Transceive Data-	PIN6	Receive Data-
PIN3	Receive Data-F	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.

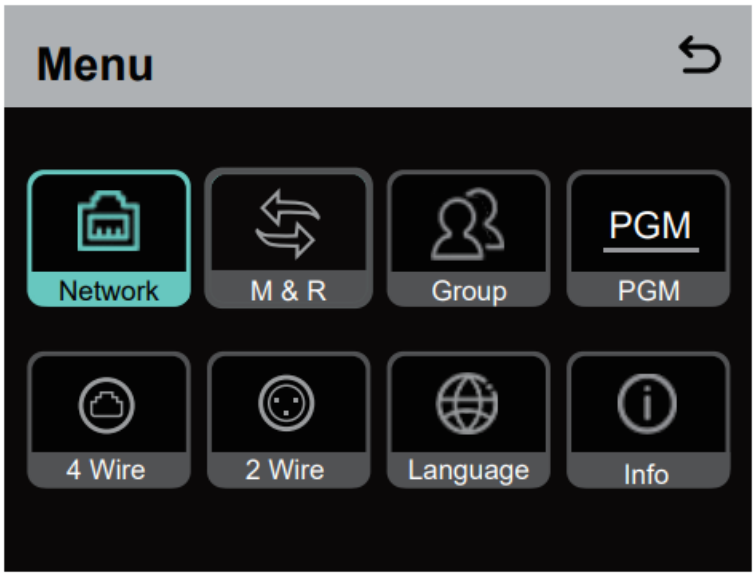
   MUTE: The headset user is muted and can only hear the other headset users.

   LOST: The headset is disconnected from the hub.

   LINK: The headset is reconnecting to the hub.
7. Network Connection Status
8. Wi-Fi Status

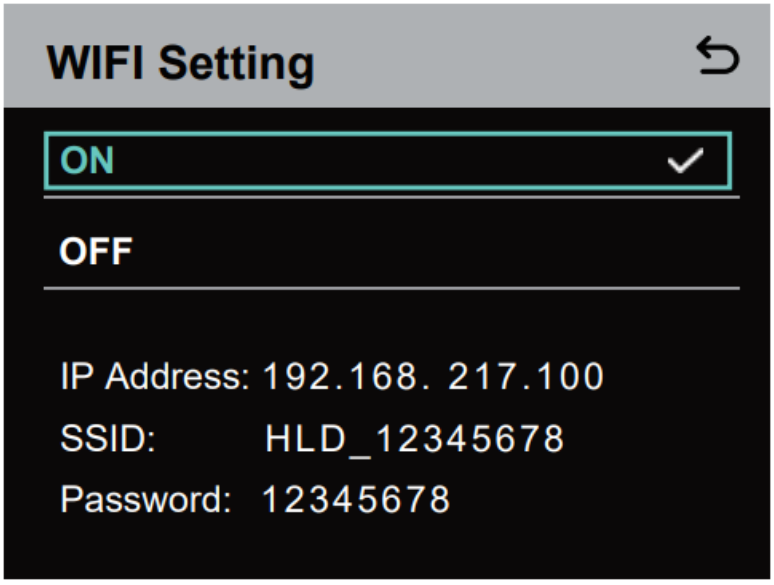
Hub Menu Description

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

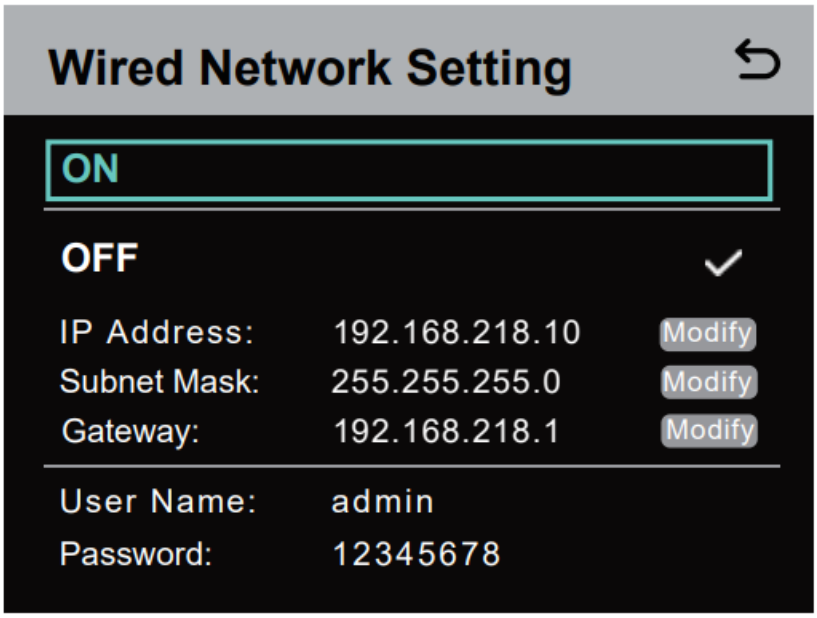


1. Select Network to enter the network configuration interface.

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

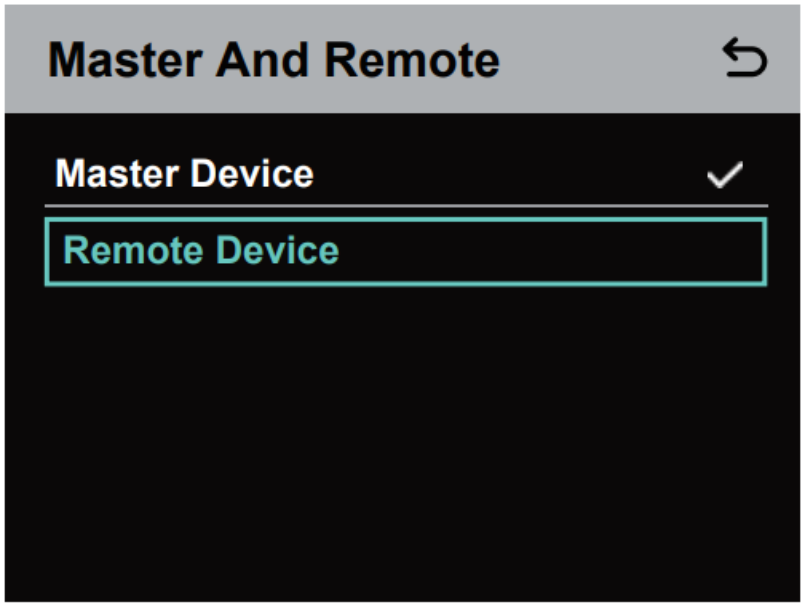


   1.2 Select Wired Network Setting to turn DHCP ON or OFF. If it is turned OFF, you can also modify the IP address, subnet mask, and gateway as well as view the user name and password for logging in to the web.



2. Select M & R to set the hub as the master device or remote device.

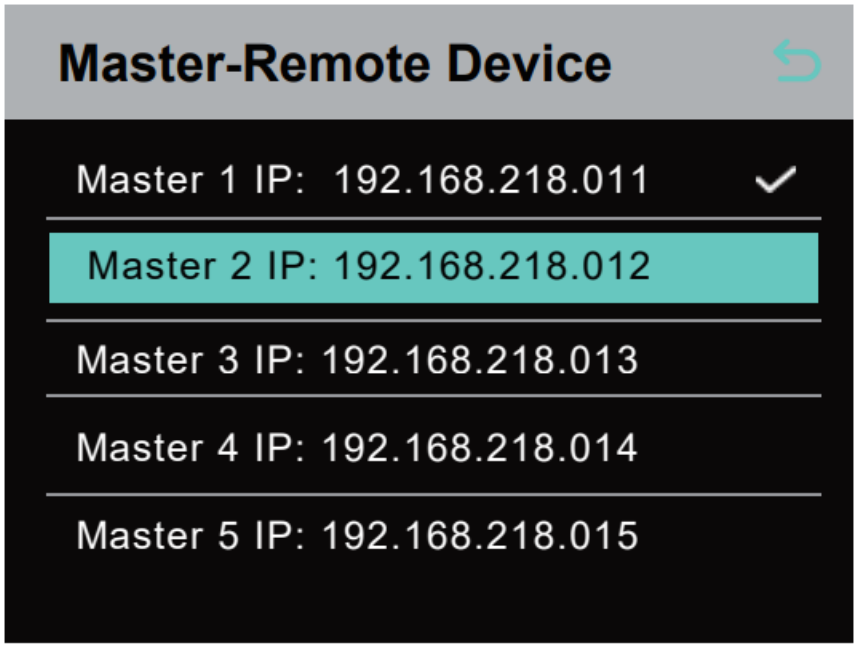
2.1 Select Master Device to set the hub as the master device.



2.2 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.

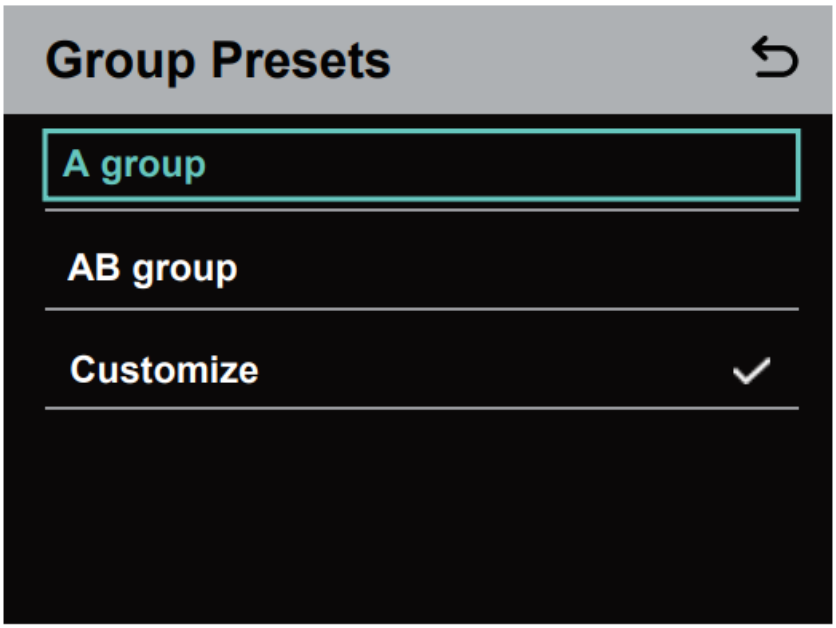
• When a single hub is used, the hub needs to be set as the master device.

• 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.

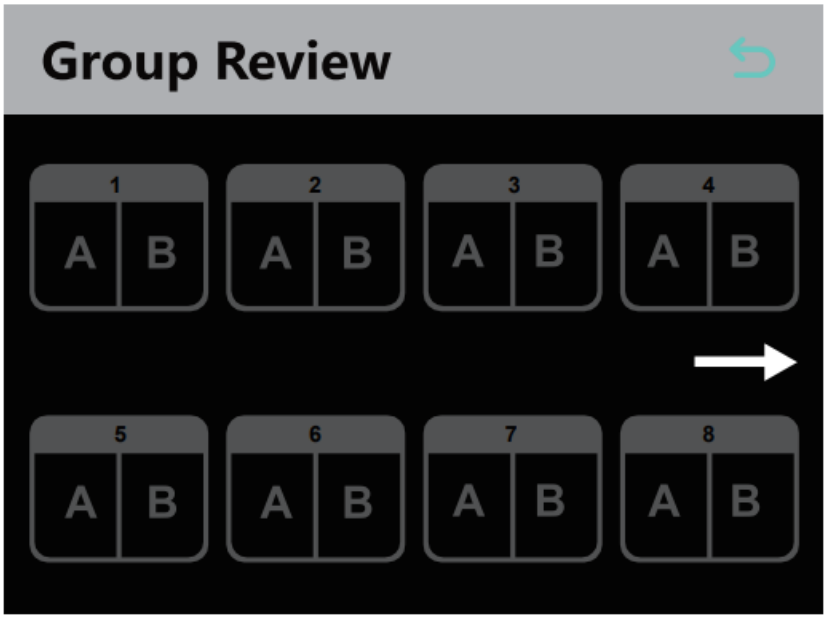


3. Select Group to perform group settings and view group status.

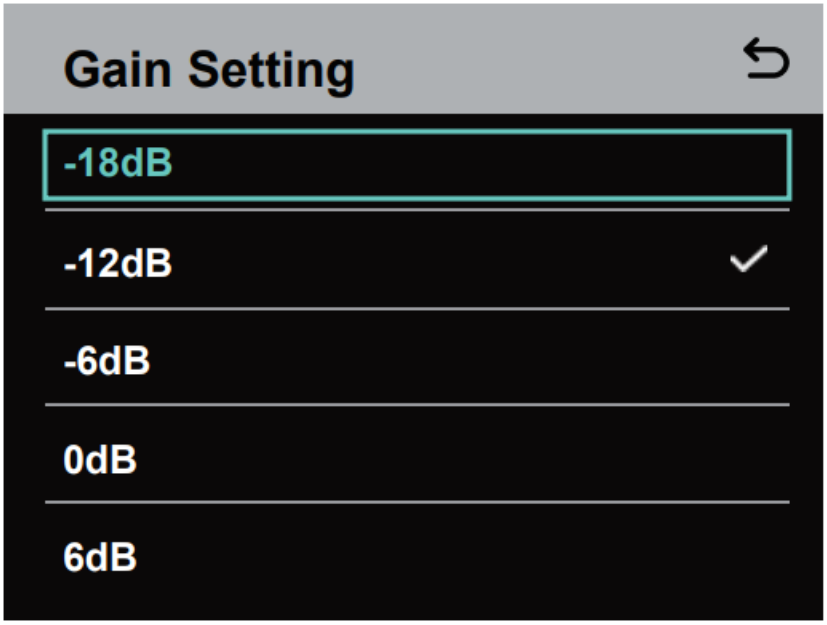
   3.1 There are three options: A group (All devices are in group A), AB group (All devices are in groups A and B), and Customize (The group settings can be customized on the web. All devices are in group A by default).



   3.2 Select Group Review to view group settings.

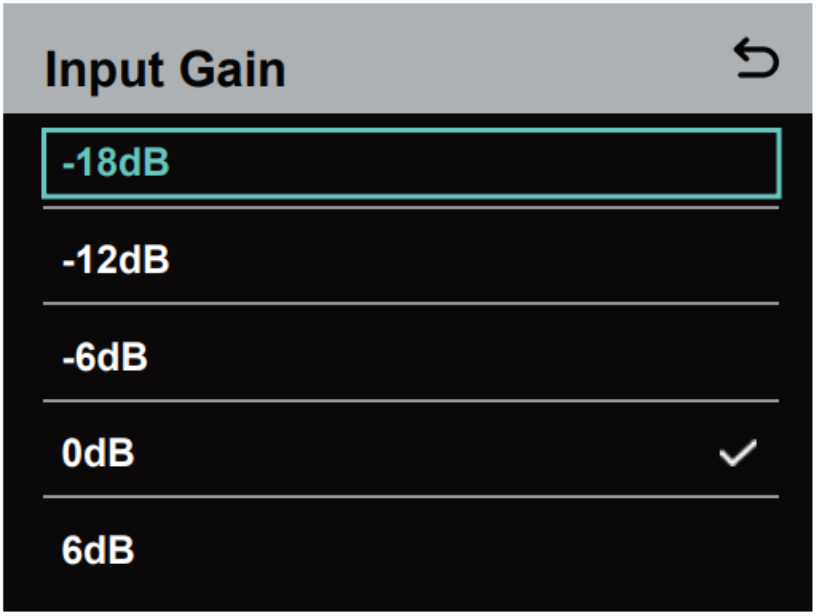


4. Select PGM to set the PGM audio gain according to the input volume.

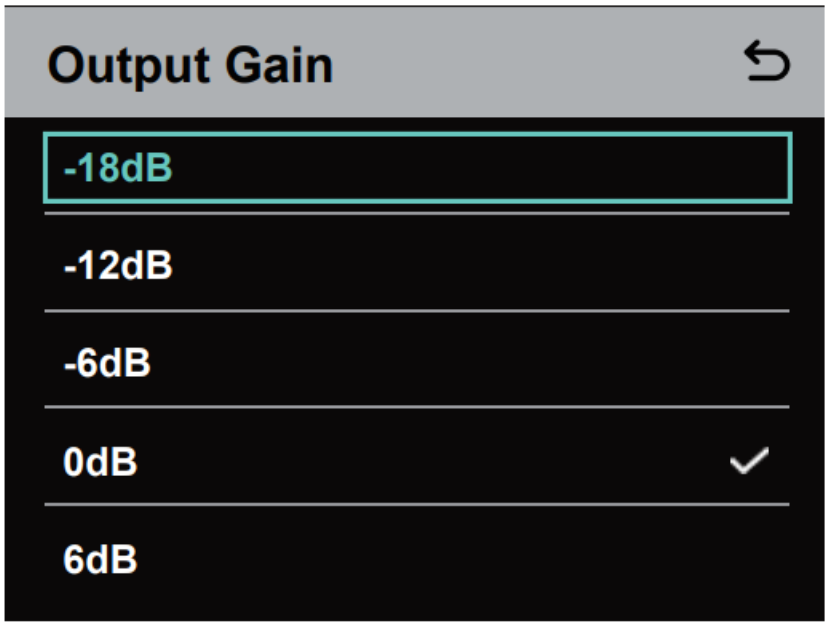


5. Select 4 Wire to perform 4-wire audio settings.

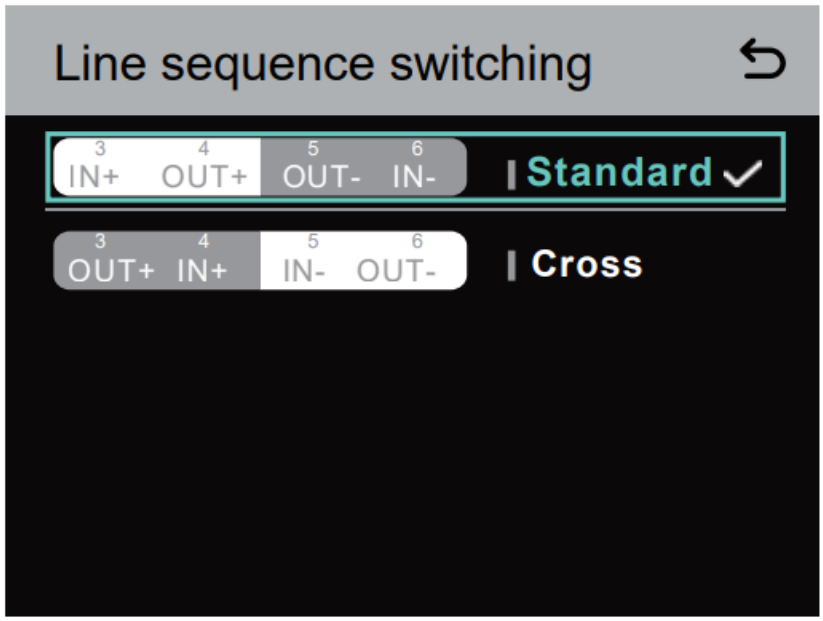
   5.1 Select Input Gain to set the input gain according to the input volume.



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



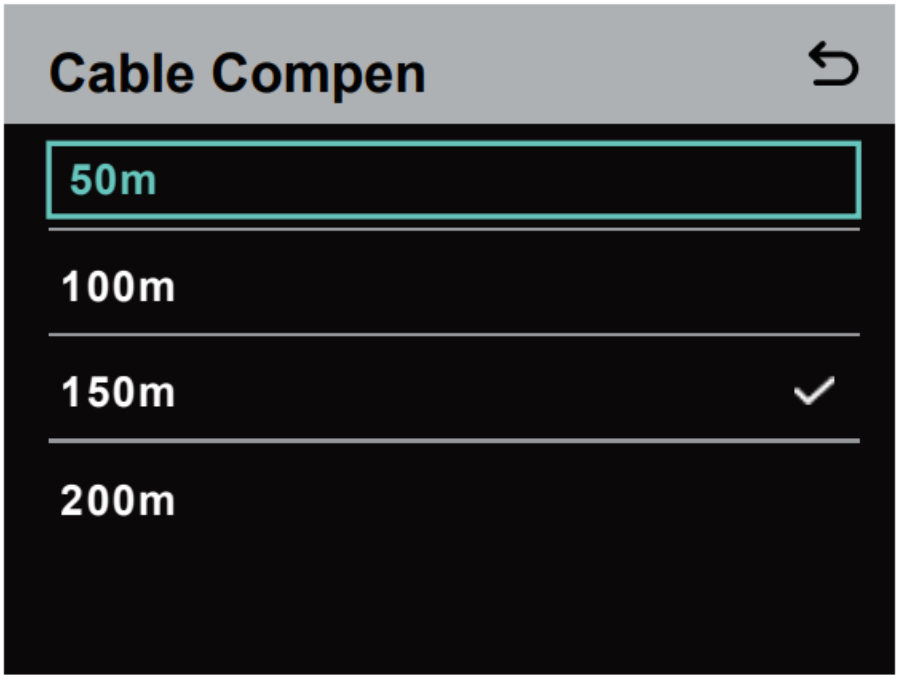
5.3 Select Line Sequence Switching to switch between Standard and Cross modes.



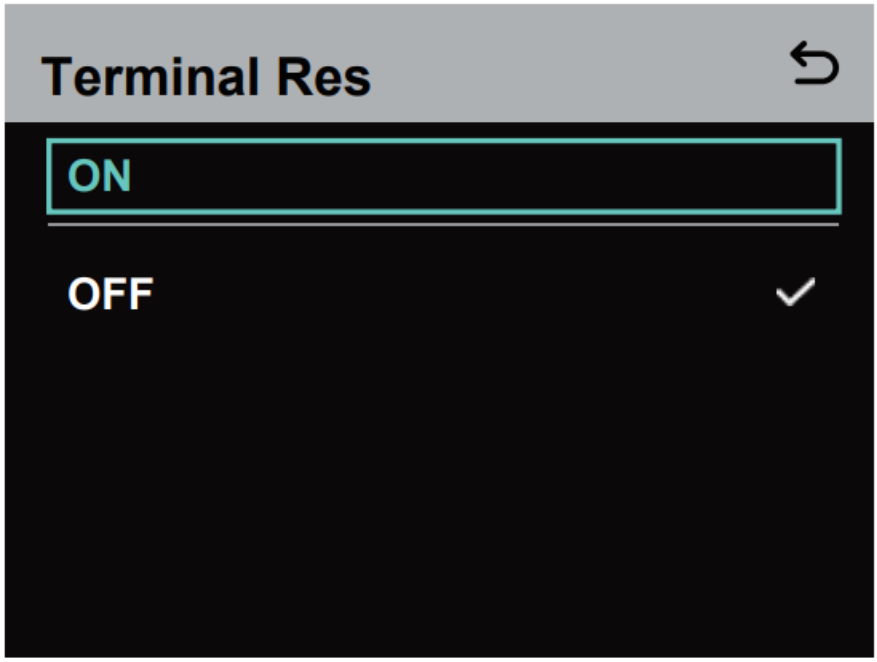
6. Select 2 Wire to perform 2-wire audio settings.

   6.1 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.

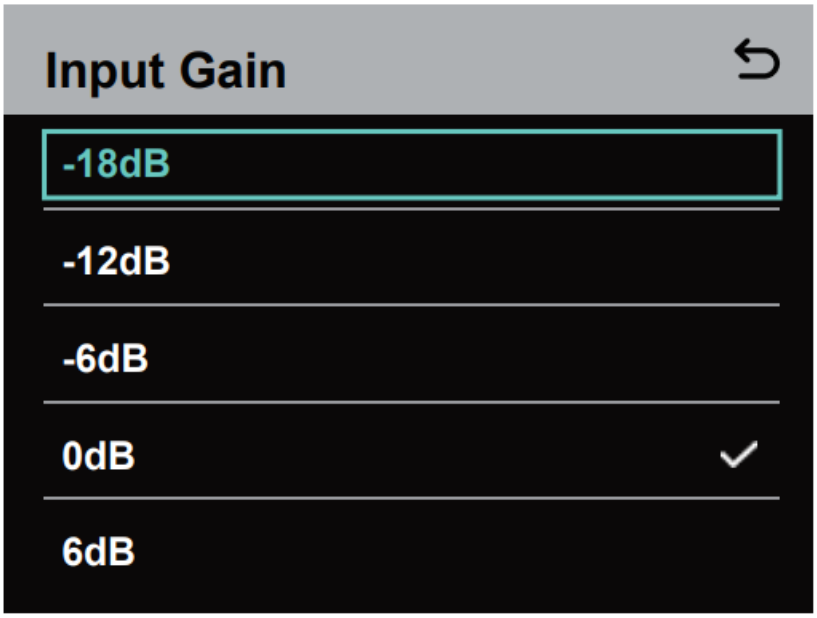
   6.2 Select Cable Compen to check the 2-wire cable length and select the corresponding compensation option according to the cable length.



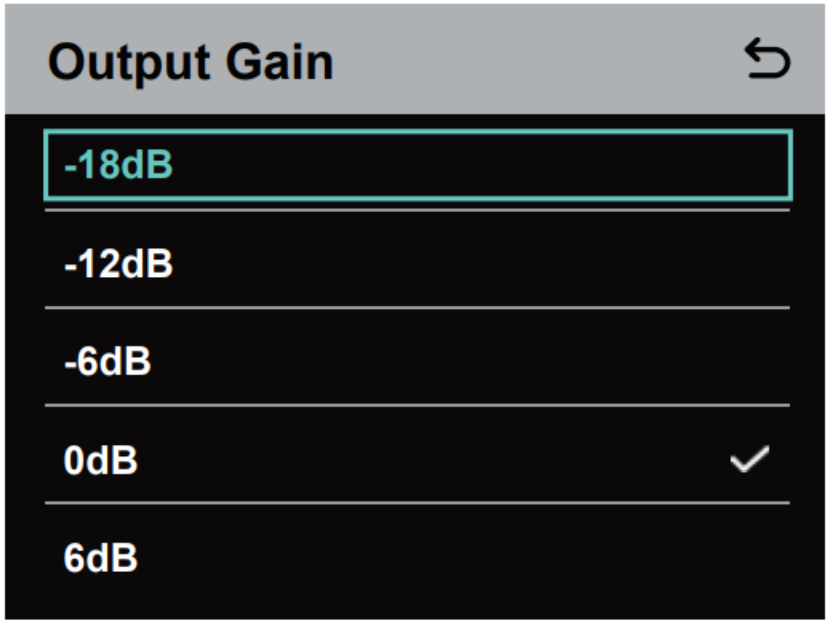
6.3 Select Terminal Res to check whether the 2-wire device connected via the 2-wire interface has terminal resistance. If it has, select OFF. Otherwise, select ON.



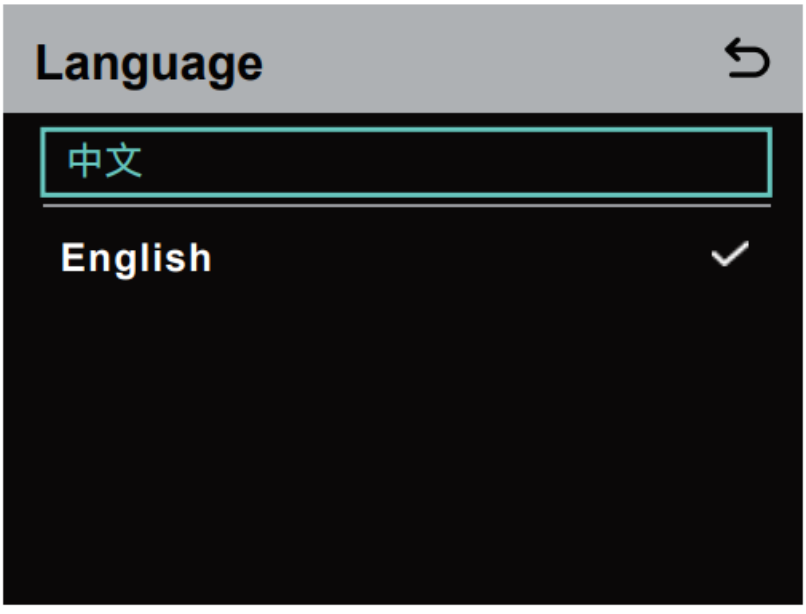
6.4 Select Input Gain to set the input gain according to the input volume.



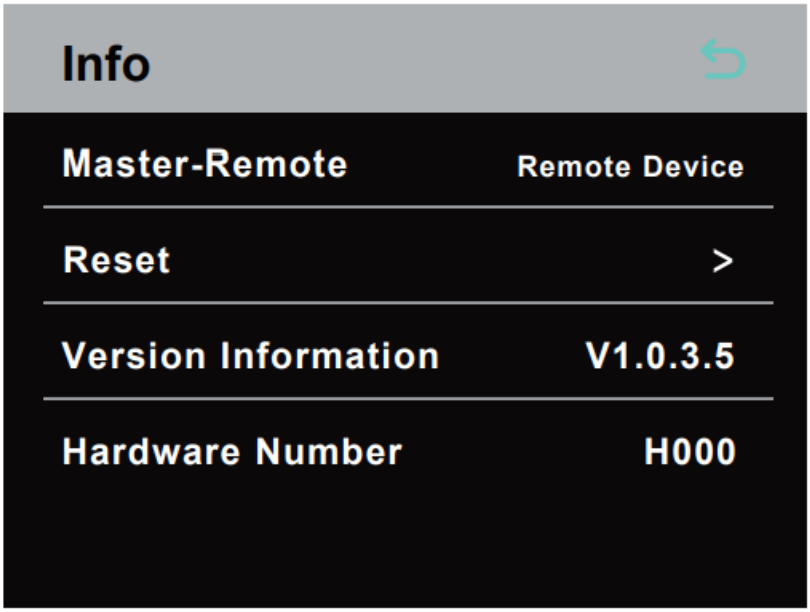
6.5 Select Output Gain to set the output gain according to the input volume.



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



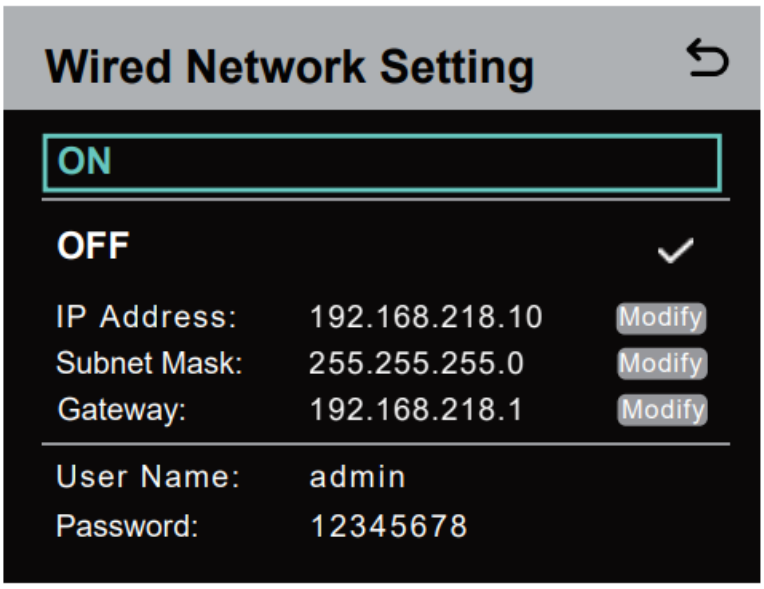
8. Select Info to check related information about the hub.



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

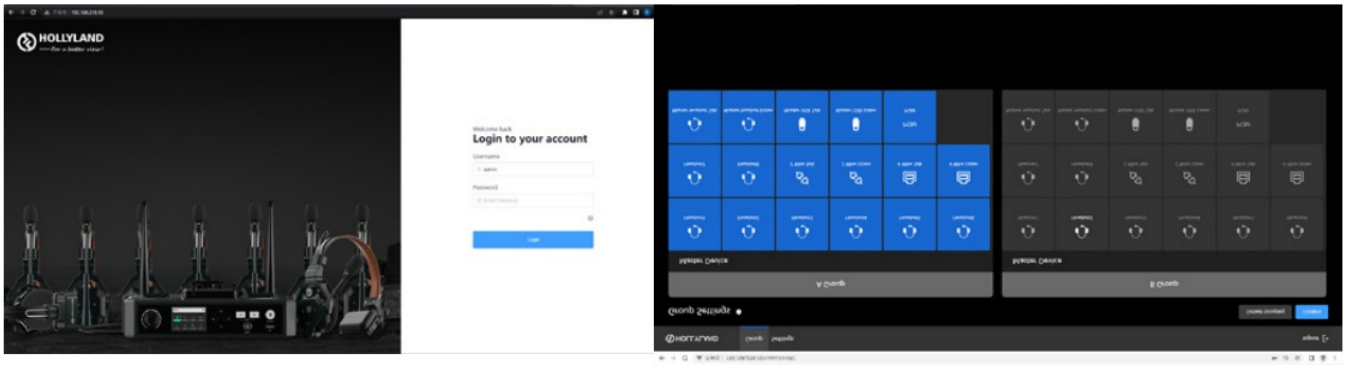
Performing Group Settings via a Computer

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

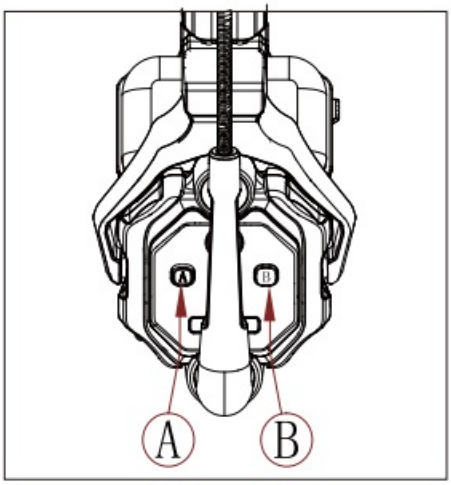


- Use a network cable to connect the hub to a computer via the RJ45 interface and set the IP address of the computer as 192.168.218.XXX. The default IP address of the hub is 192.168.218.10.

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



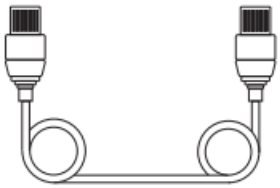
Group A & B Buttons on Headsets
After group settings are performed on the hub, the A or B button on a connected headset will light ON. The button light status indicates which group the headset has joined. To join or exit group A or B, simply press the A or B button on the headset.



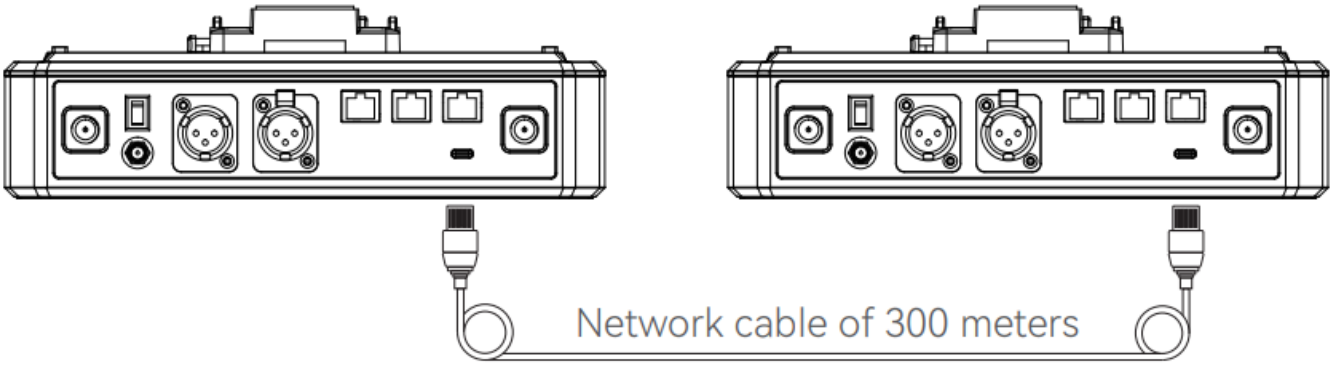
A & B Button Light Status	Description
ON in orange	The headset user is in the corresponding group. In this case, the headset user can hear a nd talk with the other headset users in the group.
OFF	The headset user is not in the corresponding group. In this case, the headset user cannot hear or talk with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

Operation Guide

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

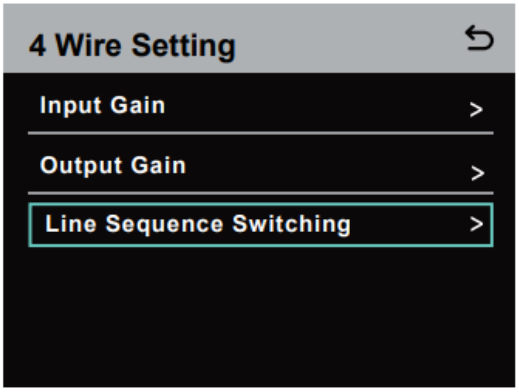
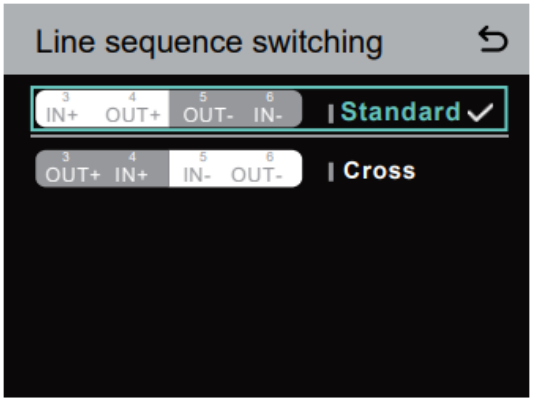
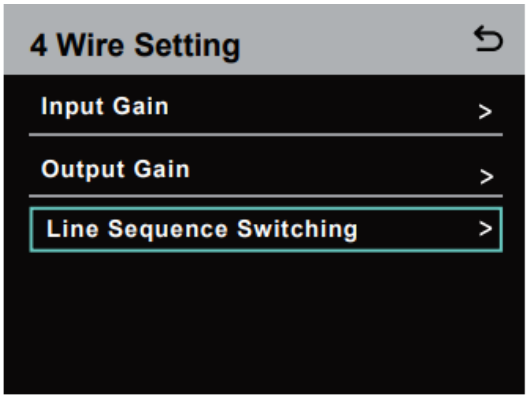
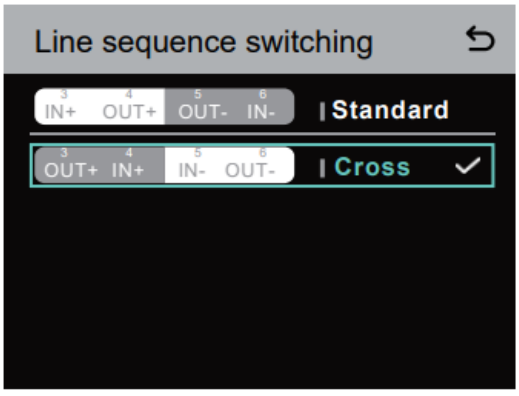
Two-System Cascaded Connection via the 4-Wire Interface
Use a standard network cable to connect two hubs via the 4-wire interface. The length of the network cable is up to 300 meters.



4-Wire Settings

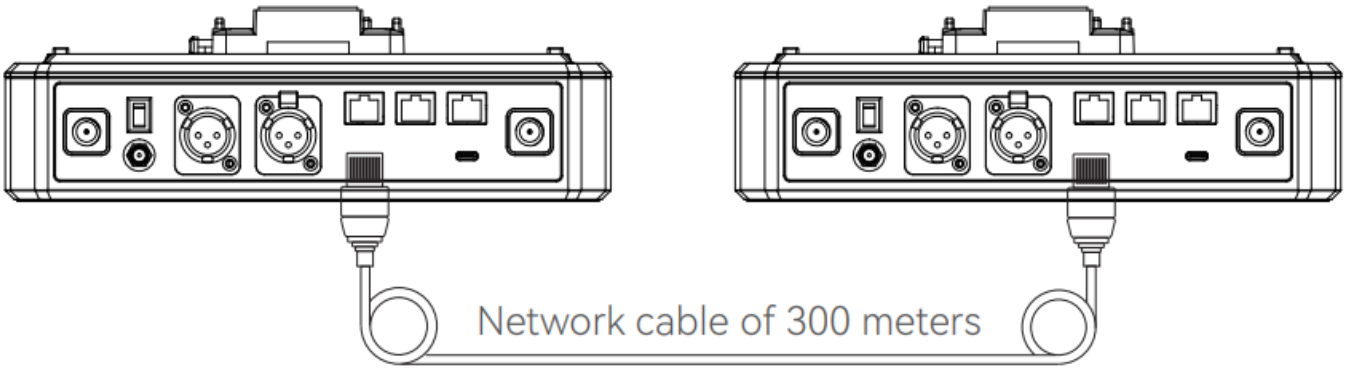
After connecting two hubs using a network cable, select 4 Wire > Line Sequence Switching on the hubs, and then select Standard on one hub and Cross on the other hub.

Hub Display

Hub ①	Select 4 Wire > Line Sequence Switching.	Select Standard.
4-Wire Settings		
Hub ②	Select 4 Wire > Line Sequence Switching.	Select Cross.
4-Wire Settings		

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.

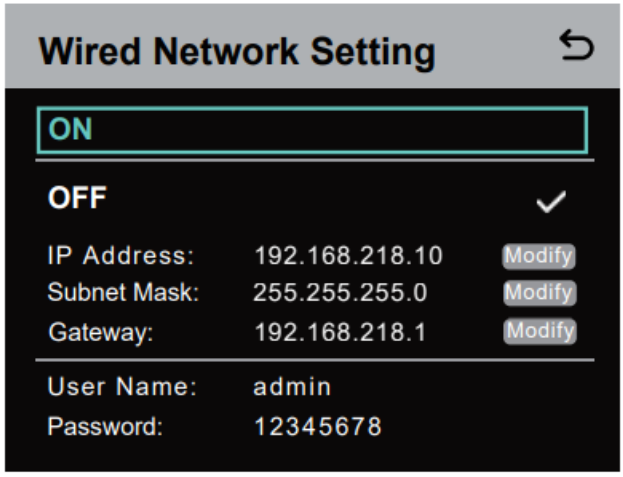
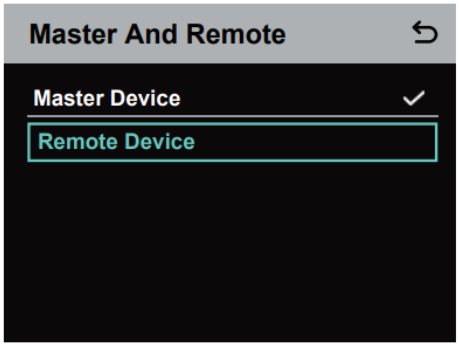
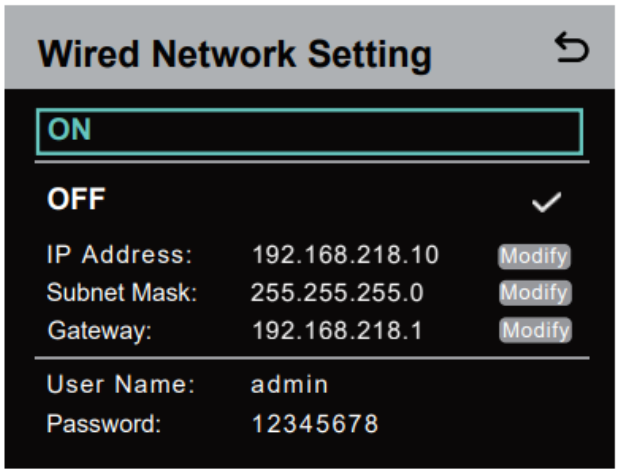
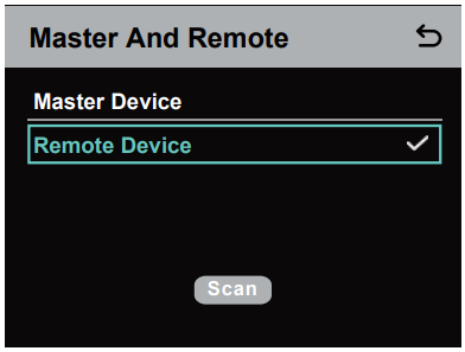
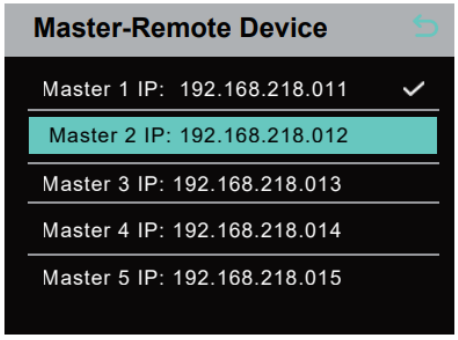


M & R Mode Settings

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.

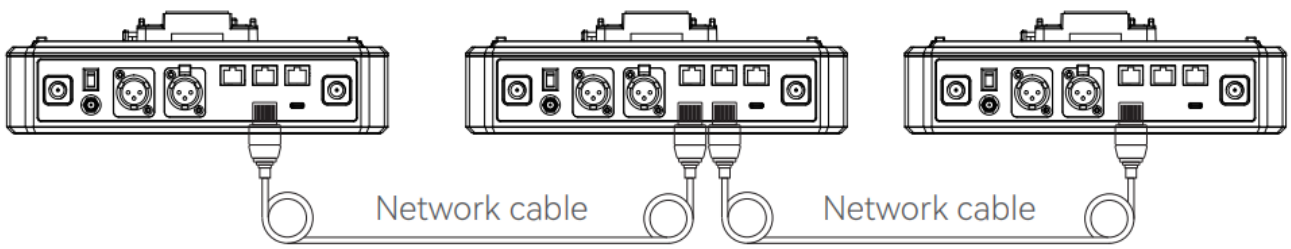
Note that the function of obtaining the IP address automatically under Network > Wired Network Setting needs to be turned OFF on both two hubs.

Hub Display

<table>
<tr><td>Hub ①</td><td>Select Network > Wired Network Setting > OFF.</td><td>Select M & R > Master Device.</td></tr>
<tr><td>Network Settings</td><td> 
</td><td> 
</td></tr>
<tr><td>Hub ②</td><td>Select Network > Wired Network Setting > OFF.</td><td>Select M & R > Remote Device > Scan .</td></tr>
<tr><td>Network Settings</td><td> 
</td><td> 
</td></tr>
<tr><td></td><td>After Scan 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.</td><td> 
</td></tr>
</table>

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, 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	≤ 21dBnn (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) -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℃ 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

HollylandTech

HollylandTech

HollylandTech

support@hollyland.com

www.hollyland.com

Statement

Trademark Statement

Note:

Due to product version upgrades or other reasons, this User Manual will be updated from time to time. Unless otherwise agreed, this document is provided as a guide for use only. All representations, information, and recommendations in this document do not constitute warranties of any kind, express, or implied.

HOLLYLAND

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MADE IN CHINA

Documents / Resources

	HOLLYLAND C1 Solidcom Pro Hub [pdf] User Manual C1 Solidcom Pro Hub, C1, Solidcom Pro Hub, Pro Hub, Hub

References

- Hollyland - Wireless Video Transmitter, Intercom, Microphone
- User Manual