



Solidcom M1

User Manual

V2.0

Single-Ear Headset-4B / Single-Ear Headset-8B

HOLLYVIEW

Powered by Hollyland

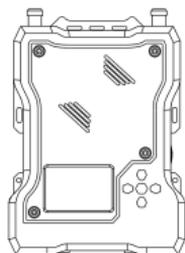
Introduction

Thank you for purchasing the Hollyland Solidcom M1 full-duplex wireless intercom system. Please read this User Manual carefully before using the product.

Key Features

- Carrier-grade voice quality with a 1,300ft (400m) line-of-sight (LOS) range
- 1.9GHz frequency band, meeting the frequency configuration requirements in different countries or regions
- Automatic switch between the external omnidirectional fiberglass antennas and the built-in panel antennas
- Full-duplex wireless communication
- Up to eight beltpack users talking with each other simply with one base station & configuration and upgrade supported through the base station, app, and web server
- Three-group communication capability between beltpack users
- Cascade between multiple base stations & connection between the base station and 2- and 4-wire audio systems
- Power supply to the base station using POE or NP-F batteries
- Built-in replaceable lithium polymer battery for the beltpack, with an operating time of up to 6 hours
- Portable charging base for uninterrupted on-the-go communication
- 10 levels of volume control, meeting different application requirements

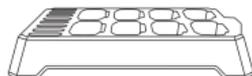
Packing List



①



②



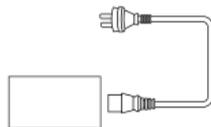
③



④



⑤



⑥



⑦



⑧



⑨



⑩



⑪



⑫

Packing List

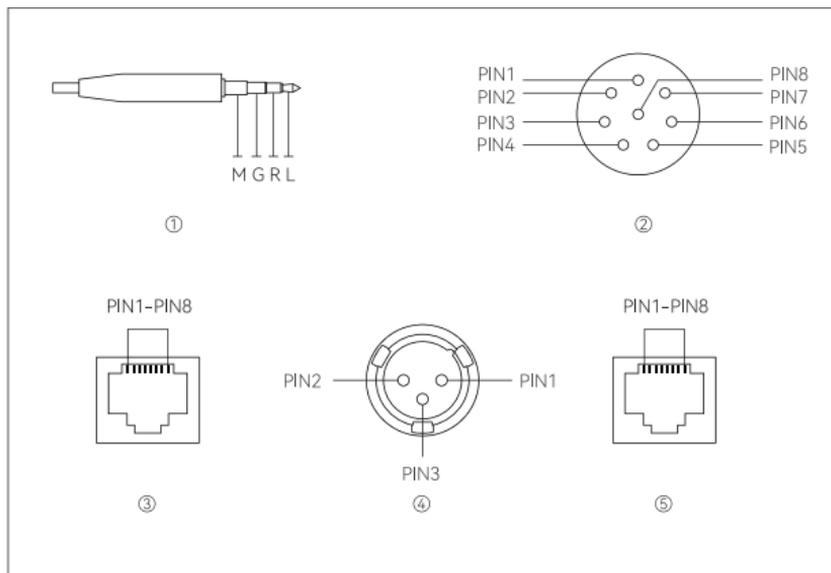
8-Beltack Package

① Base Station	x1
② Beltack	x8
③ Charging Base	x1
④ High-Gain Omnidirectional Antenna	x2
⑤ 0B8 Single-Ear Headset	x8
⑥ POE Adapter	x1
⑦ RJ45 to XLR Cable (5 Meters)	x1
⑧ USB-A to USB-C Cable	x1
⑨ 4-Pin XLR Adapter	x1
⑩ Beltack Battery	x16
⑪ 3/8 Mounting Screw	x1
⑫ User Manual	x1

4-Beltack Package

① Base Station	x1
② Beltack	x4
③ Charging Base	x1
④ High-Gain Omnidirectional Antenna	x2
⑤ 0B8 Single-Ear Headset	x4
⑥ POE Adapter	x1
⑦ RJ45 to XLR Cable (5 Meters)	x1
⑧ USB-A to USB-C Cable	x1
⑨ 4-Pin XLR Adapter	x1
⑩ Beltack Battery	x8
⑪ 3/8 Mounting Screw	x1
⑫ User Manual	x1

Note: The quantity of the above items varies by product configuration.



① 3.5mm Headset Plug

Connection: M G R L

Microphone impedance: 600Ω

Speaker impedance: 32Ω

② 0B8 Headset Jack

PIN1: GND

PIN2: GND

PIN3: SPK-

PIN4: SPK+

PIN5: MIC +

PIN6: MIC -

PIN7: NULL

PIN8: LED

③ 4-Wire Interface

Input impedance: 10k Ω

PIN1: NULL

PIN2: NULL

PIN3: AUDIO OUT+

PIN4: AUDIO IN+

PIN5: AUDIO IN-

PIN6: AUDIO OUT-

PIN7: GND

PIN8: GND

④ 2-Wire Interface

PIN1: GND

PIN2: POWER

PIN3: AUDIO

⑤ POE/PWR Interface

PIN1: -POWER

PIN2: -POWER

PIN3: +POWER

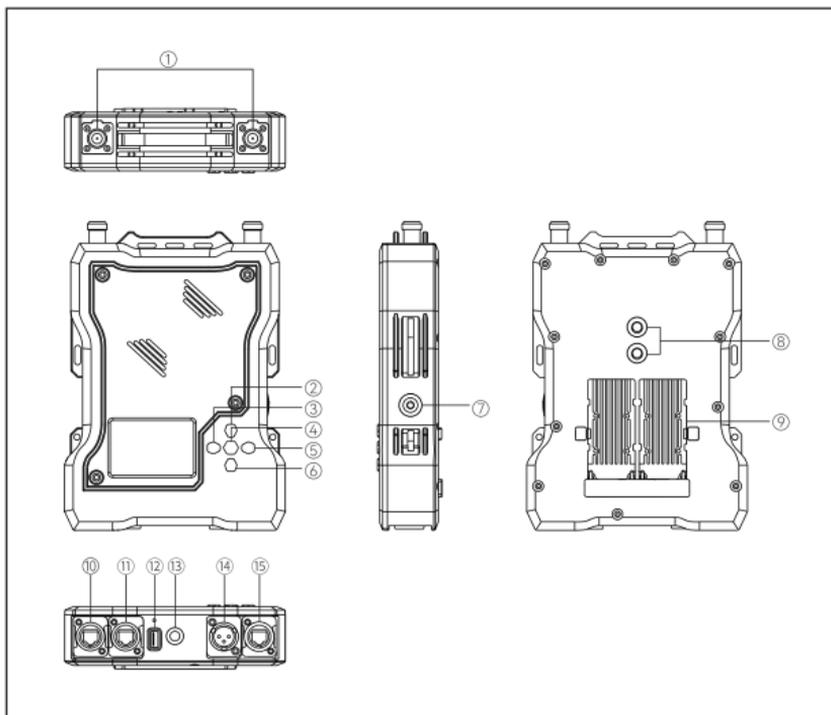
PIN4: +POWER

PIN5: +POWER

PIN6: +POWER

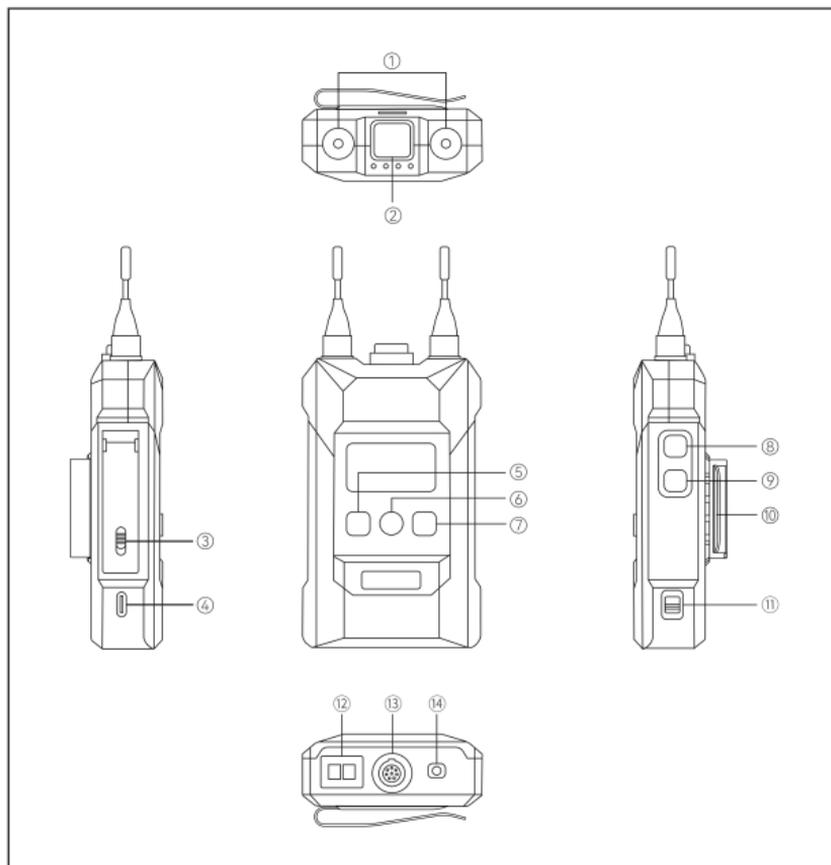
PIN7: -POWER

PIN8: -POWER



Base Station

- ① Antenna Interface
- ② Up Button
- ③ Left Button
- ④ Menu/Confirmation Button
(Press and hold the button to enter the menu interface/Press the button for confirmation.)
- ⑤ Right Button
- ⑥ Down Button
- ⑦ Power Button
- ⑧ 3/8 Screw Hole
- ⑨ NP-F Battery Slot
- ⑩ Power Supply Interface
- ⑪ 4-Wire Audio Input & Output Interface (RJ45)
- ⑫ USB Interface
- ⑬ 3/8 Screw Hole
- ⑭ 2-Wire Audio Input & Output Interface
- ⑮ POE/LAN Interface



Beltpack

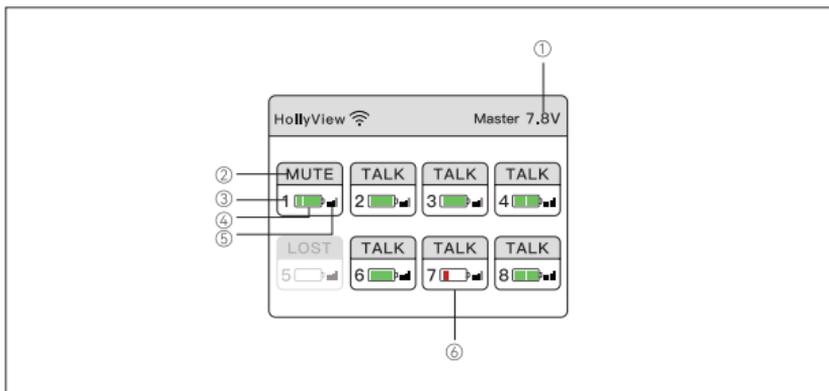
- ① Antenna Interface
- ② TALK Button (Press the button to talk/Release the button to enter the mute mode)
- ③ Battery Compartment Switch
- ④ USB-C Interface
- ⑤ Left/Group A Button

(The beltpack user is not grouped when the indicator light is off; the beltpack user is in group A but cannot talk with or hear other beltpack users in the group when the indicator light is white; the beltpack user is in group A and can talk with and hear other beltpack users in the group when the indicator light is orange.)
- ⑥ Confirmation/Group B Button

(The beltpack user is not grouped when the indicator light is off; the beltpack user is in group B but cannot talk with or hear other beltpack users in the group when the indicator light is white; the beltpack user is in group B and can talk with and hear other beltpack users in the group when the indicator light is orange.)
- ⑦ Right/Group C Button

(The beltpack user is not grouped when the indicator light is off; the beltpack user is in group C but cannot talk with or hear other beltpack users in the group when the indicator light is white; the beltpack user is in group C and can talk with and hear other beltpack users in the group when the indicator light is orange.)
- ⑧ Volume + Button
- ⑨ Volume - Button
- ⑩ Back Clip
- ⑪ Power Switch
- ⑫ Charging Contacts
- ⑬ 0B8 Headset Interface
- ⑭ 3.5mm Headset Jack

Display Description



Base Station Display Description

① Base Station Battery Voltage

② Beltpack Status

TALK: The beltpack user can talk with and hear other beltpack users.

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

LOST: The beltpack user is disconnected from the base station.

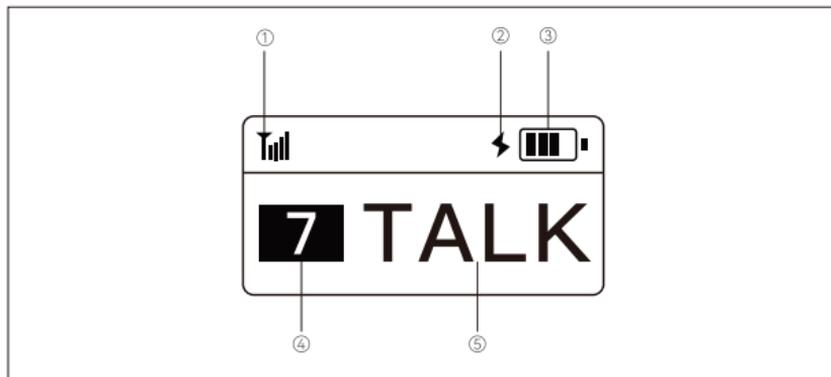
LINK: The beltpack user is connecting to the base station.

③ Beltpack Number

④ Beltpack Battery Level

⑤ Beltpack Signal Strength

⑥ Beltpack Low Battery Display



Beltpack Display Description

- ① Beltpack Signal Strength
- ② Beltpack in Charging Mode
- ③ Beltpack Battery Level
- ④ Beltpack Number
- ⑤ Beltpack Status

TALK: The beltpack user can talk with and hear other beltpack users.

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

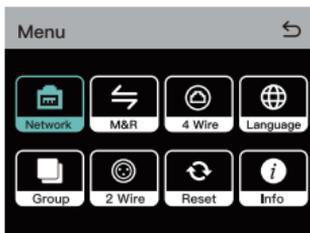
LOST: The beltpack user is disconnected from the base station.

LINK: The beltpack user is connecting to the base station.

Operation Instructions

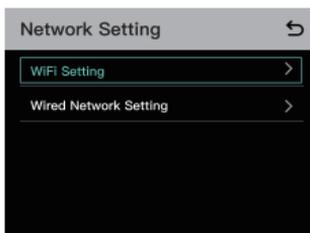
Base Station

Press and hold the menu/confirmation button on the base station for about 3 seconds to enter the menu interface.

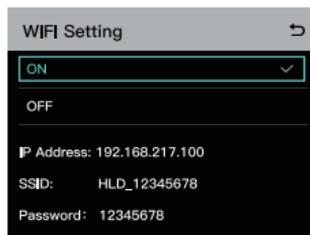


The menu functions are as follows:

1. Select Network Setting to access Wi-Fi settings and wired network settings.

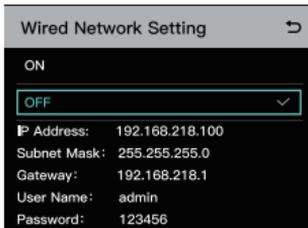


- 1.1 Select Wifi Setting to turn Wi-Fi on or off. After it is turned on, the IP address, SSID, and password are displayed.

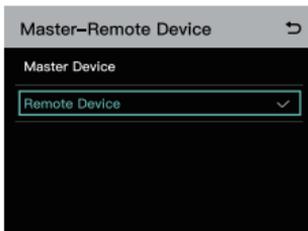


Operation Instructions

- 1.2 Select Wired Network Setting to turn DHCP on or off. You can also view the username and password for logging in to the web page.



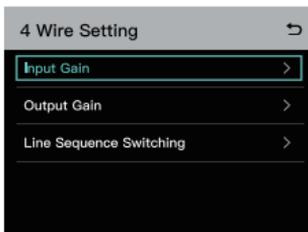
2. Select Master-Remote Device to set the base station as the master device or remote device.



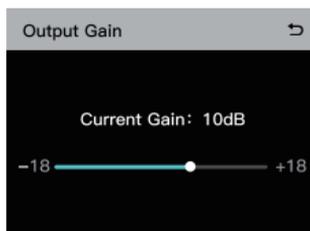
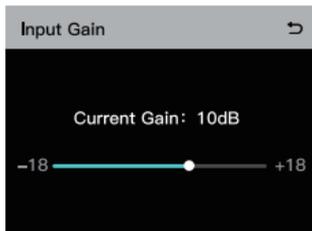
- 2.1 When a single base station is used, the base station needs to be set as the master device. When two or more base stations are used, one base station needs to be set as the master device and the other base station as the remote device.
- 2.2 For the base station set as the master device, the beltpack numbers will automatically change to 1-8; for the base station set as the remote device, the beltpack numbers will automatically change to 9-16.
- 2.3 This function can only be used when two base stations are cascaded via the network interface. When a single base station is used, it needs to be set as the master device.

Operation Instructions

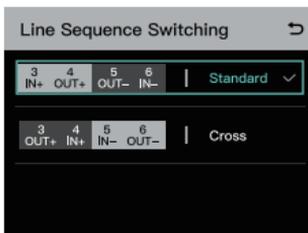
3. Select 4 Wire Setting to perform 4-wire audio settings.



3.1 Select Input Gain and Output Gain to set the input gain and output gain for the 4-wire audio system, respectively.

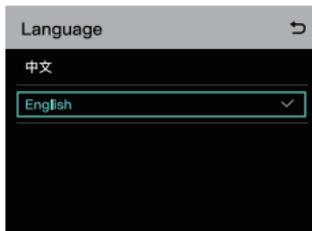


3.2 Select Line Sequence Switching to switch between Standard and Cross modes.



Operation Instructions

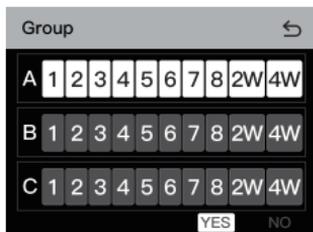
4. Select Language to switch the device language between Chinese and English.



5. Select Group Presets to perform group settings.

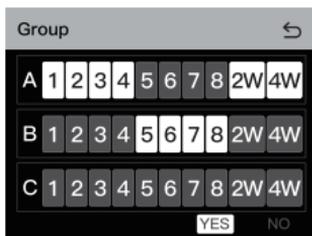


- 5.1 One group: All the beltpacks and the 2-wire and 4-wire audio systems are in group A. In this case, the group A indicator light on the beltpacks will turn on.



Operation Instructions

5.2 Two groups: The beltpacks numbering 1 to 4 and the 2-wire and 4-wire audio systems are in group A, and the beltpacks numbering 5 to 8 are in group B. In this case, the corresponding group indicator light on the beltpacks will turn on.



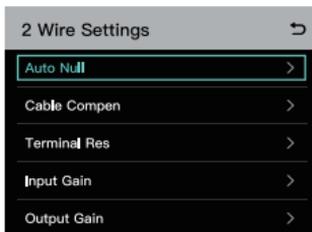
5.3 Customized grouping: You can assign the beltpacks and the 2-wire and 4-wire audio systems to different groups using the direction and confirmation buttons. In this case, the corresponding group indicator light on the beltpacks will turn on.



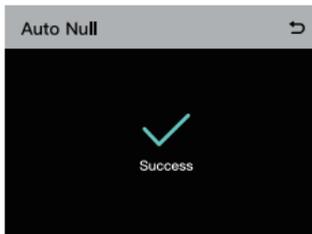
5.4 Default grouping: All the beltpacks and the 2-wire and 4-wire audio systems are in group A. In this case, the group A indicator light on the beltpacks will turn on.

Operation Instructions

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



- 6.1 Connect the base station to the 2-wire device and set the corresponding cable compensation and terminal resistance on the base station. 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 you select Auto Null and press the confirmation button, auto-null settings for the 2-wire device will be performed automatically on the base station.



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

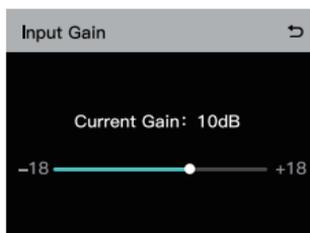


Operation Instructions

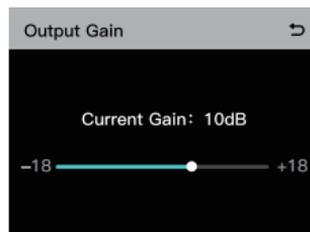
6.3 Select Terminal Res to check whether the 2-wire device connected via the 2-wire interface has terminal resistance. If it has, select OFF. Otherwise, select ON.



6.4 Select Input Gain to set the input gain.



6.5 Select Output Gain to set the output gain.



Operation Instructions

7. Select Reset to reset the base station configuration information to the default settings.



8. Select Info to check related information about the base station.

A screenshot of a mobile application screen titled "Info". It displays a list of configuration items with their current values:

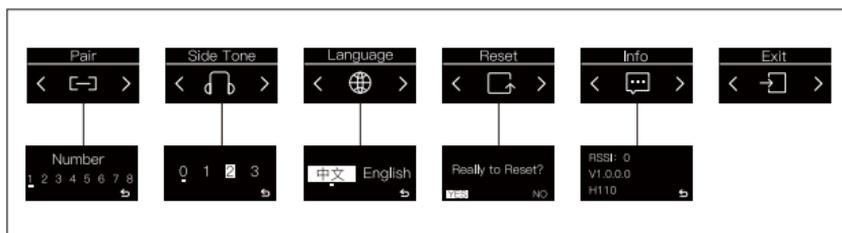
Version Info	V1.0.0.1 H002
Master & Remote	Master
Auto Null	Failure
Cable Compensation	50m
Terminal Resistance	OFF

A screenshot of a mobile application screen titled "Info". It displays a list of gain settings:

2-Wire Input Gain	0dB
2-Wire Output Gain	0dB
4-Wire Input Gain	0dB
4-Wire Output Gain	0dB

Note: If there is any difference between the actual functions and the functions described above about the base station, please download the latest firmware from Hollyland official website to upgrade your device.

Operation Instructions



Beltpack Menu Description

Press and hold the volume up (+) and volume down (-) buttons simultaneously on the beltpack for three seconds to enter the main menu interface. The menu functions are as follows:

1. Connect the beltpack to the base station using a USB-A to USB-C cable, select **Pair**, and select an available number from 1 to 8 to confirm pairing. Then, the message "Pairing..." will be displayed on the display screen of the base station and the beltpack. Wait until the message "Pairing Successful" is displayed on the screens before unplugging the cable from the base station and the beltpack.
2. Select **Side Tone** to set the side tone output volume. The side tone function is disabled when it is set to level 0, and the side tone output volume increases progressively from levels 1 to 3.
3. Select **Language** to switch the device language between Chinese and English.
4. Select **Reset** to reset the beltpack configuration information to the default settings.
5. Select **Info** to view the beltpack configuration information.
6. Select **Exit** to return to the main menu interface.

■ Configuring the Base Station on the Web Server

Turn on the base station, connect the base station to a computer using a network cable via the POE or PWR interface on the base station and the network port on the computer, configure the same network segment for the computer and base station, open a browser on the computer, and enter the following addresses (Check the corresponding addresses through the network menu on the base station):

Master device: 192.168.218.10

Remote device: 192.168.218.11

You can log in to the web server (default password: **12345678**) to upgrade the base station, perform beltpack grouping, and set beltpack states.

■ Configuring the Base Station on the App

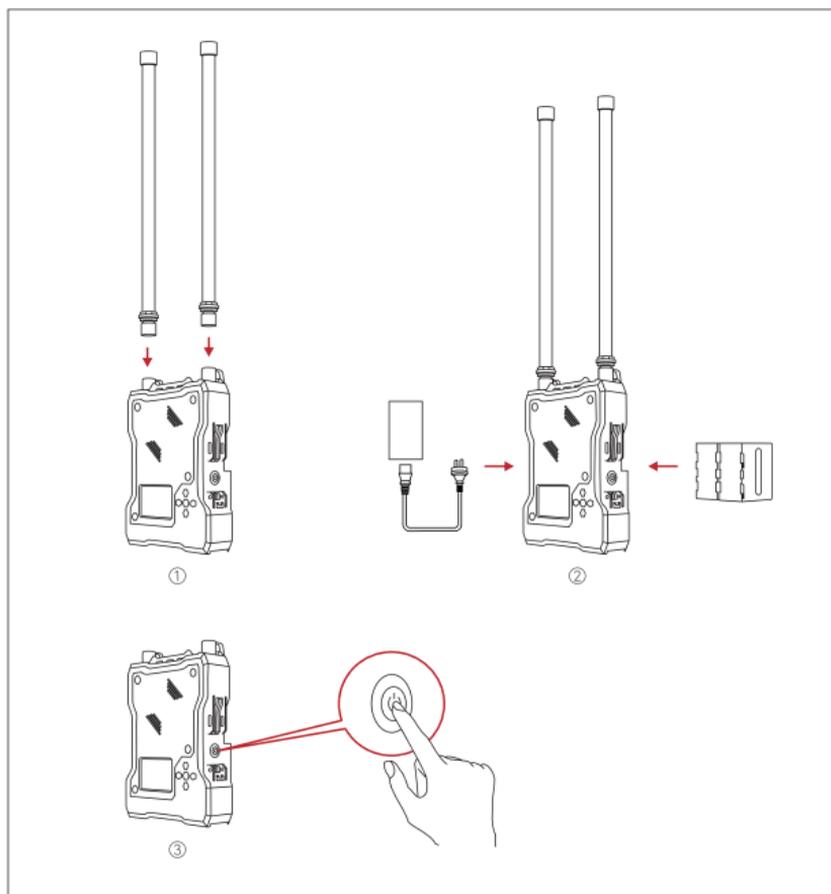
1. Download the Solidcom app.



2. Perform connection settings:

Turn on the Wi-Fi function on the base station, find the Wi-Fi network starting with "HLD" on a mobile phone, and then open the Solidcom app to connect to the Wi-Fi network. (You can turn on the Wi-Fi function and check the corresponding SSID and password on the base station.)

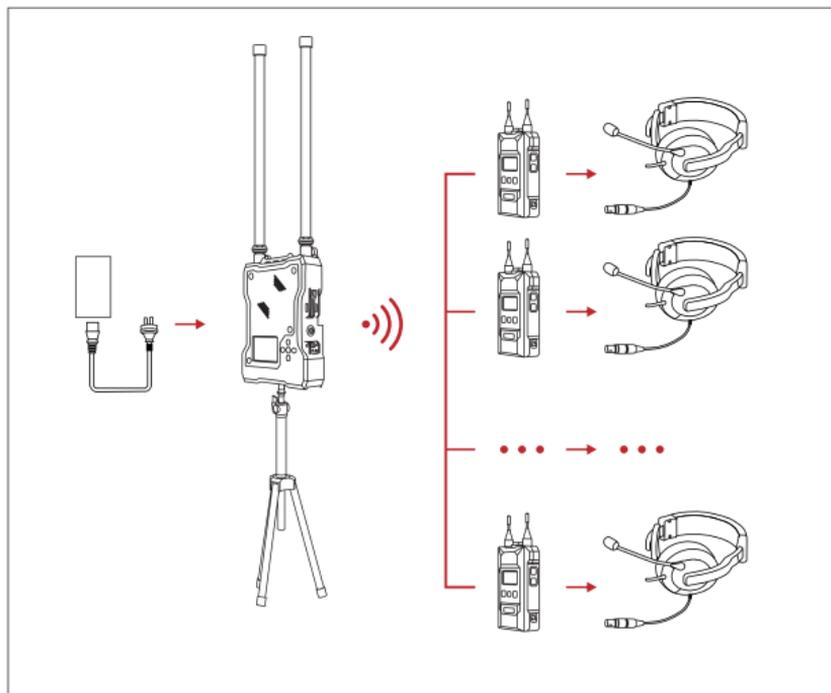
Product Installation



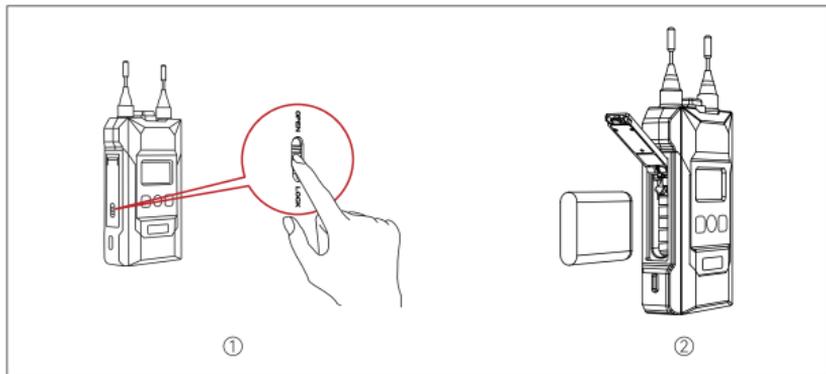
Base Station Installation

1. Install the antennas, as shown in the above diagram.
2. Connect the base station to the power adapter or install the NP-F batteries for the power supply.
3. Press the power button to turn on the base station.

Product Installation



Product Installation

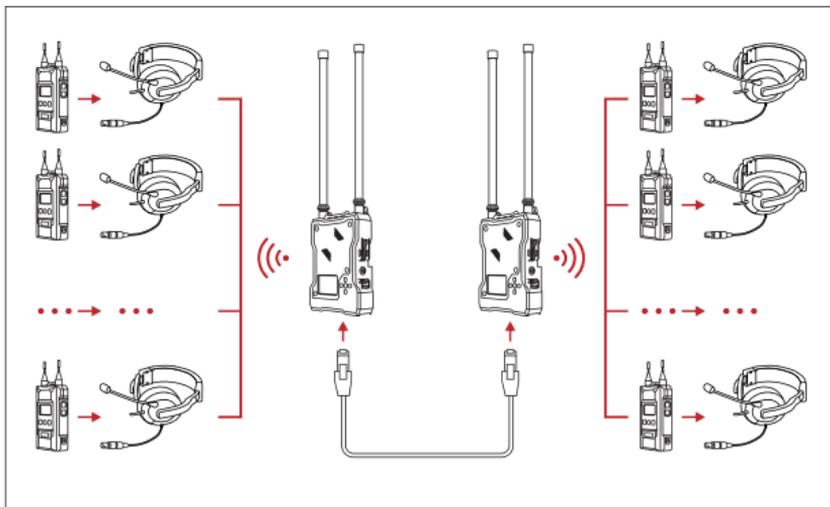


Beltpack Installation

1. Open the battery compartment and insert the battery, as shown in the above diagram.
2. Toggle the power switch to turn on the beltpack.
3. After the beltpack state changes from LOST to TALK, you are ready to talk. To enter the mute mode, press the **TALK** button on the top of the beltpack. In this case, you can hear other beltpack users but cannot talk with them. To talk with them, simply press the button again to turn off the mute function.
4. The beltpack supports two types of headphone interfaces: 3.5mm and 0B8. You can choose the interface based on your specific needs.
5. When other intercom systems are connected via the 4-wire or 2-wire interface, you can enter the base station menu to adjust the input and output gain for a balanced gain across the entire intercom system.
6. Because the battery will enter sleep mode after extended storage, you are advised to fully charge and discharge the beltpack for the first three times of use.

Repairing

The beltpack number may be lost due to misoperations or other reasons. In this case, you can connect the beltpack to the base station using a USB-A to USB-C cable, select **Pair** on the beltpack, and select an available number to confirm pairing. Then, the message "**Pairing...**" will be displayed on the display screen of the base station and the beltpack. Wait until the message "**Pairing Successful**" is displayed on the screens before unplugging the cable from the base station and the beltpack.



Two-System Cascade Connection

1. Using the network cable included in the accessories, you can cascade two base stations to expand the beltpack number to up to 16. When two base stations are cascaded, set one of the master devices as the remote device. When the master device is set as the remote device if used alone, communication among the beltpack users will be disabled. In this case, you need to set the device as the master device again.
2. The beltpack numbers of the remote device will automatically change to 9–16.
3. When the master device is powered using the POE adapter, the POE adapter needs to connect to the power supply interface of the base station. Then, connect the POE interface of the master device to the power supply interface of the remote device using the network cable to power up the remote device without the need for batteries. You can also use NP-F batteries for power supply.

Multiple-System Cascade Connection

Three Systems

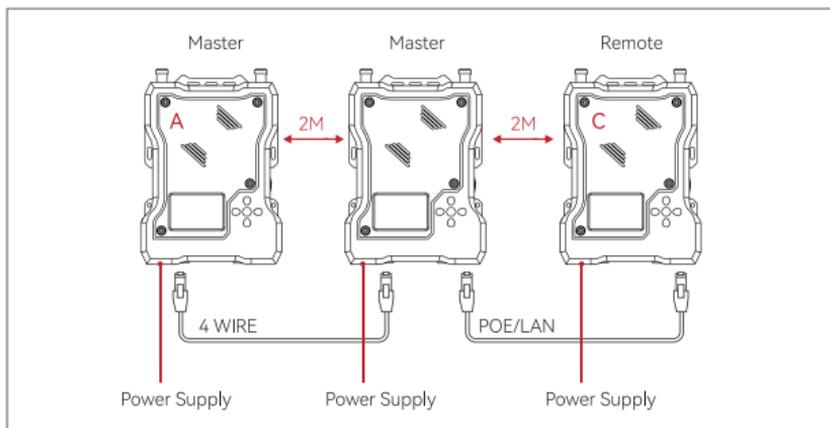


Figure 1

Note: Please keep a distance of at least 2 meters between each base station.

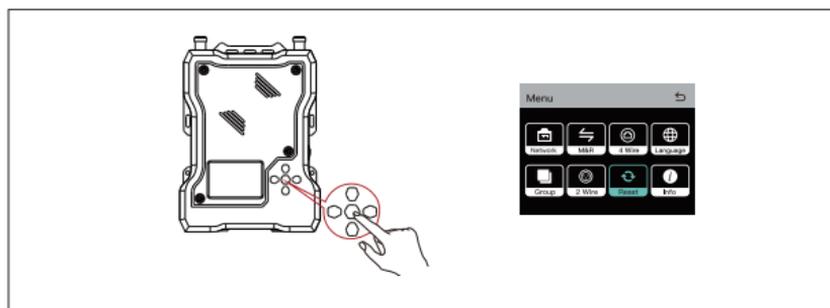


Figure 2

1. In a three-system cascade connection, press and hold the menu/confirmation button on the base stations to enter the menu interface and then select Reset. (See Figure 1)

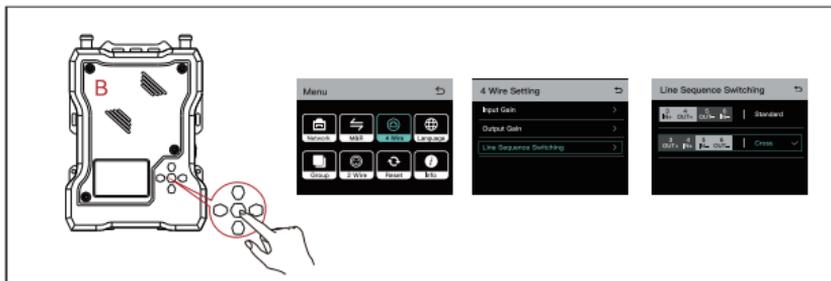


Figure 3

2. Connect the 4-wire interface of base station A and base station B using a network cable. (See Figure 1)
3. Enter the menu interface on base station B and select 4 Wire > Line Sequence Switching > Cross. (See Figure 3)

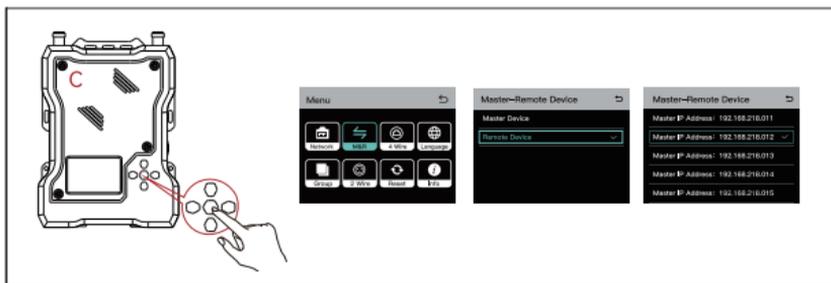


Figure 4

4. Connect the POE/LAN interface of base station B and base station C using a network cable. (See Figure 1)
5. Enter the menu interface on base station C, select M & R > Remote Device, press the menu/confirmation button, and select the IP address of the corresponding master device. (See Figure 4)

Product Installation

Multiple-System Cascade Connection

Four Systems

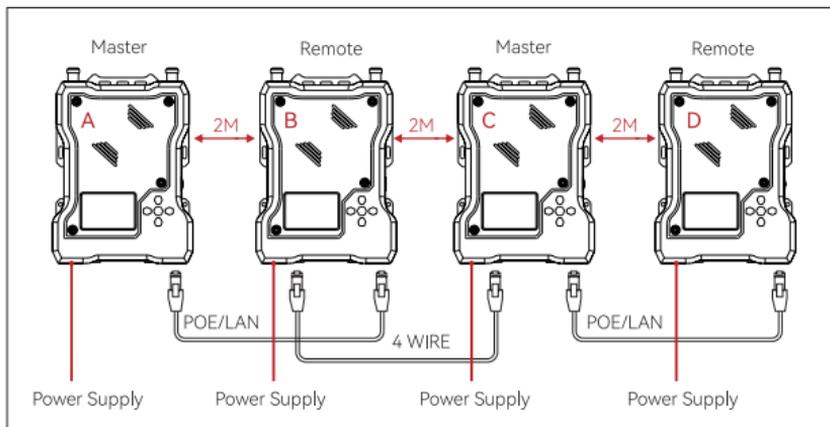


Figure 1

Note: Please keep a distance of at least 2 meters between each base station.

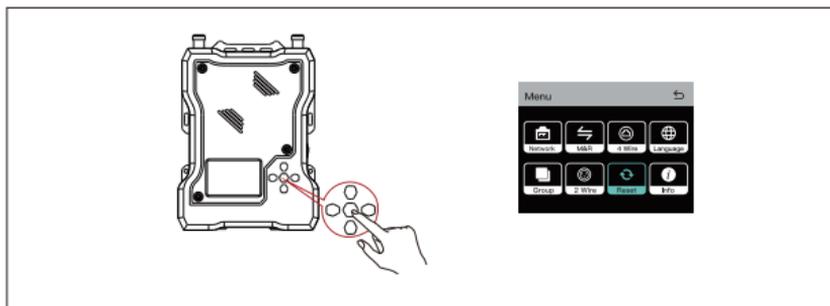


Figure 2

1. In a four-system cascade connection, press and hold the menu/confirmation button on the base stations to enter the menu interface and then select Reset. (See Figure 2)

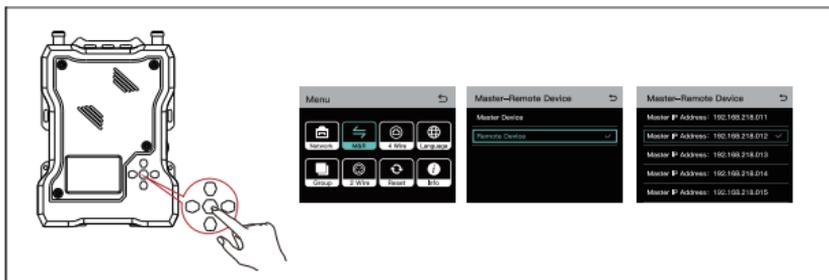


Figure 3

2. Connect the POE/LAN interface of base station A and base station B using a network cable. (See Figure 1)
3. Enter the menu interface on base station B, select M & R > Remote Device, press the menu/confirmation button, and select the IP address of the corresponding master device. (See Figure 3)

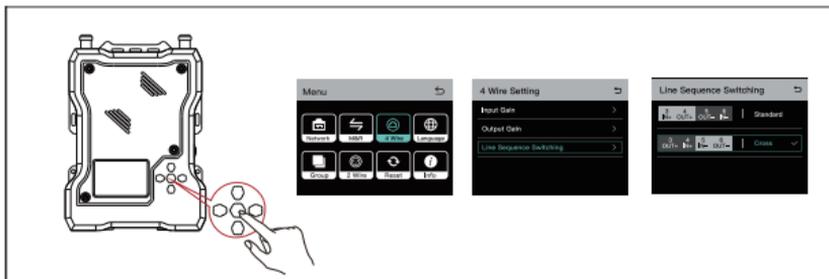


Figure 4

4. Connect the 4-wire interface of base station B and base station C using a network cable. (See Figure 1)
5. Enter the menu interface on base station C and select 4 Wire > Line Sequence Switching > Cross. (See Figure 4)

Product Installation

6. Connect the POE/LAN interface of base station C and base station D using a network cable. (See Figure 1)
7. Enter the menu interface on base station D, select M & R > Remote Device, press the menu/confirmation button, and select the IP address of the corresponding master device. (See Figure 3)

Specifications

	Base Station	Beltpack
Interface	POE/LAN interface (RJ45) Power supply interface (RJ45) 4-wire audio interface USB interface 2-wire audio interface	3.5mm headset interface 0B8 headset interface USB-C interface
Power Supply	POE power supply NP-F battery	1500mAh lithium polymer battery
Frequency Response	200 Hz–7 kHz	200 Hz–7 kHz
Signal-to-Noise Ratio	>50dB	>50dB
Distortion	<1%	<1%
LOS Range	1,300ft (400m)	1,300ft (400m)
Frequency Band	1.9GHz	1.9GHz
Modulation Mode	GFSK	GFSK
TX Power	≤ 21dBm	≤ 21dBm
RX Sensitivity	≤ -93dBm	≤ -93dBm
Bandwidth	1.728MHz	1.728MHz
Power Consumption	<3W	<0.6W
Dimensions	(L x W x H): 255.5mm x 180.4mm x 48.5mm (10" x 7.1" x 1.9")	(L x W x H): 105mm x 65mm x 22.4mm (4.13" x 2.56" x 0.88")
Net Weight	Approx. 1560g (55oz)	Approx. 200g (7oz)
Temperature Range	0°C to 45°C (working condition) -20°C to 60°C (storage condition)	0°C to 45°C (working condition) -20°C to 60°C (storage condition)

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. Please use the original adapter, cable, and battery. The use of non-original adapters, cables, or batteries 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

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