# HOLLYLAND HollyView SOLIDCOM M1 User Manual

**Home** » **HOLLYLAND** » HOLLYLAND HollyView SOLIDCOM M1 User Manual

**SOLIDCOM M1**
**User Manual**

V1.0.0 **Powered by Hollyland**

## FOREWORD
Thank you for purchasing Hollyland Full-Duplex wireless intercom system. Please read this instruction carefully before using the product. Wish you have a pleasant experience.
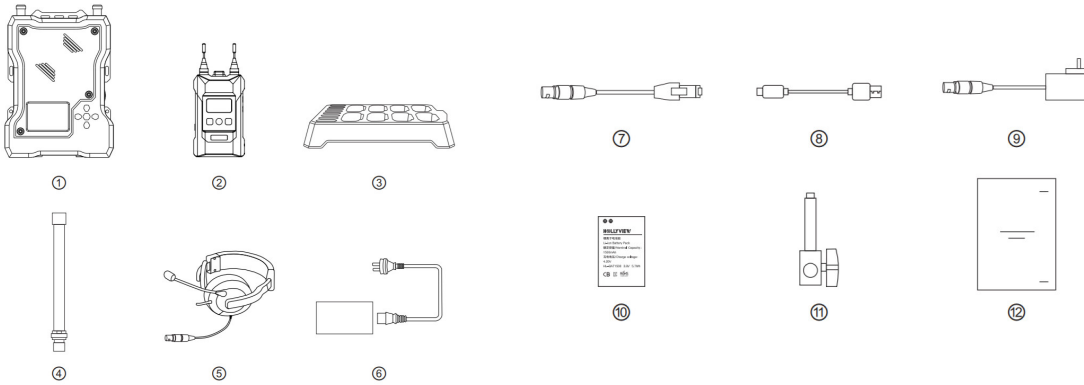
**Contents** [ hide ]

## KEY FEATURES

- Carrier-Grade Voice Quality, up to 450 Meters Line-of-Sight Usage Distance
- 1.9GHz Frequency, Support Frequency Configuration in Different Regions
- Automatically Switching between External Omnidirectional Fiberglass Antenna and In-Built Panel Antenna
- Full-Duplex Wireless Communicating
- The Station Supports up to 8 Beltpacks to Talk at the Same Time. Station, App and Webserver Configuration Upgrade supported
- Beltpack Supports Simultaneous Calls in 3 Groups
- The Station Supports Cascading or Connecting with the 2/4 Wire Audio Systems
- Station's Power could be Supplied by POE Cascading or NP-F Type Batteries
- In-Built Lithium Battery for the Beltpacks, Usage for over 6 hours
- Portable Storage Charging Base, Easy to Carry
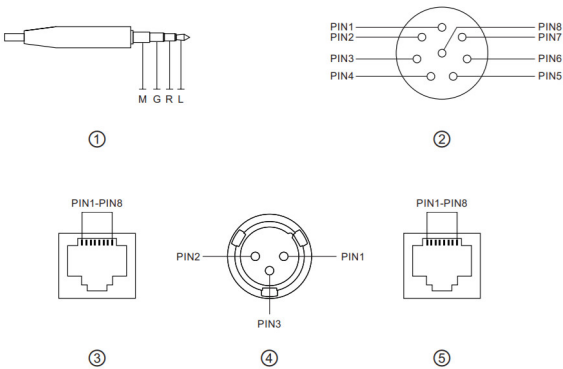- 10 Levels Volume. Different Needs of Scenes Satisfied

## PACKING LIST

1. Station  x1

2. Beltpack  x8

3. Charging Base  x1

4. LEMO Single-Ear Headset  x2

5. High Gain Omnidirectional Antenna  x8

6. POE Adapter  x1

7. RJ45 to XLR Transferring Cable (5 meters)  x1

8. 4Pin XLR Adapter  x1

9. USB-Type-A to Type-C Transferring Cable  x1

10. Battery for Beltpacks  x16

11. 3/8 Installing Accessory  x1

12. User Guide  x1

* The exact quantity may vary on products configuration. Please take the actual quantity as standard.

## PRODUCT INTERFACES

M G R L

①

PIN1  PIN8
PIN2  PIN7
PIN3  PIN6
PIN4  PIN5

②

PIN1-PIN8

③

PIN2  PIN1
PIN3

④

PIN1-PIN8

⑤

**① 3.5mm Headset Interface**
Interface Definition: M G R L
Microphone Independence: 600Ω
Speaker Independence: 32Ω

**② LEMO Headset Interface**
PIN1: GND
PIN2: GND
PIN3: SPK-
PIN4:SPK+
PIN5:MIC+
PIN6:MIC
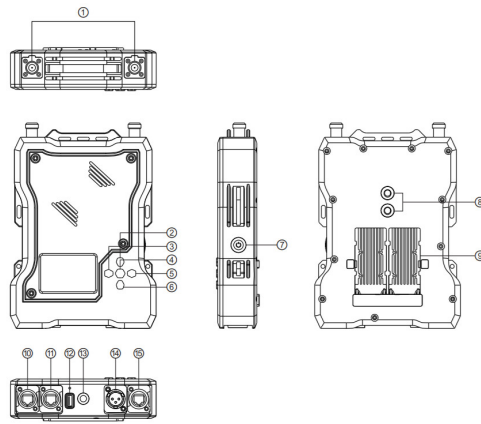PIN7:NULL
PIN8:LED

**③ 4-Wire Interface**
Input Independence: 10KΩ
PIN1: NULL
PIN2: NULL
PIN3: AUDIO OUT+
PIN4: AUDIO IN+
PIN5: AUDIO
INPIN6: AUDIO
OUTPIN7: 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
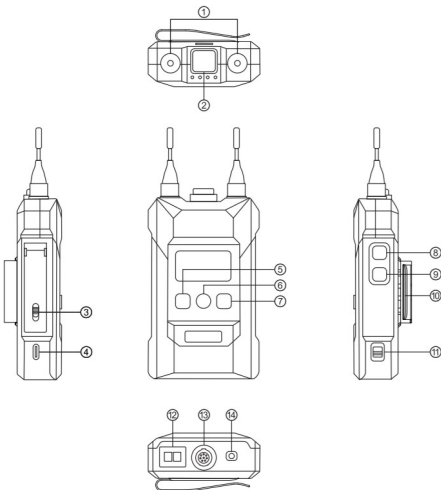PIN6: +POWER
PIN7: -POWER
PIN8: -POWER

A

**A STATION**

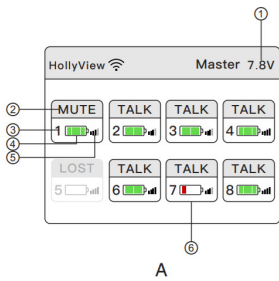| | |
|---|---|
| ①Antenna Interface | ⑧3/8 Screw Hole |
| ②Up Key | ⑨Interface for NP-F Type Battery |
| ③Left Key | ⑩Power Supply Interface |
| ④Menu/Confirm Key (Long Press to the Menu/ Short Press to Select) | 4-Wire Audio Input-Output Interface (RJ45 Interface) |
| ⑤Right Key | USB Interface |
| ⑥Down Key | 3/8 Screw Hole |
| ⑦Power Button | 2-Wire Audio Input-Output Interface |
| | POE Interface |



**B belt pack**

①Antenna

②Mute/Talk Switch Key, Press Down for Talk, Up for Mute

③Battery Compartment Switcher

④USB Type-C Interface

⑤Left Key/A Group Key (The beltpack is not grouped when the indicator light is off. The beltpack is joined Group A but is unable to talk or listen when the Indicator light is white. The beltpack is able to talk and listen in Group A when the Indicator light is orange)

⑥Menu/ B Group Key (Long press to enter Menu/The beltpack is not grouped when the indicator light is off. The beltpack is joined Group B but is unable to talk or listen when the Indicator light is white. The beltpack is able to talk and listen in Group B when the Indicator light is orange)

⑦Right Key/C Group Key (The beltpack is not grouped when the indicator light is off. The beltpack is joined Group C but is unable to talk or listen when the Indicator light is white. The beltpack is able to talk and listen in Group C when the Indicator light is orange)

⑧Volume+ Button

⑨Volume- Button

⑩Back Clip

Power Switcher

Charging Contact

LEMO Headset Interface

3.5mm Headset Interface

**DISPLAY INTRODUCTION**

A

**A STATION MAIN DISPLAY INTRODUCTION**
① Current Battery Voltage of Station
② Current Status of Beltpack
TALK: The beltpack is able to talk while listening.
MUTE: The beltpack is able to listen but unable to talk.
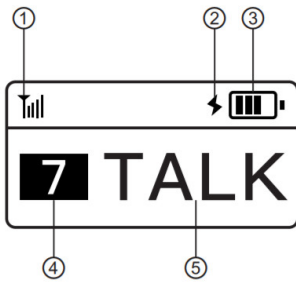LOST: The beltpack is disconnected from the station.
LINK: The beltpack is linking to the station.

③ Beltpack Number
④ Current Battery Usage of Beltpack
⑤ Current Signal Strength of Beltpack
⑥ Low Battery Display of Beltpack



B

**B BELTPACK MAIN DISPLAY**
① Current Signal Strength
② Charging Notice
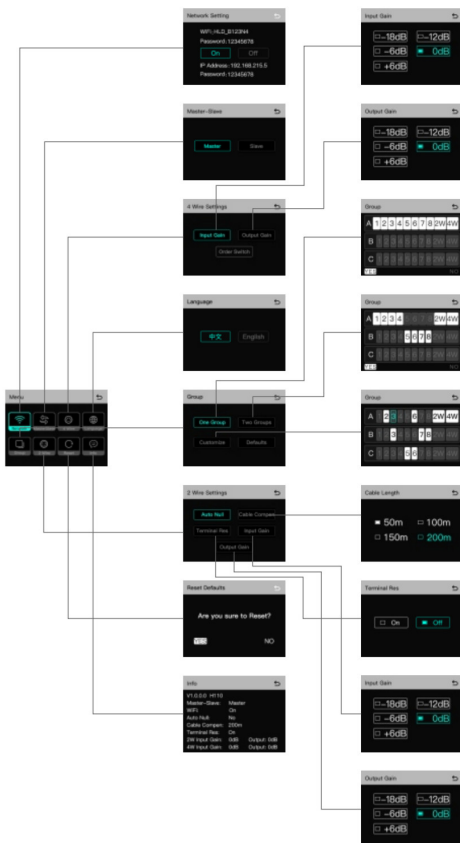③ Current Battery Usage
④ Beltpack Number

⑤ Current Status
TALK: Able to Talk while Listening
MUTE: Able to Listen but unable to Talk
LOST: Disconnected from the Station
LINK: Linking to the Station
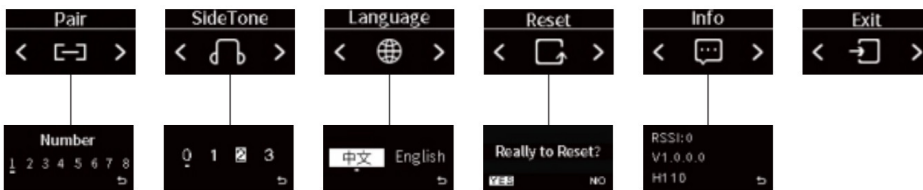
**GUIDE**



**STATION MENU INTRODUCTION**
Long press Menu/Confirm key for 3 seconds to enter the Menu, following is the menu function's Introduction.

1. Select "Network" to Switch WiFi on/off, See the WiFi Password and IP Address.

2. Select "Master and Slave" to Set the Station as Master Device/Slave Device.

    2.1 If there's only one kit of devices, the station needs to be set as Master Device; When two or more kits are cascaded, the station can be set as Master Device/ Slave Device.

    2.2 When the station is set as Master Device, The beltpack number will automatically switch to 1-8; When the station is set as Slave Device, The beltpack number will automatically switch to 9-16.

    2.3 This function can only be used when two kits of devices are cascaded by the Ethernet interface. The Station needs to be set as Master Device when only one kit of devices is used.

3. Select "4 Wire" Entering 4 Wire Audio Settings.

    3.1 Enter the Menu to adjust 4 Wire audio system input/output gain.

    3.2 Switch sequence of lines.

4. Select "Language" to Switch Language to Chinese or English.

5. Select "Group" Entering Group Settings.

    5.1 One Group: To group all the beltpacks, 2 Wire and 4 Wire audio devices to Group A.

    The indicator light of Group A Key on the beltpacks will shine

    5.2 Two Groups: To group number 1-4 beltpacks, 2 Wire and 4 Wire audio devices to Group A, number 5-8 beltpacks to Group B, The indicator light of corresponding groups on the beltpacks will shine.

    5.3 Customize: Able to group beltpacks, 2 Wire or 4 Wire audio devices through Direction Keys and Confirm Key. After setting the corresponding indicator light of the belt pack will shine;

    5.4 Defaults: Able to group all beltpacks, 2 Wire and 4 Wire to Group A, After setting the indicator light of Group A will shine.

6. Select "2 Wire" Entering 2 Wire Settings.

    6.1 After connected to 2 Wire devices, set the corresponding wire length compensation and terminal resistor of the station. Powe on the 2 Wire devices. Meanwhile, the microphone of 2 Wire devices needs to be turned off or disconnected to make sure there's no other audio transmitting in the 2 Wire connection. Otherwise, the Auto Null will be affected. Select "Auto Null", the station will complete the Auto Null operation of 2 Wire Devices;

    6.2 Select "Cable Company", confirm the bus length of the same parallel 2 Wire Interface.

    Select the corresponding compensation selection according to the bus length;

    6.3 Select "Terminal Res", confirm whether the 2 Wire Device connected by the 2 Wire interface has a terminal resistor. The terminal resistor needs to switch to Off if the 2 Wire Device has a terminal resistor. The terminal resistor needs to switch to On if the 2 Wire Device doesn't have a terminal resistor.

    6.4 Select "Input Gain" to enter input gain adjust menu, Select the corresponding level to increase or decrease the corresponding value of the input signal;

    6.5 Select "Output Gain" to enter the output gain adjust menu, Select the corresponding level to increase or decrease the corresponding value of the output signal.

7. Select "Reset" to Reset all the Adjusted Info of Station to Defaults.

8. Select "Info" to Check the Information of the Station.



## BELTPACK MENU INTRODUCTION

Long press Menu Key for 3 seconds to enter the menu, Following is the introduction of each function.

1. Connect the Beltpack to the Station by USB-A to TypeC Cable,

    Select "Pair", the Beltpack can Pair with Station.

    Select the usable number from 1 to 8 to confirm paring, Both the station and the beltpack's screens will display "Pairing…". Disconnect the beltpack from the station when the screens Display "Pairing Successful".

2. Select "SideTone" to set the SideTone Output Volume.

    SideTone off when it is at Level 0, The SideTone will Increase from Level 1 to 3.

3. Select "Language" to Switch Language to Chinese or English.

4. Select "Reset" to Reset all the Adjusted Info of Beltpack to Defaults.

5. Select "Info" to Check the Information of the Beltpack.

6. Select "Exit" Exit to the Main Menu.

## SET THE STATION BY WEB SERVER

Power on the station. Connect POE or PWR Interface to the Ethernet interface of the computer by Ethernet Cable. Configure the network segment of the computer to be consistent with the station, Then open the browser on the computer and enter the following address (Check the corresponding address through the Network Menu of the station).

Master Device: 192.168.218.10
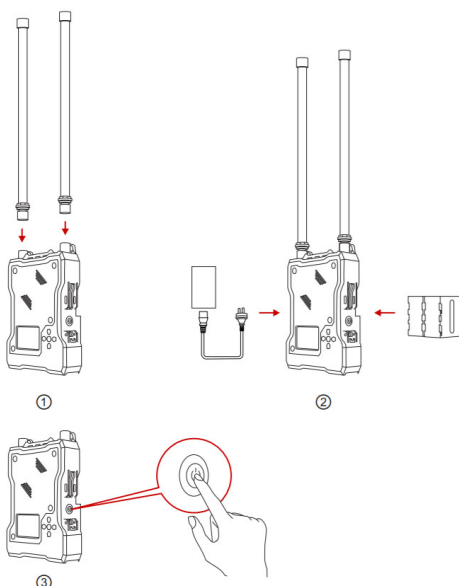
Slave Device: 192.168.218.11

Log in and enter the Web page (Default passcode:12345678) can upgrade the Station, group the beltpacks, and adjust the status of beltpacks.

## SET THE STATION BY APP

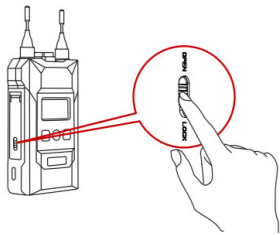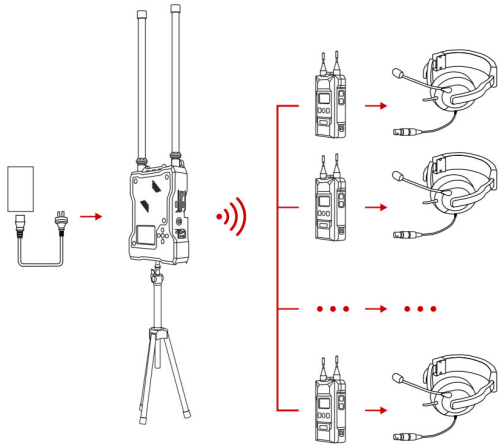Turn on the WiFi of the station. Find the WiFi start with "HLD" on the phone and connect.

Open the Solidcom App to connect. (Turn the WiFi on and check the corresponding Wifi name and password through the Network Menu of the station)
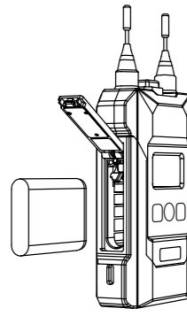
## PRODUCT INSTALLATION

1. **Station Installation**
    1. Install the antenna according to the picture.
    2. Connect the power adapter, or install NP-F type battery.
    3. Press the power button to power it on.
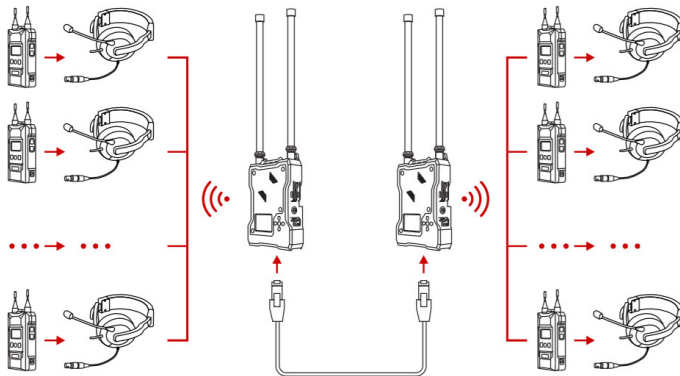


①



②

2. Beltpack Installation
    1. Open the battery compartment, insert the battery in the direction marked on the battery.
    2. Switch the power switcher on to power on.
    3. After the beltpack status changes from "LOST" to "TALK", You can Talk Now.
    Press the top button will change to "MUTE". The beltpack is able to listen but unable to talk. The status will be changed when the button is pressed again.
    4. The beltpack supports both 3.5mm and LEMO headsets to connect.
    5. When connect to other Intercom Systems through 4 Wire or 2 Wire Audio Interfaces, Users can adjust input and output gain in the Menu of the station to balance the entire gain of the Intercom System.
    6. The battery will enter the dormant state after being placed for a period of time. It is recommended to fully charge and discharge the beltpack for the first three times.
3. Re-Pair
    The beltpack number may be lost due to wrong operation or other reasons. You can connect the beltpack to the station with a USB to Type-C cable. Enters the "Pair" Menu of the beltpack and selects an optional number for pairing. Both the station and the beltpack's screens will display "Pairing…".Disconnect the beltpack from the station when the screens display "Pairing Successful".



4. Cascade Two Sets of Devices
    1. Through the dedicated-level Ethernet cable in the accessories, Two Sets of stations can be cascaded, and the number of beltpacks can be expanded up to 16 Beltpacks. When Cascading, One of the Master Device beeds to set as Slave Device. If set Master Device to Slave Device when used alone, the beltpack will not be able to talk and the device needs to be reset as Master Device.
    2. When cascading, the beltpack number of the Slave Device will automatically change to 9-16.
    3. When the Master Device uses the POE adapter to supply power, the POE adapter needs to connect to the Power Interface of the Master Station. When cascading, the Ethernet cable needs to connect to the POE Interface of the Master Device and the Power Interface of the Slave Device, which can realize the power supply to the Slave Device without a Battery. It is available when the POE Adapter has not been used but NP-F Type Battery for the power supply.

**PARAMETERS**

| | Station | Beltpack |
|---|---|---|
| Interfaces | POE Interface (RJ45)<br>Power Supply Interface (RJ45)<br>4 Wire Audio Interface USB Interface<br>2 Wire Audio Interface<br>USB Type-C Interface | 3.5mm Headset Interface LEMO Headset Interface USB-Type-C Interface |
| Power Supply | POE Power Supply NP-F Type Battery | 1500mAh Lithium Polymer Battery |
| Frequency Response | 200Hz to 7KHz | 200Hz to 7KHz |
| Signal-to-Noise Ratio | >50dB | >50dB |
| Distortion | <1% | <1% |
| Use Range | 450 Meters Line-of-Sight Usage | 450 Meters Line-of-Sight Usage |
| Frequency Band | 1.9GHz | 1.9GHz |
| Modulation Mode | GFSK | GFSK |
| Transmit Power | Maximum 21dBm | Maximum 21dBm |
| Receiving Sensitivity | s-93dBm | 5-93dBm |
| Frequency Bandwidth | 1.728MHz | 1.728MHz |
| Power Consumption | <3W | <0.6W |
| Dimension | (L'W'H): 255.5'180.4'48.5mm | (L'WH): 105'65'22.4mm |
| Weight | About 15609 | About 200g |
| Working Temperature | 0 – *45C(Working Status) -20 – +60°C(Stock Status) | 0 – +45'C(Working Status) -20 – +60°C(Stock Status) |

**SAFETY PRECAUTIONS**

Do not place the beltpacks in the accessories or inside of Heating Equipment, Cooking equipment, High-Pressure Containers, etc. (Such as Microwave Ovens, Induction Cookers, Electric Ovens, Electric Heaters, Pressure Cookers, Water Heaters, Gas Stoves, etc.) to prevent the battery from overheating and exploding. The Charger, data cable, and battery of the original matching model must be used. Using chargers, data Cables, and batteries that are not certified by the manufacturer or of non-matching models may cause Electric Shock, Fire, Explosion, or Other Dangers.

**SUPPORT**

If encounter any problems in using the product or need any help, please follow these ways to get more technical support:

 Hollyland Products User Group

 HollylandTech

 HollylandTech

 **support@hollyland-tech.co**m

 **www.hollyland-tech.com**

**HOLLYLAND**

**WWW.HOLLYLAND-TECH.COM**

**WIRELESS INTERCOM SYSTEM**

 **Hollyland Products User Group**

 **HollylandTech**

 **HollylandTech**

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**Documents / Resources**

**SOLIDCOM M1**

**HOLLYLAND HollyView SOLIDCOM M1** [pdf] User Manual
HOLLYLAND, SOLIDCOM M1, HollyView, Full-Duplex, wireless, intercom, system

**Related Manuals / Resources**

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AMEYO USER MANUAL - Download [optimized] AMEYO USER MANUAL - Download

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