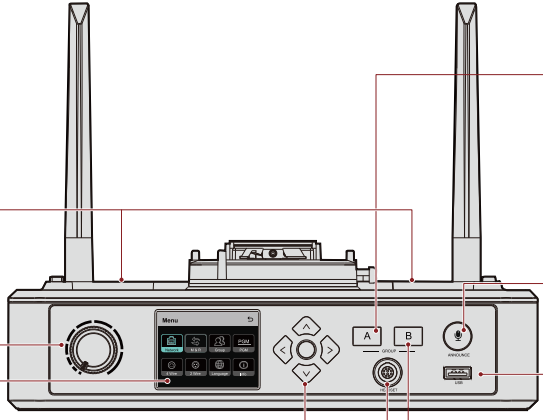
HOLLYLAND
MADE TO INSPIRE

Hollyland Solidcom C1 Pro Hub

User Manual

V1.0.0

Interfaces



NP-F Battery Slot

Volume Knob

Display

- ^ UP Arrow Button
- v DOWN Arrow Button
- < LEFT Arrow Button
- > RIGHT Arrow Button
- ○ Menu/Confirmation Button
  - Press and hold the button to enter the menu interface/Press the button for confirmation.

0B10 Headset Interface

A Button

- OFF: The wired headset user is not in group A. In this case, the user cannot hear or talk with the other headset users in group A.
- ON in orange: The wired headset user is in group A. In this case, the user can hear and talk with the other headset users in group A.

ANNOUNCE Button

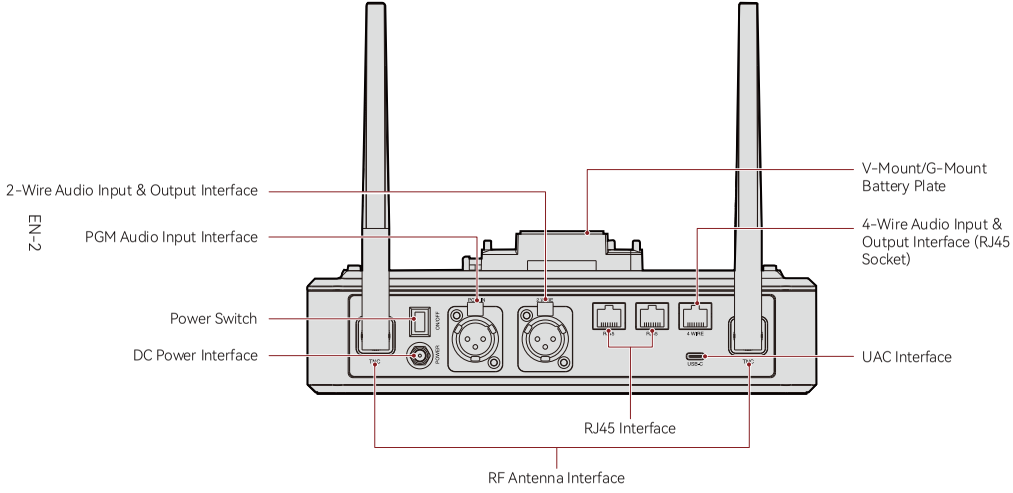
- Press and hold the button to mute all remote headsets in the system. In this case, the indicator turns ON in orange.

USB Interface

B Button

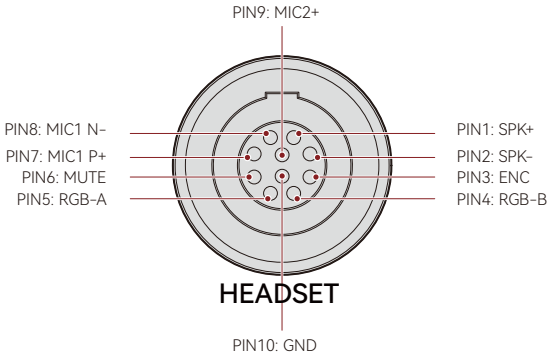
- OFF: The wired headset user is not in group B. In this case, the user cannot hear or talk with the other headset users in group B.
- ON in orange: The wired headset user is in group B. In this case, the user can hear and talk with the other headset users in group B.

Interfaces

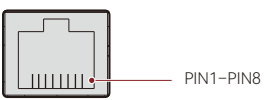

2-Wire Audio Input & Output Interface
PGM Audio Input Interface
Power Switch
DC Power Interface
V-Mount/G-Mount Battery Plate
4-Wire Audio Input & Output Interface (RJ45 Socket)
UAC Interface
RJ45 Interface
RF Antenna Interface
ON/OFF
POWER
4 WIRE
USB-C

Interfaces

0B10 Wired Headset Interface



4-Wire Audio Input & Output Interface

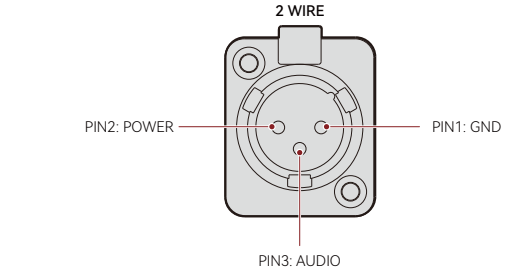


Standard Line Sequence			
PIN1	GND	PIN5	AUDIO OUT-
PIN2	GND	PIN6	AUDIO IN-
PIN3	AUDIO IN+	PIN7	GND
PIN4	AUDIO OUT+	PIN8	GND

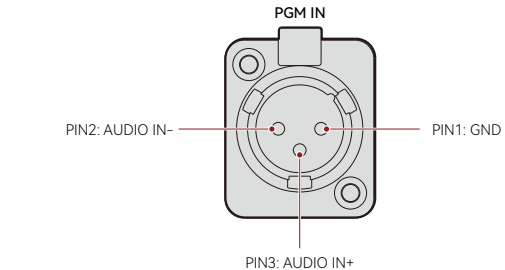
Cross Line Sequence			
PIN1	GND	PIN5	AUDIO IN-
PIN2	GND	PIN6	AUDIO OUT-
PIN3	AUDIO OUT+	PIN7	GND
PIN4	AUDIO IN+	PIN8	GND

Interfaces

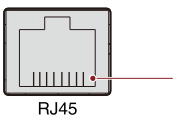
2-Wire Audio Input & Output Interface



PGM Audio Input Interface



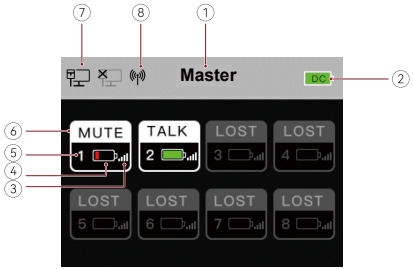
RJ451/RJ452 Interface



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



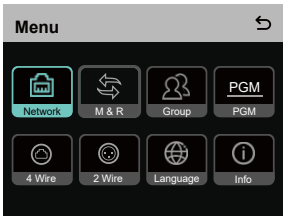
① Hub Mode (Master/Remote)
② Hub Battery Level
③ Headset Signal Strength
④ Headset Battery Level (Red: Low Battery)
⑤ Headset Number
⑥ Headset Status

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

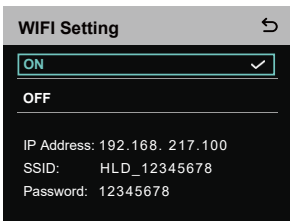
Hub Menu Description

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

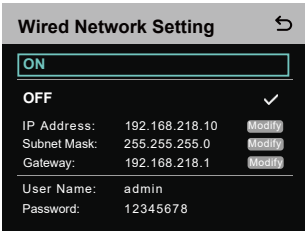


1. Select **Network** to enter the network configuration interface.

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

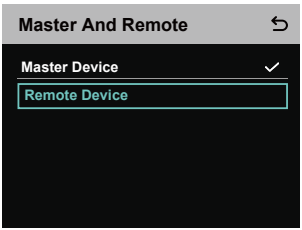


1.2 Select **Wired Network Setting** to turn DHCP ON or OFF. If it is turned OFF, you can also modify the IP address, subnet mask, and gateway as well as view the user name and password for logging in to the web.



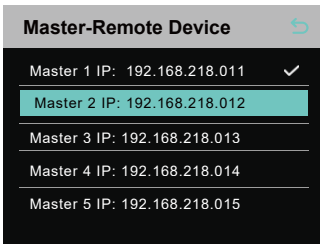
2. Select **M & R** to set the hub as the master device or remote device.

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



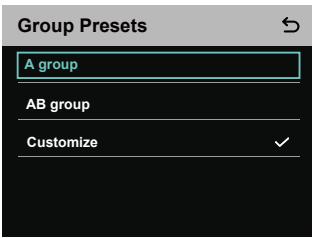
2.2 Select **Remote Device** and then select **Scan** to scan the IP addresses of master devices on the network. Select the IP address of the corresponding master device in the displayed list and confirm it. Then, the hub is successfully set as the remote device.

- 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.

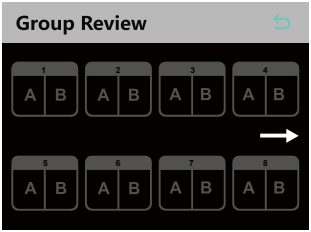


3. Select **Group** to perform group settings and view group status.

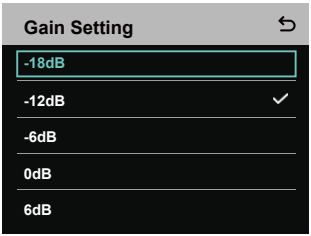
3.1 There are three options: **A group** (All devices are in group A), **AB group** (All devices are in groups A and B), and **Customize** (The group settings can be customized on the web. All devices are in group A by default).



3.2 Select **Group Review** to view group settings.

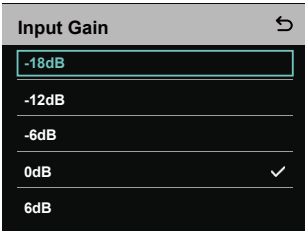


4. Select **PGM** to set the PGM audio gain according to the input volume.

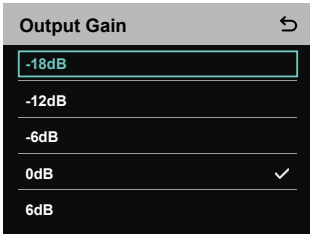


5. Select **4 Wire** to perform 4-wire audio settings.

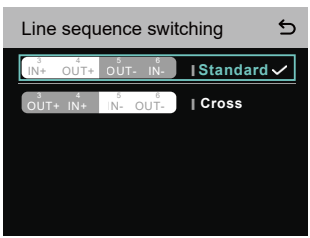
5.1 Select **Input Gain** to set the input gain according to the input volume.



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



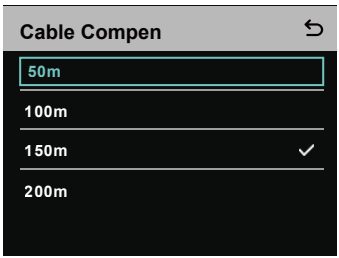
5.3 Select **Line Sequence Switching** to switch between **Standard** and **Cross** modes.



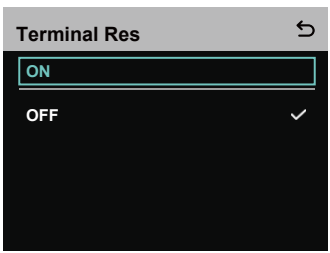
6. Select **2 Wire** to perform 2-wire audio settings.

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.

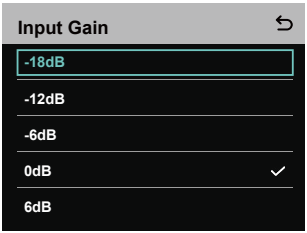
6.2 Select **Cable Compen** to check the 2-wire cable length and select the corresponding compensation option according to the cable length.



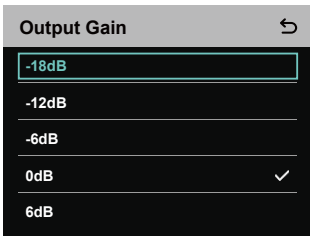
6.3 Select **Terminal Res** to check whether the 2-wire device connected via the 2-wire interface has terminal resistance. If it has, select **OFF**. Otherwise, select **ON**.



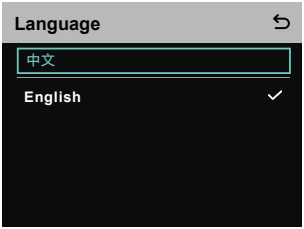
6.4 Select **Input Gain** to set the input gain according to the input volume.



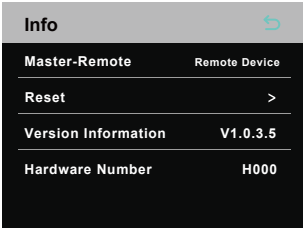
6.5 Select **Output Gain** to set the output gain according to the input volume.



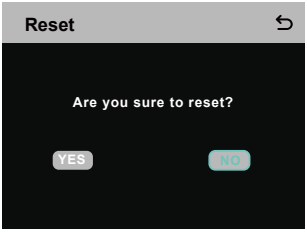
7. Select **Language** to perform language settings. You can switch between Chinese and English.



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

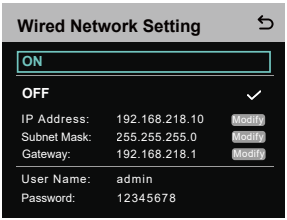


8.1 Select **Reset** to restore the configured hub information to the default settings.



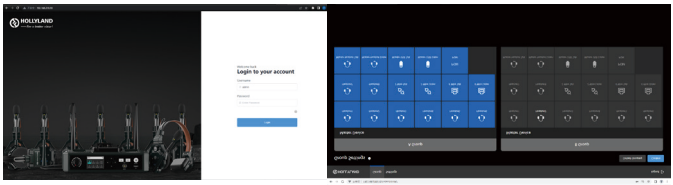
Performing Group Settings via a Computer

- 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

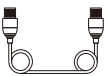
After group settings are performed on the hub, the A or B button on a connected headset will light ON. The button light status indicates which group the headset has joined. To join or exit group A or B, simply press the A or B button on the headset.

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 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

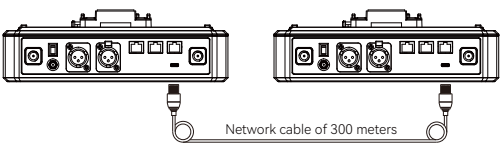
Multiple hubs can be cascaded to expand the number of headsets. The hub supports two cascade methods — cascade via 4-wire analog signals and cascade via IP digital signals. Generally, it is recommended to cascade two hubs using 4-wire analog signals, and cascade three or more than three hubs using IP 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

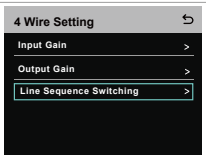
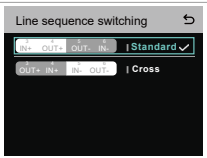
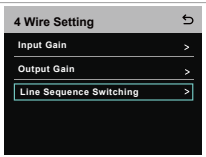
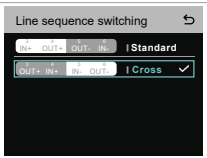
Use a standard network cable to connect two hubs via the 4-wire interface. The length of the network cable is up to 300 meters.



4-Wire Settings

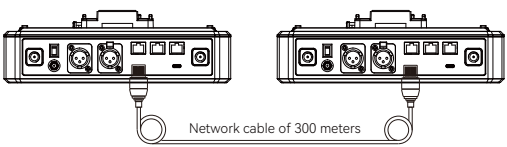
After connecting two hubs using a network cable, select **4 Wire** > **Line Sequence Switching** on the hubs, and then select **Standard** on one hub and **Cross** on the other hub.

Hub Display

<table>
<tr><td>Hub ①</td><td>Select 4 Wire > Line Sequence Switching.</td><td>Select Standard.</td></tr>
<tr><td>4-Wire Settings</td><td> 
</td><td> 
</td></tr>
<tr><td>Hub ②</td><td>Select 4 Wire > Line Sequence Switching.</td><td>Select Cross.</td></tr>
<tr><td>4-Wire Settings</td><td> 
</td><td> 
</td></tr>
</table>

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.

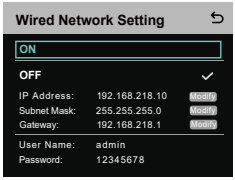
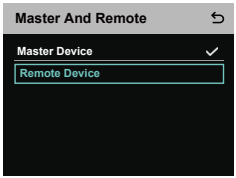
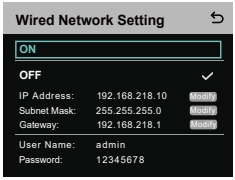
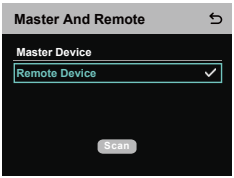
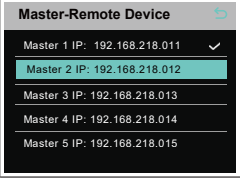


M & R Mode Settings

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.

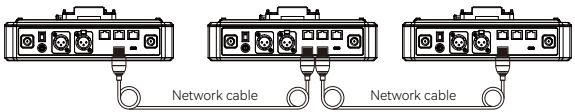
Hub Display

<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): 259.9mmx180.5mmx65.5mm (10.2"x7.1"x2.6")
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℃ to 45℃ (working condition) −10℃ to 60℃ (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

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HollylandTech

support@hollyland-tech.com

www.hollyland-tech.com

Note:

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FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device. This device complies with Part 15 of the FCC Rules.

Operations are subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operations.

FCC Radiation Exposure Statement:

The device has been tested and complies with FCC SAR limits.

Note:

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instrustions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the device and the receiver.
- Connect the device to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

HOLLYLAND
MADE TO INSPIRE

Hollyland Solidcom C1 Pro

User Manual

V1.0.0

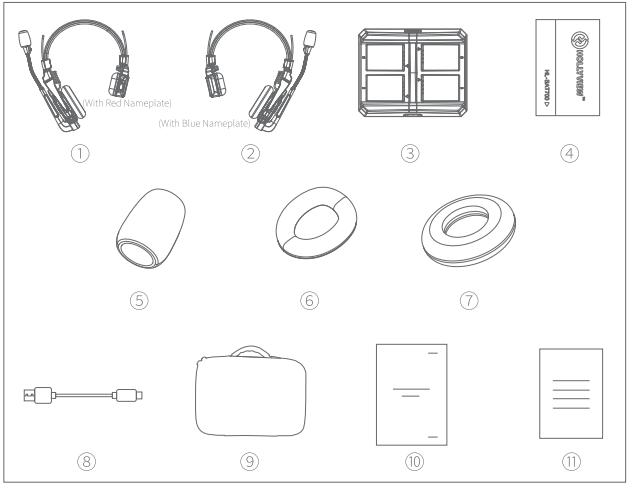
Introduction

Thank you for purchasing Hollyland Solidcom C1 Pro full-duplex wireless noise cancelling intercom system.

The Solidcom C1 Pro, adopting the advanced DECT technology, is Hollyland's first wireless self-contained intercom system with Environmental Noise Cancellation (ENC). The system operates in the 1.9GHz band, providing a reliable LOS range of up to 1,100ft (350m).

This User Manual will help you through the installation and use of the equipment.

Packing List

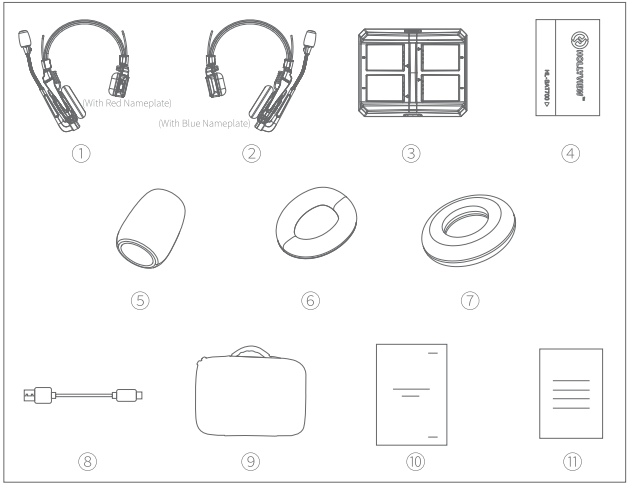


Solidcom C1 Pro - 2S 2-person Noise Cancelling Headset Intercom

① Master Headset (With Red Nameplate)	x1
② Remote Headset (With Blue Nameplate)	x1
③ Charging Case	x1
④ Battery	x4
⑤ Microphone Cushion	x2
⑥ Over-ear Leather Cushion	x2
⑦ On-ear Foam Cushion	x2
⑧ USB-A to USB-C Cable	x1
⑨ Storage Case	x1
⑩ User Manual	x1
⑪ Warranty Card	x1

Note: The quantity of the items depends on the product configuration.

Packing List

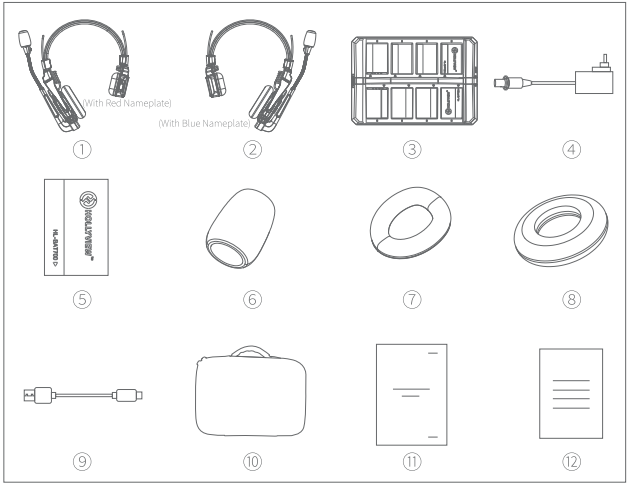


Solidcom C1 Pro - 3S 3-person Noise Cancelling Headset Intercom

① Master Headset (With Red Nameplate)	x1
② Remote Headset (With Blue Nameplate)	x2
③ Charging Case	x1
④ Battery	x6
⑤ Microphone Cushion	x3
⑥ Over-ear Leather Cushion	x3
⑦ On-ear Foam Cushion	x3
⑧ USB-A to USB-C Cable	x1
⑨ Storage Case	x1
⑩ User Manual	x1
⑪ Warranty Card	x1

Note: The quantity of the items depends on the product configuration.

Packing List

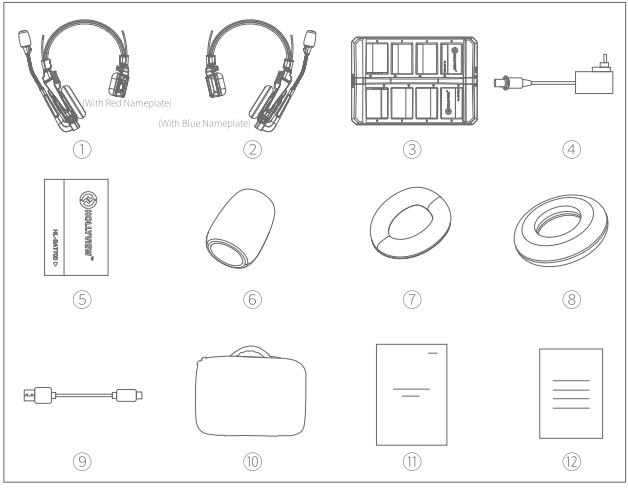


Solidcom C1 Pro - 4S 4-person Noise Cancelling Headset Intercom

① Master Headset (With Red Nameplate)	x1
② Remote Headset (With Blue Nameplate)	x3
③ Charging Case	x1
④ DC Adapter	x1
⑤ Battery	x8
⑥ Microphone Cushion	x4
⑦ Over-ear Leather Cushion	x4
⑧ On-ear Foam Cushion	x4
⑨ USB-A to USB-C Cable	x1
⑩ Storage Case	x1
⑪ User Manual	x1
⑫ Warranty Card	x1

Note: The quantity of the items depends on the product configuration.

Packing List

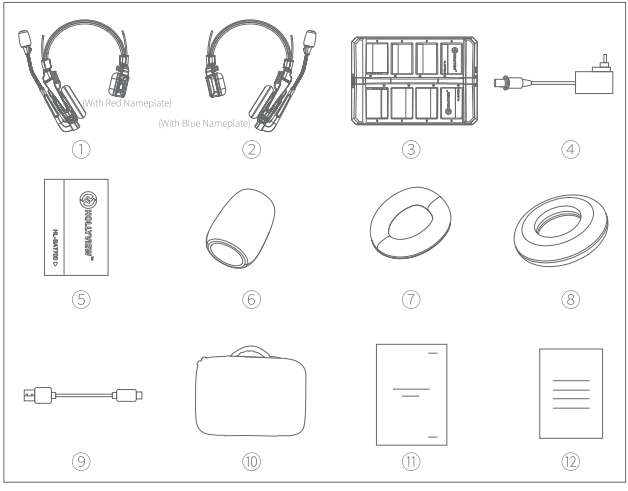


Solidcom C1 Pro - 6S 6-person Noise Cancelling Headset Intercom

① Master Headset (With Red Nameplate)	x1
② Remote Headset (With Blue Nameplate)	x5
③ Charging Case	x1
④ DC Adapter	x1
⑤ Battery	x12
⑥ Microphone Cushion	x6
⑦ Over-ear Leather Cushion	x6
⑧ On-ear Foam Cushion	x6
⑨ USB-A to USB-C Cable	x1
⑩ Storage Case	x1
⑪ User Manual	x1
⑫ Warranty Card	x1

Note: The quantity of the items depends on the product configuration.

Packing List



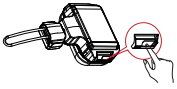
Solidcom C1 Pro - 8S 8-person Noise Cancelling Headset Intercom

① Master Headset (With Red Nameplate)	x1
② Remote Headset (With Blue Nameplate)	x7
③ Charging Case	x1
④ DC Adapter	x1
⑤ Battery	x16
⑥ Microphone Cushion	x8
⑦ Over-ear Leather Cushion	x8
⑧ On-ear Foam Cushion	x8
⑨ USB-A to USB-C Cable	x1
⑩ Storage Case	x1
⑪ User Manual	x1
⑫ Warranty Card	x1

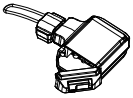
Note: The quantity of the items depends on the product configuration.

Operation Guide

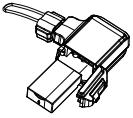
① Install the battery.



Step 1: Slide the battery compartment cover lock.

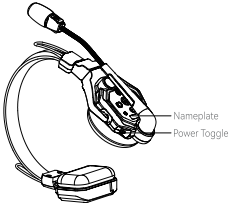


Step 2: Open the cover.



Step 3: Place the battery into the compartment and close the cover.

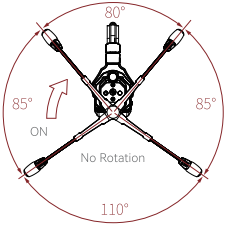
② Turn on the master headset and remote headsets.



Master Headset Startup

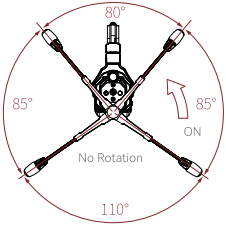
1. Ensure that all the headsets are turned ON.
2. The indicator light stops flashing and stays ON when the master headset is successfully connected with the remote headsets.
3. Red nameplate: Master headset
   Blue nameplate: Remote headset

③ Turn on the microphone.



Rotate the microphone boom upwards clockwise.

Microphone Boom Rotation



Rotate the microphone boom upwards counterclockwise.

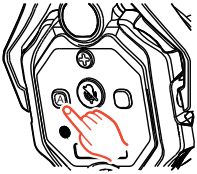
④ The Solidcom C1 Pro system is now ready for use.

Pairing

The master headset is paired with the remote headsets at the factory. They are ready for use right out of box. Manual pairing is only required when a new headset is added to the system. During the pairing process, all the headsets must be turned ON and connected.

Pairing steps:

1. Press and hold the A button on both the master headset and remote headsets for 5 seconds. Pairing is completed when the indicator light on each microphone boom stops flashing and stays ON.
2. One master headset can be paired with up to 7 remote headsets.



Solidcom C1 Pro is highly versatile and can be applied in a variety of usage scenarios.

For more information about how to operate this system, please visit

https://hollyland-techhelp.zendesk.com/hc/en-us/categories/360005064994-Download.

Parameters

Transmission Range	1,100ft (350m) LOS
Frequency Band	1.9 GHz (DECT) (varies by country and region)
Modulation Mode	GFSK
TX Power	≤21dBm (125.9 mW)
RX Sensitivity	<-90dBm
Battery Capacity	700mAh (2.66Wh)
Operation Time	Remote headset: >10 hours (when ENC is turned ON) Master headset: >5 hours (when ENC is turned ON and the master headset is connected with 5 remote headsets) Master headset: >4 hours (when ENC is turned ON and the master headset is connected with 7 remote headsets)
Charging Time	About 2.5 hours
Frequency Response	ENC OFF: 150Hz–7kHz (fluctuation range: ±6dB) ENC ON: 150Hz–7kHz (fluctuation range: ±10dB)
Signal-to-Noise Ratio	71±2dB@94dBSPL,1kHz
Distortion	<1%@94dBSPL, 150Hz–7kHz
Microphone Type	Electret
Input SPL	>115dBSPL
Output SPL	94±3dBSPL (@94dBSPL, 1kHz)
ENC	20dB±2 with two microphones (relative to environmental noise in all directions)
Net Weight	About 170g (6oz) with batteries included
Temperature Range	0℃ to 45℃ (working condition) −10℃ to 60℃ (storage condition)

Note: The frequency band and TX power vary by country and region.

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