

HOLLYLAND SOLIDCOM C1

Quick Guide

V1.0.0

Introduction

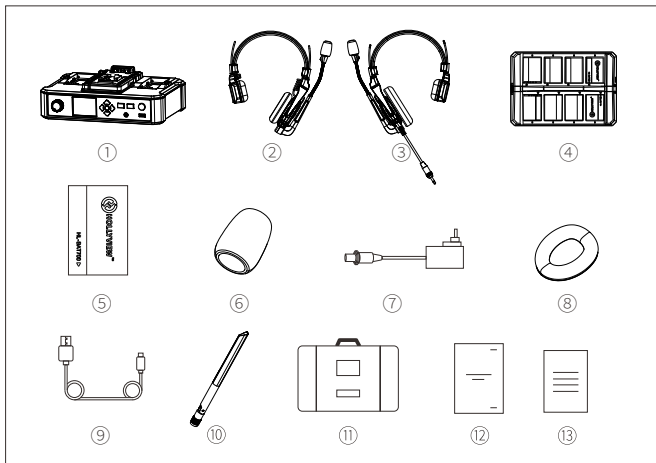
Thank you for purchasing **FULL-DUPLEX WIRELESS INTERCOM SYSTEM**

The SOLIDCOM C1 includes eight single-sided remote wireless headsets along with eight rechargeable batteries, a charger, a HUB base with wired headset, and accessories.

It is a full-duplex wireless DECT intercom system engineered to provide clear audio and all-day wearing comfort in a true-wireless design with no belt-pack required. The system operates in the 1.9GHz band/5GWIFI(5190MHz), providing a reliable transmission range up to 1000ft (350m radius (LOS).

This Quick Guide will guide you through the installation and use of the equipment.

Packing List

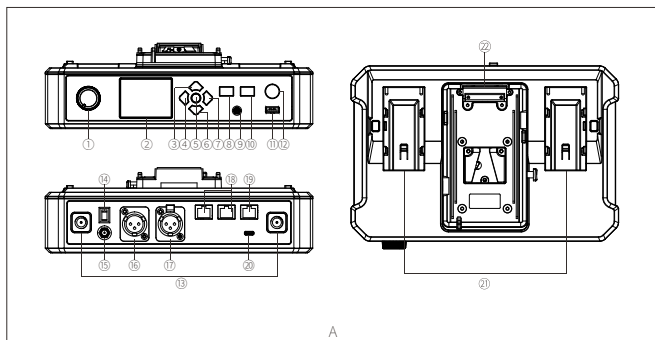


SOLIDCOM C1 Headset Intercom Package

① HUB Base	x1
② Remote Headset (with blue nameplate)	x8
③ 3.5mm HUB Headset (with red nameplate)	x1
④ Charging Case	x1
Battery	x16
⑥ Microphone Cushion	x9
⑦ 12V/2A DC Adapter	x2
⑧ Over-ear Cushion	x9
⑨ USB Type-A to Type-C Cable	x1
⑩ High-gain Antennas	x4
⑪ Storage Case	x1
⑫ Quick Guide	x1
⑬ Warranty Card	x1

Note: The amount of the items listed above depends on the edition.

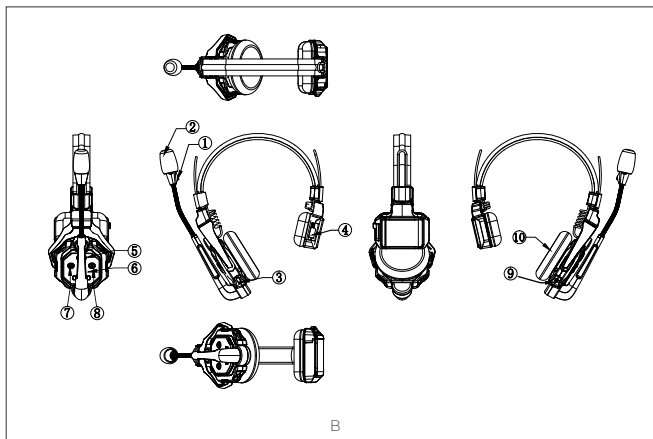
Product Interfaces



A

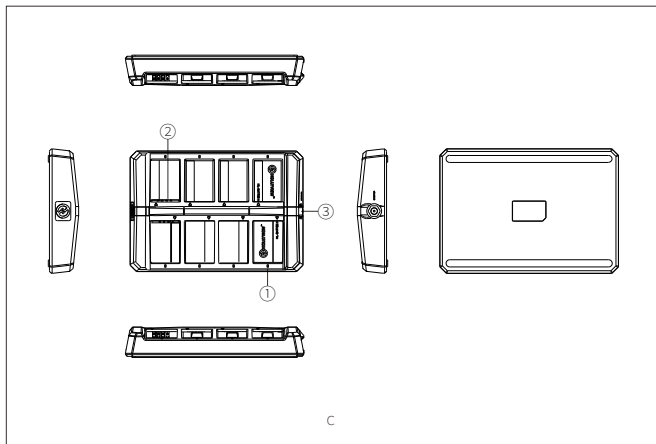
A HUB Base Interfaces

- ① HUB Headset Volume Knob
- ② Display
- ③ UP Arrow Key
- ④ LEFT Arrow Key
- ⑤ Menu/Confirm Button - Long press to enter the main menu/press once to confirm
- ⑥ DOWN Arrow Key
- ⑦ RIGHT Arrow Key
- ⑧ Join/Exit Group A Button for the 3.5mm HUB Headset - The indicator turns off when the HUB Headset exit Group A's conversation, and turns on in orange after joining in
- ⑨ 3.5mm Headphone Jack
- ⑩ Join/Exit Group B Button for the 3.5mm HUB Headset - The indicator turns off when the HUB Headset exit Group B's conversation, and turns on in orange after joining in
- ⑪ USB Interface
- ⑫ ANNOUNCE Button - Press and hold the button while making an ANNOUNCE, release the button when finished
- ⑬ RF Antenna Interface
- ⑭ Power Switch
- ⑮ DC Power Interface
- ⑯ PGM Audio Input Interface
- ⑰ 2-wire Audio Input & Output Interface
- ⑱ RJ45 Network Port
- ⑲ 4-wire Audio Input & Output Interface (RJ45 network socket)
- ⑳ UAC Interface
- ㉑ NP-F Battery Bay
- ㉒ V-Mount/G-Mount Battery Plate (Subject to the actual product you purchased)



B Headset Interfaces

- ① Power/Connection Indicator
- ② Microphone
- ③ USB Type-C Interface - For firmware upgrade, and headset pairing
- ④ Battery Compartment
- ⑤ Volume + Button
- ⑥ Volume - Button
- ⑦ A Button - Lights up when joined Group A, turns off when exited Group A;
Long press for 5 seconds to pair
- ⑧ B Button - Lights up when joined Group B, turns off when exited Group B
- ⑨ Power Button
- ⑩ Speaker



C Charging Case Interfaces

① Charging Indicator

Orange: Charging in progress

Green: Fully charged

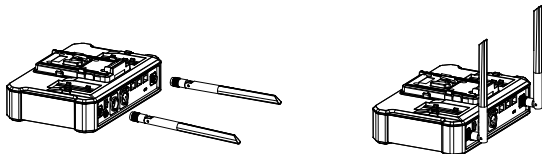
② Charging Contact

③ DC Charging Interface

Quick Start Guide

Set Up HUB Base

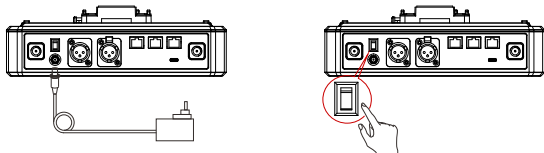
Install the HUB antennas.



Power Up HUB Base

Connect the 12V/2A DC Adapter to the HUB base.

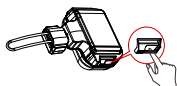
Press the Power Switch to turn on.



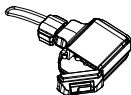
Note: The HUB Base can be powered using NP-F battery, V-Mount/G-Mount battery, or DC power supply.

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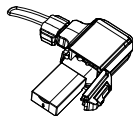
Install Headset Battery



Step 1: Slide the battery compartment cover lock

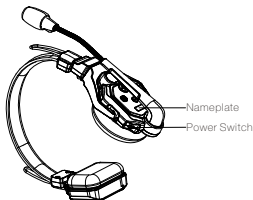


Step 2: Open the cover



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

Turn On Headset

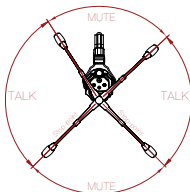


Power up the Headset

Note: The indicator light stops flashing and turns to static green when the HUB Base and the Remote Headset(s) are successfully connected.

Mute/Unmute Microphone

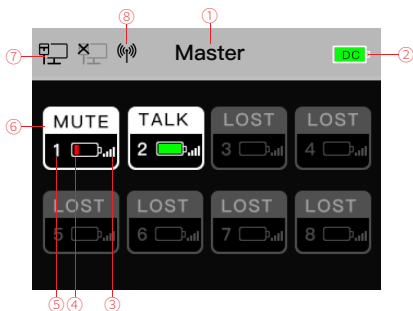
Mute/Unmute the headset's microphone by moving the mic boom up/down.



1. Move the mic boom up to the MUTE position that makes a CLICK sound, and the HUB Base's interface displays "MUTE" corresponding to the headset status.
2. Move the mic boom down to the TALK position that makes a CLICK sound, and the HUB Base's interface displays "TALK" corresponding to the headset status.

The device is now ready for use.

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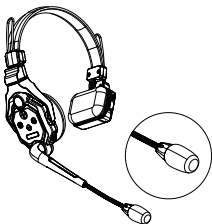


HUB Base Main Display Interfaces

- ① HUB Base configuration - Master/Slave
- ② HUB Base battery level
- ③ Headset signal strength
- ④ Headset battery level - turns red in low battery
- ⑤ Headset number
- ⑥ Headset status
 - TALK: Headset is active to hear and talk
 - MUTE: Headset is muted to hear only
 - LOST: Headset lost connection with HUB Base
- ⑦ Network connection status
- ⑧ WiFi status

Quick Start Guide

Headset Status Indicator



- ① FLASH GREEN: Headset disconnected
- ② STATIC GREEN: Headset connection successful
- ③ FLASH RED: Battery low, please change the battery

Pairing Operation

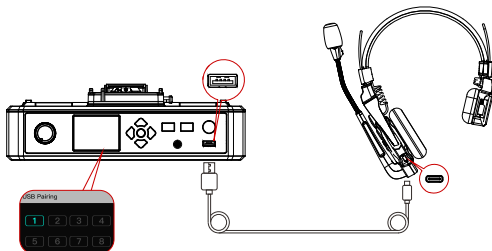
The HUB Base and Remote Headsets that come in one system package will auto pair up right out of box. Manual pairing is only required when there is a need for adding or changing headset or HUB base to the system.

Connect the HUB Base and the Headset with a USB-C Cable.

Pairing requires a USB-C cable.

Connect one end to the USB interface on the HUB Base's front panel, and the other end to the USB-C interface of the headset.

The HUB Base screen will display the Select Number interface. Locate the designed headset number with the arrow keys, and press the round Menu/Confirm Button to complete number setting and pairing.

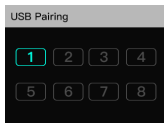
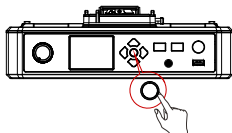


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Headset(s) Number Setting via HUB Base

When re-pairing and numbering the headset, be sure to turn on all the headsets to avoid selecting duplicate numbers, which may lead to connection failure with other headsets.

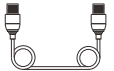
In case of wrong numbering of a headset, simply connect it to the HUB with the USB cable and operate the pairing and numbering process again.



Cascade Connections

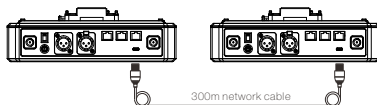
Multiple intercom systems can be cascaded to expand the number of intercom headsets. The Solidcom C1 HUB Base supports two cascading methods, 4-wire analog and IP digital signal cascading. Generally, using 4-wire analog mode to cascade is recommended when cascading two intercom systems. If three or more sets are cascaded, it is recommended to use IP digital signal cascade.

It is recommended to use CAT5e super five network cable and RJ45 crystal head with 568B sequence standard for cascade connection.

Standard Network Cable	Cable Spec	Max. Length
	CAT 5e CAT 6e	300m

Two Systems Cascade via 4-Wire Interface

Use a standard network cable to connect two HUB bases through the 4W interface. The network cable is generally up to 300 meters long.

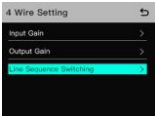
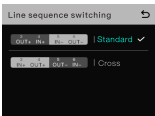
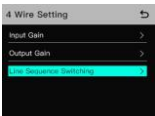


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4 Wire Settings

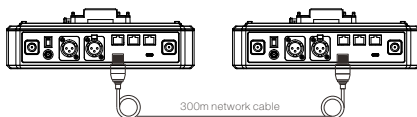
After connecting the two systems with the network cable, configure each HUB Base's line sequence by entering "4 Wire Settings" and selecting "Line sequence switching". Set the first HUB Base to "Standard mode" and the second HUB Base to "Cross mode".

HUB Display Interfaces

HUB ①	Enter "4 Wire" menu, and select "Line sequence switching"	Set to "Standard mode"
4 Wire Settings		
HUB ②	Enter "4 Wire" menu, and select "Line sequence switching"	Set to "Cross mode"
4 Wire Settings		

Two Systems Cascade via IP Network

Use a standard network cable to connect the two systems through the RJ45 network port. Either one of the two RJ45 network ports on the HUB works. The network cable is generally up to 300 meters long.



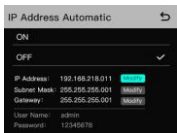
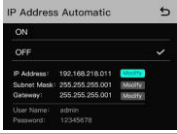
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HUB Settings

After connecting the two systems with the network cable, configure each HUB Base's basic settings as Master or Slave device. Generally, the first system is set as Master Device, and the second one as Slave Device.

In this case, you need to turn OFF the "Obtain IP address automatically" under "Network" settings on both the HUB Bases.

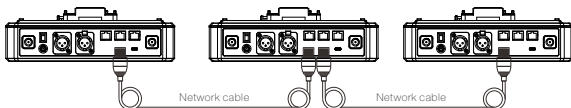
HUB Display Interfaces

HUB ①	Enter "Network" menu, and set the "Obtain IP address automatically" to OFF	Enter "Master and Slave" menu, and select "Master Device"
Network Settings		
HUB ②	Enter "Network" menu, and set the "Obtain IP address automatically" to OFF	Enter "Master and Slave" menu, and select "Slave Device"
Network Settings		
	Tap "Scan" to enter. The screen will display the Master Device's IP address. Use the Arrow Key to locate the IP address, and press Confirm.	

Three Systems Cascade via IP Network

Cascade Connection Method

When cascading three systems, it is recommended to use the IP network connection. Set the first system's HUB to Master Device and the second and third HUBs to Slave Device.



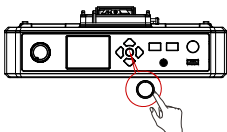
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Group Settings

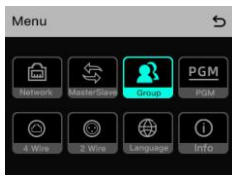
The HUB Base supports A and B grouping settings. You can view the system's current group setting by entering the Group menu on the HUB. To operate group settings, connect the computer and the HUB via the RJ45 interface using the network cable, and enter the Group settings menu. Or download the Solidcom APP on the mobile phone and connect to the HUB through WiFi to access the Group settings menu.

Check Group Settings on HUB

Viewing method:



Long press the Menu/Confirm Button to enter the Group settings menu

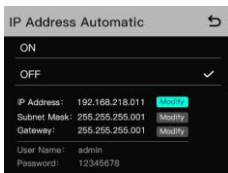


HUB Display Interfaces

Operate Grouping via Computer

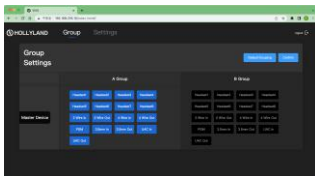
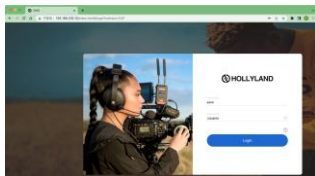
Enter the "Network" menu on the HUB, and select "Wired network settings" to view the HUB's default IP Address, User Name and Password.

Use a network cable to connect the computer and the HUB via the RJ45 network port. Set the IP address of the computer as [192.168.218.xxx], and the default IP address of the HUB as [192.168.218.10]



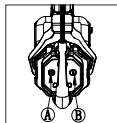
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Open the browser on the computer and visit <http://192.168.218.10> to enter the configuration page of the HUB.



A & B Group Buttons on Headset(s)

After entering Group setting on the HUB, the A and B Buttons on the connected headset will light up. The buttons light status indicates which group the headset has joined. Press the A or B Button on the headset to Join/Enter the corresponding group.



A and B Button Light Status	Status
Light ON	When the A or B Button lights ON, it indicates the headset has joined the corresponding group and can converse with the other headset(s) in the same group.
Light OFF	When the A or B Button lights OFF, it indicates the headset has exited the corresponding group.

Parameters

Range	350m (1000ft) Line-of-Sight
Frequency Information	Frequency band: 1.9GHz DECT (varies by country and region) Modulation mode: GFSK Transmit power: 20.79dBm (varies by country and region) Frequency band: 5190MHz Modulation mode: OFDM Transmit power: 9.10dBm Receiving sensitivity: <-90dBm
Transmission Latency	<35ms
Battery Capacity	700mAh (2.66Wh) Li-Ion battery
Headset Runtime	Remote headset: $\approx$ 10h
Charging Time	$\approx$ 2.5h
Frequency Response	150Hz~7kHz
Signal-to-Noise Ratio	>55dB
Distortion	<1%
Microphone Type	Electret
Maximum Input Sound Pressure Level	Electret
Output Sound Pressure Level	Typical 98 $\pm$ 3dB SPL (at 94dB SPL 1kHz)
HUB Base Netweight	$\approx$ 1300g (antennas excluded)
Net Weight	$\approx$ 170g (batteries included)
Temperature Range	Working status: 0~+45°C Storage status: -20~+60°C

Note: The frequency band and transmit power varies by country and region.

Safety Precautions

Do not place the headsets near or inside heating devices (including but not limited to microwave ovens, induction cookers, electric ovens, electric heaters, pressure cookers, water heaters, gas stoves) to prevent the battery from overheating and exploding.

Never use non-original charging cases, cables and batteries with the product.

The use of non-original spare parts 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:

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.com



www.hollyland-tech.com

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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 equipment. This device complies with Part 15 of the FCC Rules. Operation is 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 operation.

Note: This equipment 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 equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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 separation between the equipment and receiver.
- Connect the equipment into 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.