



# **Solidcom C1 Pro - Roaming Hub**

## **User Manual**

V1.0

## 1.1 Key Features

- The full-duplex headsets enable simultaneous communication without the need to press buttons, with a communication range of 500m (1,600ft) between the headset and the hub.
- The hub can support up to 20 headsets, is compatible with older headset models, supports 6 groups, and can be quickly configured via a mobile app or webpage.
- Supports roaming. When two hubs are cascaded via IP, headsets that move out of the coverage area of one hub automatically connect to the other hub, ensuring extendable communication.
- Delivers high-quality audio free of background noise, with a frequency response range of 100 Hz - 7 kHz, a signal-to-noise ratio greater than 55dB, and a distortion rate of less than 1%.
- Features ENC dual-mic noise cancellation technology, providing higher quality communication in noisy environments.
- Operates on the 1.9 GHz frequency band, and complies with regulations across different countries and regions.
- Boasts various ports, such as a LAN port and a 4-wire port, supports cascading between hubs, and is compatible with third-party audio devices.
- The hub supports multiple power supply methods, including V-Mount batteries, G-Mount batteries, and 12V/2A DC power.
- The hub can connect to a computer via USB to achieve UAC functionality, allowing integration with remote conferencing software.
- The hub supports multiple upgrade methods, including OTA and webpage, and the headsets can be upgraded by connecting them to the hub via USB.

# Product Introduction

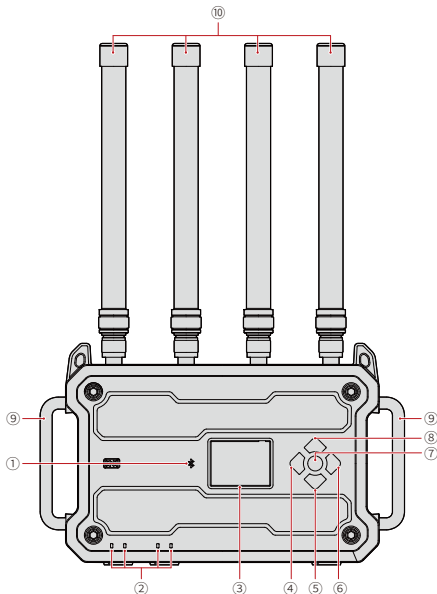
## 1.2 Packing List



Item	10S	20S
① Hub	1	1
② Remote Headset	10	20
③ Lithium Battery	20	40
④ 8-Slot Charging Case	1	3
⑤ Over-Ear Earmuff	10	20
⑥ On-Ear Earmuff	10	20
⑦ Ear Pad	10	20
⑧ Mic Cushion	10	20
⑨ USB-A to USB-C Cable	1	1
⑩ 12V/2A Power Adapter	1	3
⑪ Antenna	4	4
⑫ Sticker	1	2
⑬ User Manual	2	2
⑭ Packing List Card & Warranty Card & Compliance Information	1	1

# Product Introduction

## 1.3 Product Overview



① Bluetooth Indicator

② IP Indicator

③ Display Screen

④ Left Button

⑤ Down Button

⑥ Right Button

⑦ Menu/Confirm Button

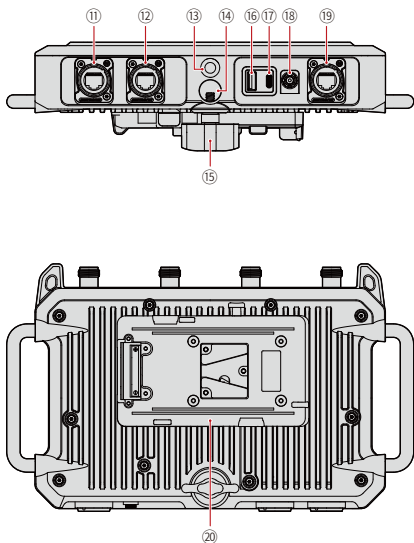
(Long press to enter menu;  
press to confirm)

⑧ Up Button

⑨ Handle

⑩ RF Antenna

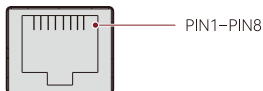
## Product Introduction



- |                      |                                    |
|----------------------|------------------------------------|
| ⑪ RJ45 Port 1        | ⑯ USB-A Port (for headset pairing) |
| ⑫ RJ45 Port 2        | ⑰ USB-C Port (for UAC audio)       |
| ⑬ 3/8" Threaded Hole | ⑱ DC Input                         |
| ⑭ 5/8" Threaded Hole | ⑲ RJ45 Port 3 (4-wire)             |
| ⑮ Limit Knob         | ⑳ V/G-Mount Battery Plate          |

# Product Introduction

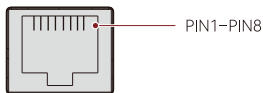
## RJ45 1/2 Pinout



RJ45

Standard Pinout			
PIN1	Transceive Data+	PIN5	CLK 100Hz-
PIN2	Transceive Data-	PIN6	Receive Data-
PIN3	Receive Data+	PIN7	CLK GND
PIN4	CLK 100Hz+	PIN8	CLK GND

## RJ45 3 Pinout



4 WIRE

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

Crossover Pinout			
PIN1	GND	PIN5	AUDIO IN-
PIN2	GND	PIN6	AUDIO OUT-
PIN3	AUDIO OUT+	PIN7	GND
PIN4	AUDIO IN+	PIN8	GND

## Specifications

	Hub
LOS Range	1,600ft (500m)
Transmit Power	$\leq 21$ dBm
Bandwidth	1.728 MHz
Modulation Mode	GFSK
Frequency Response	100 Hz - 7 kHz ( $\pm 3$ dB) @1 kHz
Receiver Sensitivity	$\leq -90$ dBm
SNR	$> 55$ dB
Distortion	$< 1\%$
Antenna Gain	4 dBi (all directions)
DC Voltage Range	7 - 30V, $< 1$ A@12V
V/G Mount Battery Voltage Range	11 - 30V, $< 1$ A@12V
Power Consumption	$< 1$ A@12V
Dimensions	302mm $\times$ 181.52mm $\times$ 63.6mm
Weight	1,797.5g (63.4oz)
Temperature Range	-10 - 45°C (working) -20 - 60°C (storage)