



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

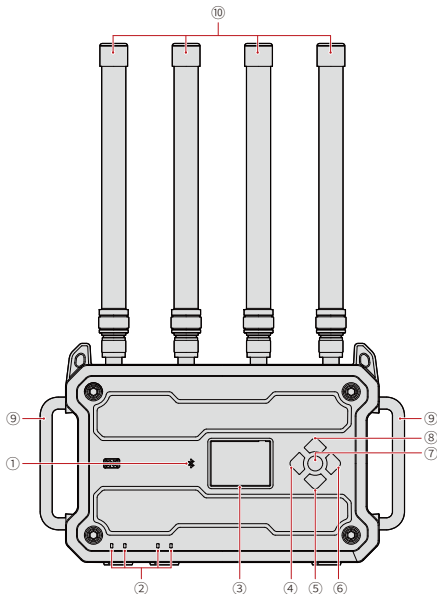
1.2 Packing List



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

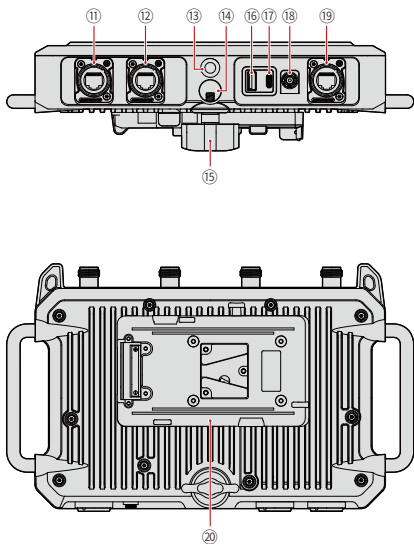
(Long press to enter menu;
press to confirm)

⑧ Up Button

⑨ Handle

⑩ RF Antenna

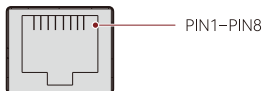
Product Introduction



- | | |
|----------------------|------------------------------------|
| 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	≤ 21 dBm
Bandwidth	1.728 MHz
Modulation Mode	GFSK
Frequency Response	100 Hz – 7 kHz (± 3 dB) @1 kHz
Receiver Sensitivity	≤ -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)