



Solidcom ANT01

Quick Guide

V0.1

■ Safety Instructions

For safety purposes, please read the following safety precautions before using the device to ensure proper product usage:

- Do not install the device near or inside heating appliances, cooking equipment, high-pressure containers (such as microwaves, induction cookers, electric ovens, electric heaters, pressure cookers, water heaters, gas stoves, etc.) to prevent battery overheating and explosion.
- Use only original manufacturer-certified chargers, cables, and batteries. Unauthorized or incompatible accessories may cause electric shock, fire, explosion, or other hazards.
- Prevent the power cord from being stepped on or squeezed, especially at the plugs, sockets, and extended sections.
- Disconnect the power plug during thunderstorms or when the device is not in use for extended periods.
- Do not disassemble the device unless directed by qualified manufacturer technicians.
- All repairs must be performed by authorized service personnel.

Key Features

- The central station and antenna module feature a modular design. The central station supports cascading up to 8 antennas, while each antenna can operate independently without the central station. In standalone mode, antennas allow cascading of up to 3 units. Each antenna accommodates connections with 20 beltpacks, enabling flexible network configurations to achieve full-duplex communication for 10–50 beltpacks.
- The antenna delivers a 500-meter wireless coverage radius, with 8 antennas cascaded covering an area larger than 400 football fields. Seamless roaming cascade between antennas ensures uninterrupted connectivity, allowing beltpacks to move freely within the coverage zone without signal dropout.
- The beltpack features four dedicated call buttons and one reply button. Each call button supports binding with up to 4 audio channels. A single beltpack can support full-duplex communication with up to 16 audio sources simultaneously.
- The system supports storage of up to 100 group configurations, 100 role presets, and 100 beltpack profiles, enabling customized communication logic for diverse client scenarios while eliminating repetitive system configuration tasks.
- Ultra-compact beltpack (net weight: 300g) with integrated Bluetooth 5.3 module. Compatible with mainstream wireless headsets, enabling cable-free operation on set.
- Auto-Cascade enables plug-and-play connectivity between Geo Central Station and Solidcom ANT01 Antenna via Ethernet, requiring zero IP configuration or manual network parameter setup.
- The beltpack features fast pairing via the charging base. By cascading the charging base into the central station/antenna network, automatic pairing and one-click system configuration deployment can be achieved, significantly improving the efficiency of configuring large-scale systems.
- The Geo Central Station/Solidcom ANT01 Antenna supports WiFi/Bluetooth connectivity with PCs and mobile devices. Wireless access via web configuration interface and dedicated APP enables remote adjustment of system parameters.
- The system configuration document supports local import and upload, as well as cloud-based virtual configuration. This enables remote system configuration design, which can be saved locally for later on-site upload, significantly improving

Key Features

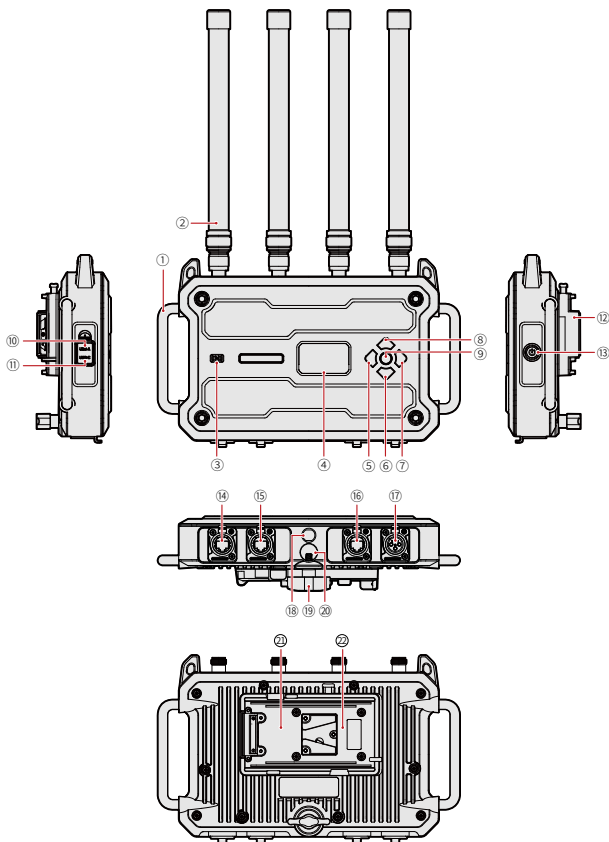
workflow efficiency.

- The central station features a built-in 4×4 DANTE port, enabling direct integration of the intercom system into the on-site DANTE/AES67 network.
- The intercom system enables remote configuration access via web interface, allowing technical support personnel to provide real-time assistance over internet connections for on-site issue resolution.
- Systems equipped with the Geo Central Station support remote access for up to 8 cloud-based APP users, while systems solely equipped with the Solidcom ANT01 Antenna still support remote access for up to 4 cloud-based APP users. Real-time global access from any location is achievable via the internet.
- The beltpack (IP65-rated) and antenna (IP54-rated) provide water and dust resistance, enabling reliable operation in rain or adverse weather conditions.
- The beltpack system features replaceable batteries and includes a standard charging base capable of simultaneously charging 10 beltpacks or 10 individual batteries, with each battery providing 12+ hours of continuous operation.
- The professional intercom headset features a 0B10 interface, combining rugged durability with ergonomic comfort. Equipped with Dual-Mic ENC (Environmental Noise Cancellation), it delivers high-quality audio communication in noisy environments.

* The related data is based on Hollyland laboratory test results.

Product Overview

Product Interfaces



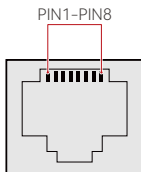
Product Interfaces

1. Handle
2. Fiberglass Antenna
3. Battery Connector Component (visible after battery plate removal)
4. Display Screen
5. Left Button
6. Down Button
7. Right Button
8. Up Button
9. Menu/Confirm Button
10. USB-A Port (for device pairing/upgrade)
11. USB-C port (for UAC audio)
12. V/G-Mount Battery Plate
13. Power Switch (with LED indicator)
14. POE IN/LAN (RJ45)
15. POE OUT/LAN (RJ45)
16. 4-Wire Audio Interface (RJ45 with lock)
17. 2-Wire Audio Interface (3-Pin XLR F)
18. 3/8" Mount Hole
19. 5/8" Mount Hole
20. Quick-Release Knob
21. 3/8" Mount Hole*2 (visible after battery plate removal)

Product Overview

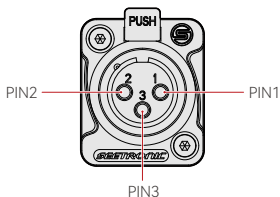
Interfaces

LAN Interface:



Standard Pinout			
PIN1	-POWER	PIN5	+POWER
PIN2	-POWER	PIN6	+POWER
PIN3	+POWER	PIN7	-POWER
PIN4	+POWER	PIN8	-POWER

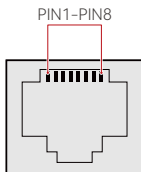
2-Wire Audio Interface:



PIN1: GND
PIN2: DC POWER(30V)/AUDIO
PIN3: AUDIO

4-Wire Audio Interface:

Input Impedance: 10K Ω



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

■ Home Page Introduction

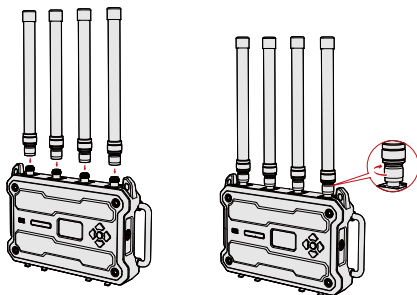
1. Master/Remote Identifier
2. Antenna Name
3. Roaming Status (visible: on, hidden: off)
4. Network Connection Status (visible: connected, hidden: disconnected)
5. Beltpack Battery Level
6. Left Ethernet Port Status (white: connected, gray: disconnected)
7. Right Ethernet Port Status (white: connected, gray: disconnected)
8. Wi-Fi & Bluetooth Status (white: on, gray: off)
9. Power Status: POE/power supply (voltage displayed)
10. Beltpack Role
11. Beltpack Signal Strength
12. Beltpack ID
13. Beltpack Status: Talk/Mute
14. Beltpack Name (displays beltpack ID if unnamed)

Note:

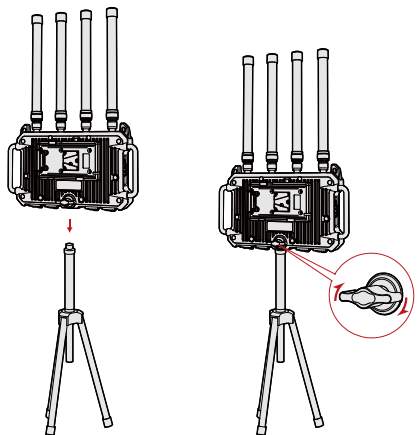
- A single Antenna supports up to 10 connected beltpacks, with their information displayed.
- Use short presses of the Up/Down buttons to page through the list.
- Disconnected beltpacks are not displayed in the list.

Installation

1. Install the antennas as shown in the diagram.



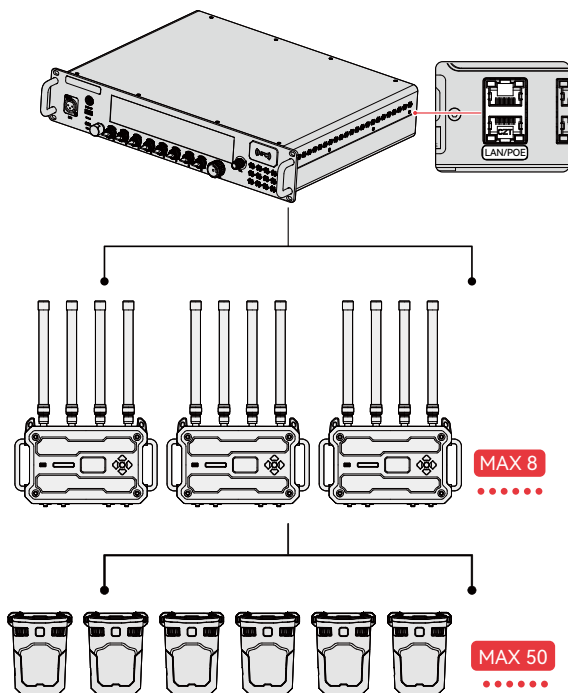
2. Mount the device on the tripod and secure it.



Connection

Integrated Mode

A single central station supports cascading up to 8 antennas. Antennas can be daisy-chained via POE-powered network ports on the rear of the central station, with each POE port supporting up to 3 antennas. Alternatively, antennas can be powered separately via an adapter and connected to the standard network ports on the central station. In this mode, up to 50 belt packs can be simultaneously online with full-duplex communication.



Standalone Mode

- Multi-RRU cascading system

1. Standalone operation

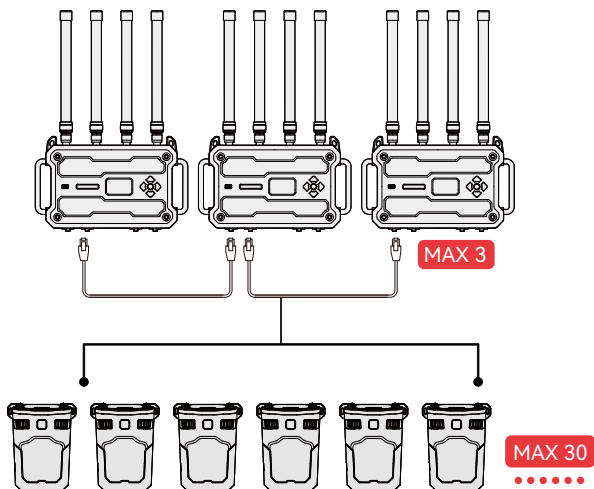
- Max 3 cascaded antennas without central station
- Each antenna provides POE-powered LAN ports (1 set per unit)

2. Power distribution

- Single POE adapter drives 3 antennas

3. System capacity

- Supports 30 concurrent beltacks
- Guarantees full-duplex communication



Connection

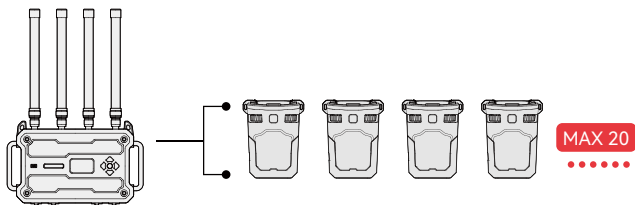
- Single-RRU operation

1. Capacity

- Supports 20 concurrent beltpacks
- Full-duplex communication

2. Power configurations

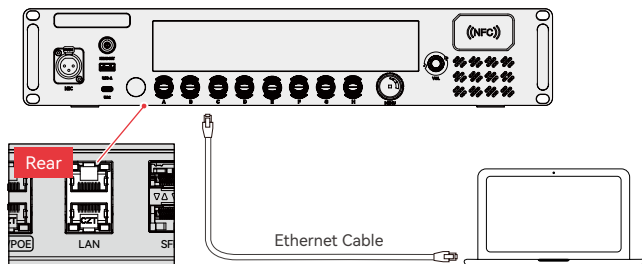
- Power can be supplied via a POE adapter or a V/G mount battery. Please note that when using battery power, the official battery mounting plate must be installed on the back of the antenna.



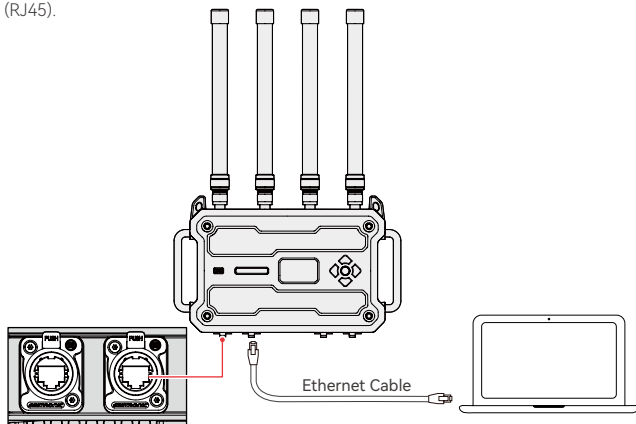
System Configuration

Web Configuration

1. Connect the rear LAN port (RJ45) of the central station to the PC Ethernet port using a standard RJ45 cable.

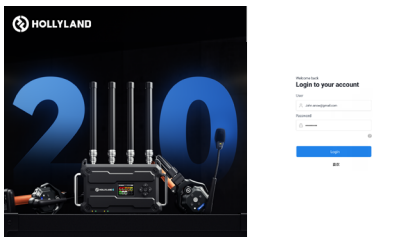


Alternatively connect the PC Ethernet port directly to any antenna's LAN port (RJ45).



System Configuration

2. Configure the computer's IPv4 settings to match the central station's subnet. Launch the default browser, enter the central station's IP address, and navigate to the web login interface.



3. Log in using [Default username: admin; Default password: 12345678] or custom credentials to access the web-based system configuration interface.

App Configuration

1. Download the "HOLLYVOX" app.



2. Enable Bluetooth on your phone, search for a Bluetooth device starting with "HLD," and tap to connect.
3. Open the "HOLLYVOX" app, wait for the software to fully load, then tap "Connect" to start configuring the central station.

Specifications

Solidcom ANT01	
Model	Solidcom ANT01
Product Name	Full-Duplex Wireless Intercom System
LOS Range	350m
Operating Frequency	BT/BLE: 2402-2480MHz 2.4G Wi-Fi: 2412-2462MHz DECT: 1921.536-1928.448MHz
Transmit Power	19.69dBm(Module 1) 19.42dBm(Module 2)
Bandwidth	1.728 MHz
Modulation Mode	GFSK
Receiver Sensitivity	-90 dBm
Antenna Gain	3.77 dBi
Power Consumption	15.5W
POE Output Power	≤ 45W
POE Input Power	≤ 60W
V/G Mount Battery Voltage Range	9 - 30V
Dimensions	302mm × 188.56mm × 74.5mm
Weight	1987g
Ingress Protection (IP) Rating	IP54
Operating Temperature	-10 - 45°C
Storage Temperature	-20 - 60°C

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, and (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.

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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Safety Precautions

Do not place the device 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. Use the original charger, data cables, and batteries provided with the product. Using unauthorized or incompatible chargers, data cables, or batteries 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

 HollylandTech

 HollylandTech

 support@hollyland.com

 www.hollyland.com

Statement

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Note:

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HOLLYVIEW

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