



Solidcom BPK01 Battery Charging Base

Quick Guide

V1.0

EN Please read this Quick Guide carefully. We wish you a pleasant experience. To obtain Quick Guide information in other languages, please scan the QR code below.



■ 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 10–80 beltpacks.
- The antenna delivers a 500-meter wireless coverage radius, with 8 antennas cascaded covering an area larger than 900 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 80 beltpack profiles, enabling customized communication logic for diverse client scenarios while eliminating repetitive system configuration tasks.
- Ultra-compact beltpack (net weight: 305g) with integrated Bluetooth 5.2 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.

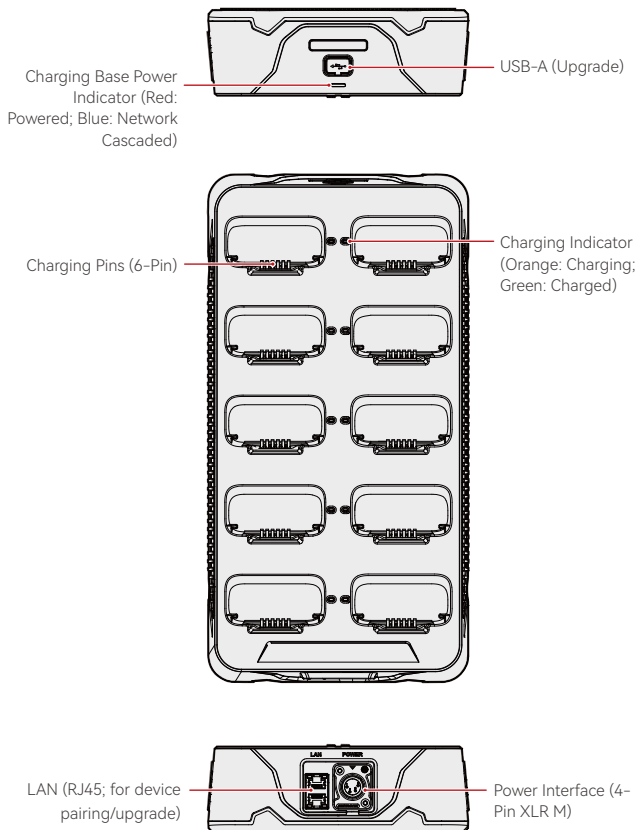
Key Features

- 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 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 15+ 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.

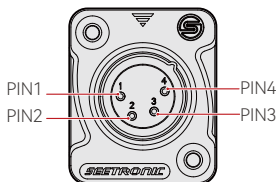
Product Overview

Product Interfaces



■ Interfaces

Power Interface:



PIN1:GND

PIN2:GND

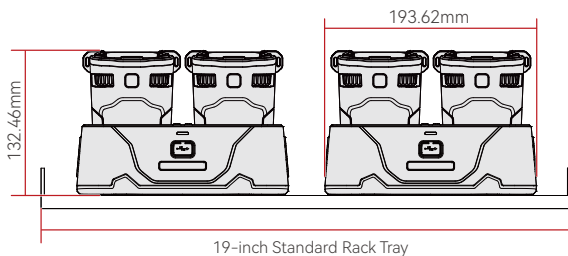
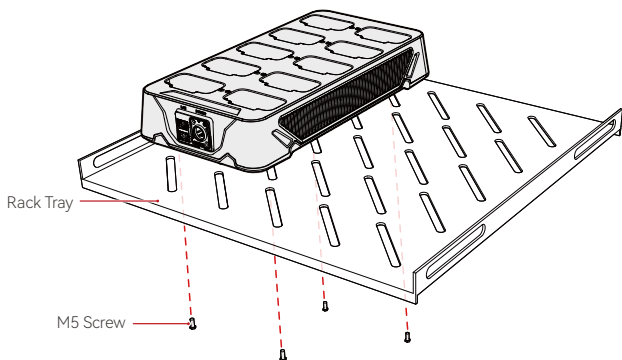
PIN3:VCC

PIN4:VCC

Installation

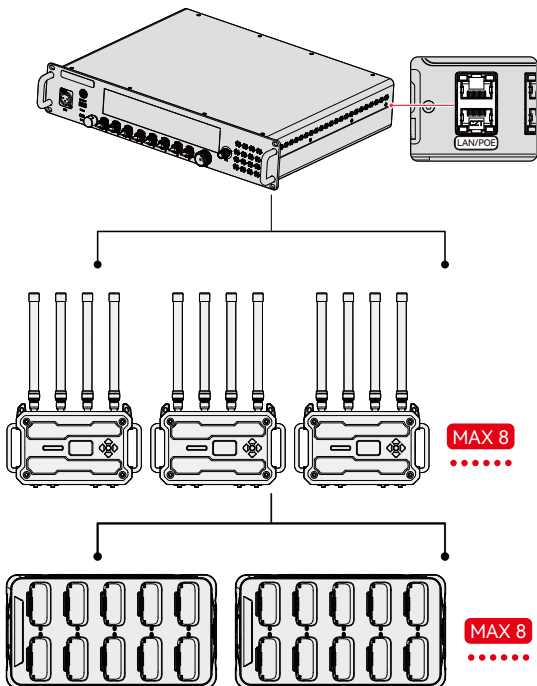
Charging Base Installation

M5 screw holes are embedded on the bottom of the charging base, which can be used to fix the base in a 19-inch standard rack tray. The width of the tray is specially designed to allow two charging bases to be installed side by side in one tray.



■ 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 80 belt packs can be simultaneously online with full-duplex communication.



Standalone Mode

- Multi-RRU cascading system

1. Standalone operation

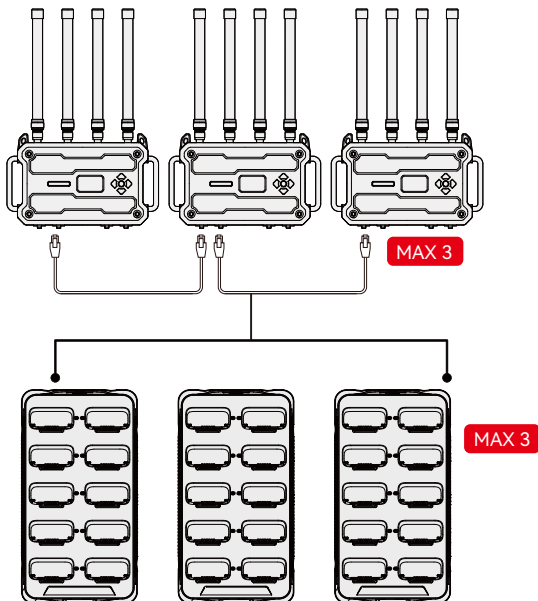
- Max 3 cascaded antennas without central station
- Each antenna provides POE-powered LAN ports (1 set per unit)

2. Power distribution

- Single POE adapter drives 3 antennas

3. System capacity

- Supports 30 concurrent beltpacks
- Guarantees full-duplex communication



Connection

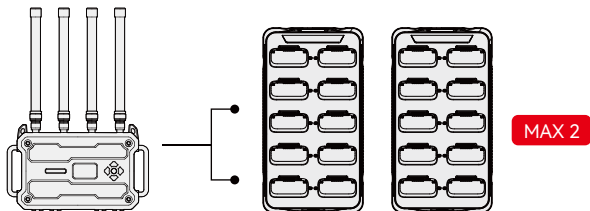
- Single-RRU operation

1. Capacity

- Supports 20 concurrent beltpacks
- Full-duplex communication

2. Power configurations

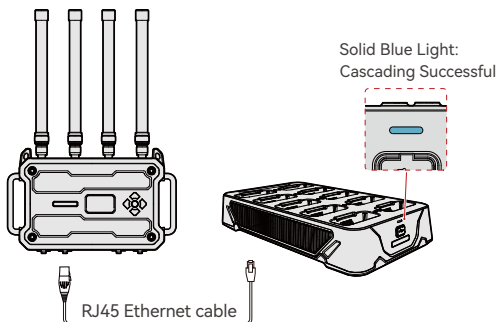
- Power can be supplied via a POE adapter or a V/G mount battery. Please note that when using battery power, the official battery mounting plate must be installed on the back of the antenna.



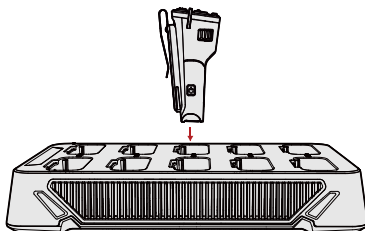
■ Charging Base Pairing

This product supports automatic pairing with the antenna via the charging base:

1. Ensure that both the antenna and the charging base are powered on and functioning normally. Use a standard RJ45 Ethernet cable to connect the antenna to the charging base. Once successfully cascaded, the front indicator light of the charging base will turn solid blue.



2. Insert the backpack vertically into the cascaded charging base. After approximately 3 seconds, the backpack will automatically pair with the current cascaded system.



Specifications

Solidcom BPK01 Battery Charging Base	
Model	Solidcom BPK01 Battery Charging Base
Product Name	Full-Duplex Wireless Intercom System
Output Voltage	5.2V
Output Current	1.15A
Output Power	62W (for 10 Beltpacks)
Charging Time	3.5h (for 10 Beltpacks)
Maximum Data Rate	95.8 Mbps
Dimensions	377.79mm × 193.62mm × 65.58mm
Weight	1455g
Operating Temperature	-10~45°C
Storage Temperature	-20~60°C

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

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