Professional Multi-Chaining Conferencing System

S330 Series

Attentions

This manual introduces the functions, installations and operations for S330 Professional Multi-Chaining Conferencing System in details. Please read this manual carefully before installation and use.

1. How to Use

To prevent damage to this product or any products connected to it, this product can only be used within the specified range.

• Do not expose the product to rain or moisture.

• To prevent the risk of electric shock, do not open the case. Installation and maintenance should only be carried out by qualified technicians.

• Do not use the product beyond the specified temperature, humidity or power supply specifications.

2. Electrical Safety

Installation and use of this product must strictly comply with local electrical safety standards.

3. Handle with Care

Avoid damage to the product caused by heavy pressure, strong vibration or immersion during transportation, storage and installation.

4. Install with Caution

• Housing of this product is made of organic materials. Do not expose it to any liquid, gas or solids which may corrode the shell.

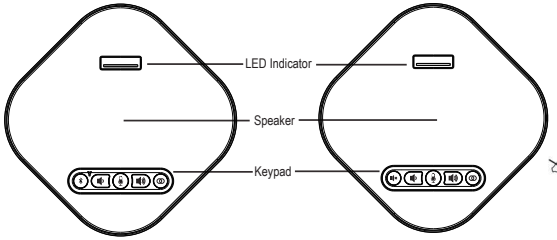
• Do not power on before completing installation.

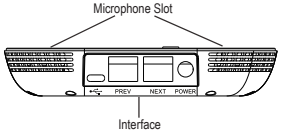
5. Do not Disassemble the Product without Permission

This product contains no parts which can be maintained by the users themselves. Any damage caused by dismantling the product by the user without permission is not covered by warranty.

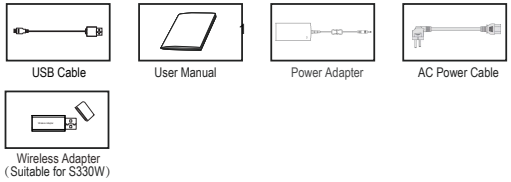
Product Overview

Unit Appearance

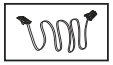




Master Parts list

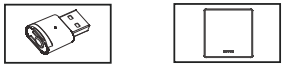


Slave Parts list



Optional Accessories

In order to meet the application of different scenarios, please purchase the following accessories to meet your needs.

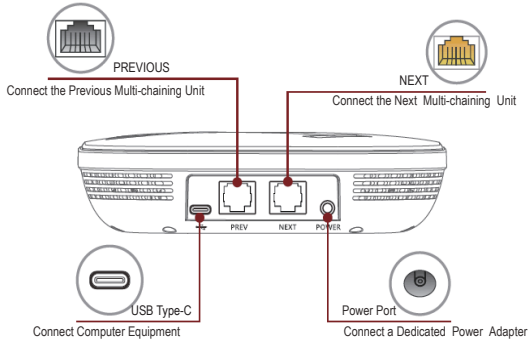


Bluetooth Adapter (Suitable for Bluetooth Version)

HUB (Suitable for S330 Series)

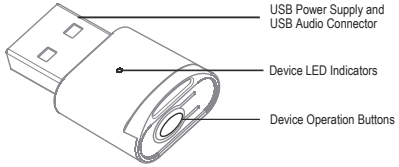
If any items are missing or damaged, contact your place of purchase immediately. Do not use damaged products!

Multi-chaining Conference System Interface Specification



Description of Optional Accessories

Bluetooth adapter: suitable for use within a distance of 10 meters from the terminal device, free of wiring



Description of LED indicator status:

Device LED Indicators	Fast flashing light	Device search pairing status
	Slow flashing light	Connected successfully

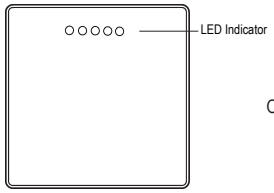
Description of operation buttons:

Description of operation buttons	double click	Device search pairing status
	Press and hold for 5 seconds	Clear pairing record

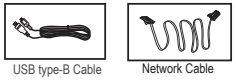
Description of Optional Accessories

HUB application: (1) When the analog communication interface LINE IN/OUT function needs to be used, it must be connected through the interface function of the HUB; (2) When long-distance wired network transmission is required, such as USB network and analog communication The network needs to be extended through the network cable of the HUB; (3) When the HUB is used, the S330 system can cascade up to 6 cascade units.

Appearance



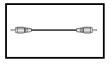
Standard Parts List



USB type-B Cable

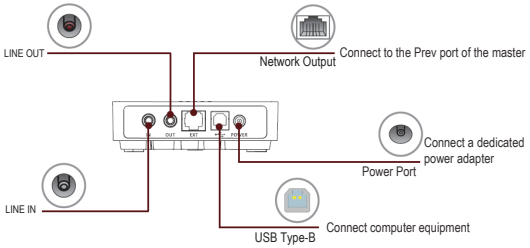
Network Cable

Optional Accessories



AV Cable (Optional)

Description of HUB interface



S330/S330W Keypad Function

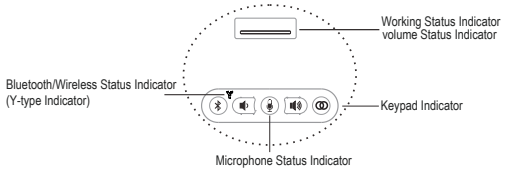
S330 Bluetooth Master Keypad

S330 Standard Master/Slave Keypad

S330W Wireless Master Keypad

	Volume	Turn down / up the volume
	Speaker mute	Turn on/off the speaker (Slave)
	Microphone mute	Turn on/off the Microphone
	Bluetooth	Press for 2 seconds to turn on the Bluetooth pairing status (green light flashing); the connection is successful (green light is always on)
	End/Answer call	Short press change to End/Answer call function

S330/S330W and LED Display Description



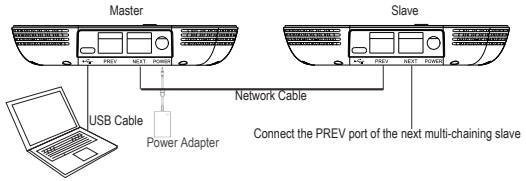
Multi-chaining Button Indicator	Orange light on	Master Status
	Blue light on	Slave Status
Microphone Status Indicator	Red light on	Microphone mute
	Green light on	Microphone working normally
Working Status Indicator/ Volume Status Indicator	Red light on	Microphone mute
	Green light on	Microphone working normally
	Green light flashing	Speaker mute
（Y-type Indicator） Bluetooth/Wireless Status Indicator	Green light flashing	Bluetooth/Wireless pairing status
	Green light on	Bluetooth/wireless is connected successfully

Note

When adjust the volume, the working status indicator will turn to the volume status indicator. The green light brightness of the volume status indicator will change with the speaker volume. When the speaker volume is greater, the green light brightness of the volume status indicator will be brighter. The lower the speaker volume , the brightness the green light of the volume status indicator will be darker

How to Connect the Multi-chaining Conference System

S330/S330W Series USB connection



USB Connection Steps:

1. Use the equipped USB cable to connect one end of the USB with the USB port of the computer or other communication equipment, and connect the other end with the USB port of the first level unit (Master).

2. Connect one end of the connection line with the NEXT interface of the first level linked unit (host) and the other end with the first. The secondary unit (slave)PREV interface is connected.

3. Use the equipped network connection line, connect one end of the connection line with the second level of linked unit (slave)NEXT port, and the other end with the third multi-chaining unit (slave)PREV port is connected, and so on.

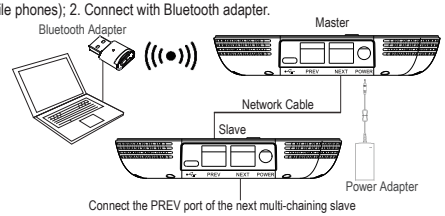
4. Connect the AC power cable to the power adapter, insert the adapter DC head into the power port of the multi-chaining master, and turn on the power supply.

✍Note: The multi-chaining conference system powered by POE. To properly use and protect the multi-chaining conference system, you must plug and remove the cable and install the multi-chaining conference system without power on

How to Connect the Multi-chaining Conference System

S330 Bluetooth Connection

Bluetooth connection can be divided into two ways: 1. Bluetooth connection with devices (such as mobile phones); 2. Connect with Bluetooth adapter.



Steps for Bluetooth connection:

1. Plug the equipped Bluetooth adapter into a computer or other communication device.

2. Connect one end of the connection line with the NEXT interface of the first level linked unit (master) and the other end with the PREV interface of the second level linked unit (slave) using the equipped network connection cable.

3. Use the equipped network connection cable, connect one end of the connection cable with the NEXT port of the second level linked unit (slave), connect the other end with the PREV port of the third multi-chaining unit (slave), and so on.

4. Connect the AC power cable to the power adapter, insert the DC connector of the adapter into the power port of the multi-chaining master, and turn on the power supply.

Bluetooth pairing connection steps:

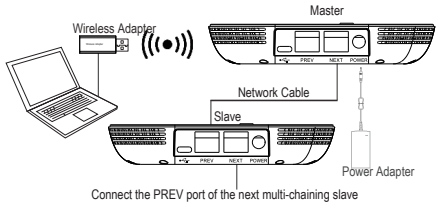
1. Press the "Bluetooth button" for 2 seconds to enable the Bluetooth pairing function when the master is in normal working state, and the green Y indicator flashes.

2. Insert the Bluetooth adapter into the computer or other device, and the adapter light flashes to enter automatic pairing mode.

3. Enter the automatic matching state, and about 10 seconds after the pairing is successful, (Y-type indicator light) will be on.

How to Connect the Multi-chaining Conference System

S330W Wireless Connection



Steps for 2.4G Wireless connection:

1. Plug the equipped wireless adapter into a computer or other communication device.

2. Connect one end of the connection line with the NEXT interface of the first multi-chaining unit (master) and the other end with the PREV interface of the second multi-chaining unit (slave) using the equipped network connection cable.

3. Use the equipped network connection cable to connect one end of the connection cable to the NEXT port of the second level interconnect unit (slave), and the other end to the PREV port of the third level interconnect unit (slave), and so on.

4. Connect the AC power cable to the power adapter, insert the DC connector of the adapter into the power port of the multi-chaining master, and turn on the power supply.

Wireless pair connection steps:

1. Insert a wireless adapter into a computer or other device.

2. After the master is turned on, the wireless status indicator (Y-type indicator) will be green for 5 seconds, indicating that the pairing is successful;

Multi-chaining Conference System Operation

1. Confirm all connections are correct before power on. When the Multi-chaining Conference System is connected to the computer or other equipment, it will automatically identify and load the driver.

2. Cascading mode,Automatic identification of master slave machine after wiring and power supply

3. After the Multi-chaining is successful, for the convenience of the area, the lights of the master and slave are different. The status indicator of the microphone stays the same. The Multi-chaining key indicator of the master changes to orange, and that of the slave changes to blue.

4. In the Multi-chaining state, the microphone status is synchronized. Press the microphone mute button to mute all the Multi-chaining Conference System. Unmute the microphone for all Multi-chaining Conference System。

5. The Multi-chaining Conference System of speaker mute button and volume plus or minus button is not synchronized.

6. Open the third-party conference software on the PC, and select the corresponding microphone and speaker driver models to enable audio conferences.

7. Please adjust the speaker and microphone volume comprehensively to ensure clear and smooth communication;

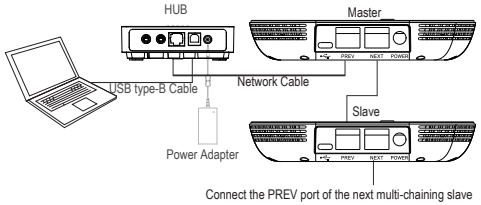
8. Please do not open the computer software speaker and microphone automatic gain;

9. Please give priority to turning off audio processing functions of computer software (such as turning off auto gain, echo cancellation,Noise cancellation, etc.)

10, please use computer software as far as possible with higher quality speech coding;

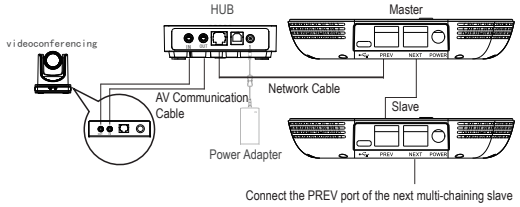
11. The Multi-chaining Conference System has no battery, through the network port cable to connect the power, namely start, unplug the network port cable power off.
Note: It is recommended that the Multi-chaining function be used in a conference room larger than 20 square meters.

Introduction of Connection by HUB



Analog Communication Interface Connection

The IN/OUT end connects to a computer or audio/video conferencing system:



S330 Core Features

1.Full-duplex deep echo cancellation, 48K wide-band voice call HD technology, microphone intelligent mixing, dynamic noise suppression, automatic gain technology.

2.Each multi-chaining unit has 4 built-in unidirectional microphones, with a pickup radius of 6 meters and an optimal collection distance of 4 meters; 360-degree omnidirectional pickup.

3. A maximum of 7 units can be multi-chaining, and a maximum of 6 units can be multi-chaining when using the HUB junction box to connect.

4.Multi-chaining unit distance up to 5 meters.

5.Support wireless transmission function, no need for any cable to connect video terminal, PC and other communication equipment, suitable for S330W wireless type.

6.Support USB, support video conferencing system, cloud video conferencing software platform, network conferencing platform.

7.Support analog communication LINE IN/OUT interface, connect external communication terminal through dedicated audio cable, especially suitable for traditional hardware video terminal

8.terminal, local professional audio equipment and analog communication equipment, this function requires the purchase of a HUB junction box to achieve.

9.Collaborative office function for multi-party calls: S330 has a built-in audio matrix, which can realize four-way calls of USB+Bluetooth+analog audio communication (LINE IN/ OUT), and can also realize four-way calls of USB+wireless transmission voice+analog audio communication, making it easy to conduct multi-party conferences , without resorting to other multi-party calling platforms or service providers.

10.Each S330 unit can be used independently and can work normally by connecting with a USB cable.

11.Speaker system adopts multi-core digital unit volume up to 85dB, 16-level speaker volume digital adjustment.

12.Mute microphone, volume up and down, answer/end call and other key functions

Warranty

Repair services for defects in materials and workmanship are available free of charge to retail customers who purchase a conference system, subject to or excluded from the terms listed below.

Warranty Period

The warranty period is from the date of sale. During the warranty period, if the following conditions are found, the warranty will be voided:
(1) The product is not stored, used, or damaged in a reasonable manner or as recommended by the user manual
(2) Use any modification kits, components, accessories not sold by the company to modify, change or use this product to repair defects or malfunctions that are covered by the warranty by an agent not authorized by the company;

Warranty Content

This warranty applies to the conference system and all standard accessories, excluding paper items such as storage cards, packaging and instructions.
User-Generated Data This warranty does not apply to loss or damage of user-generated data (including but not limited to this product number, address) that may be stored on your product.

Process for Obtaining Warranty Service

If the product purchased by the customer is subject to warranty, the customer can mail the equipment and the customer's proof of purchase (such as a copy of the sales invoice) to your equipment dealer in case of loss or damaged in the process.

Technical Specifications

Voice technical parameters	• Acoustic Echo cancellation(AEC): >60dB Echo length • cancellation: ≥500ms • Bidirectional noise compression(NC): <18dB Automatic • Direction finding Technology of Intelligent microphone(EMI) • Automatic gain control(AGC)
Audio parameters	• Microphone frequency response: 100Hz-22KHz • Speaker frequency response: 100Hz-22KHz • Built-in Microphone：Pick up range up to 6 meters，Bestvoice pick up 4 meters，360° • Speaker Power: Effective Power 3 W • Speaker volume: 85dB Max output
Multi-chaining parameters	• The number of cascades supported：Up to 7 Units • Power Supply：POE • Control mode: Any unit can control all multi-chaining units synchronously • Total delay of Multi-chaining voice signal: < 0.01ms
Compatibility	• Windows/Andriod/iOS/Linux
Working Environment and Specifications	• Reverberation time：＜0.5s • Noise Degree：＜－48 dBA • Power：AC100~240V, 50-60Hz, 48W • Working temperature：0℃-50℃（running status） • Working humidity：20%-85% • Certification：CCC, CE, FCC, RoHS

FCC WARNING

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 mustaccept 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 digitaldevice, pursuant to part 15 of the FCC Rules. These limits are designed to providereasonable 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.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or conjunction with any other antenna or transmitter.