



GRANDSTREAM GSC3516 IP Paging Speaker Installation Guide

[Home](#) » [GRANDSTREAM](#) » GRANDSTREAM GSC3516 IP Paging Speaker Installation Guide 



GSC3516
SIP/Multicast Talk-Back Speaker
Quick Installation Guide

Contents

[1 GSC3516 IP Paging Speaker](#)

[2 OVERVIEW](#)

[3 PRECAUTIONS](#)

[4 PACKAGE CONTENTS](#)

[5 HARDWARE INSTALLATION](#)

[6 Documents / Resources](#)

[6.1 References](#)

[7 Related Posts](#)

GSC3516 IP Paging Speaker

The GSC3516 is not pre-configured to support or make emergency calls to any type of hospital, law enforcement agency, medical care unit ("Emergency Service(s)") or any other kind of Emergency Service. You must make additional arrangements to access Emergency Services. It is your responsibility to purchase SIP-compliant Internet telephone service, properly configure the GSC3516 to use that service, and periodically test your configuration to confirm that it works as you expect. It is also your responsibility to purchase traditional wireless or landline telephone services to access Emergency Services.

GRANDSTREAM DOES NOT PROVIDE CONNECTIONS TO EMERGENCY SERVICES VIA THE GSC3516. NEITHER GRANDSTREAM NOR ITS OFFICES, EMPLOYEES OR AFFILIATES MAY BE HELD LIABLE FOR ANY CLAIM, DAMAGE, OR LOSS, AND YOU HEREBY WAIVE ANY AND ALL SUCH CLAIMS OR CAUSES OF ACTION ARISING FROM OR RELATING TO YOUR INABILITY TO USE THE GSC3516 TO CONTACT EMERGENCY SERVICES, AND YOUR FAILURE TO MAKE ADDITIONAL ARRANGEMENTS TO ACCESS EMERGENCY SERVICES IN ACCORDANCE WITH THE IMMEDIATELY PRECEDING PARAGRAPH. The GNU GPL license terms are incorporated into the device firmware and can be accessed via the Web user interface of the device at `my_device_ip/gpl_license`. It can also be accessed here: <http://www.grandstream.com/legal/opensource-software> To obtain a CD with GPL source code information please submit a written request to info@grandstream.com

OVERVIEW

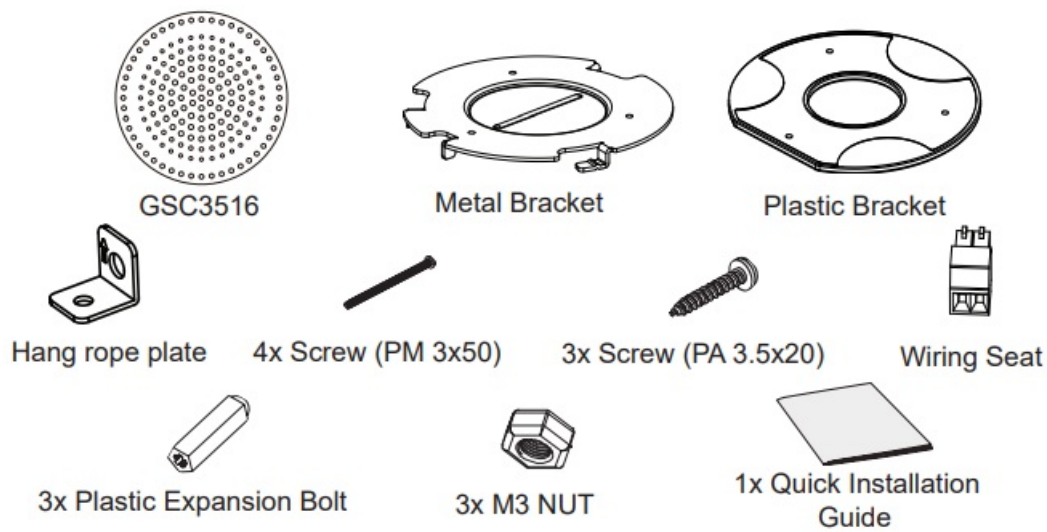
The GSC3516 is a SIP intercom speaker and microphone that allows offices, schools, hospitals, apartments and more to build powerful voice intercom solutions that expand security and communication. This robust SIP intercom device offers 2-way voice functionality with both a high-fidelity 15W HD speaker and 3 directional microphones with Multichannel Microphone Array Design (MMAD) and 1 omnidirectional auxiliary microphone that offer a 4.2 meter pickup distance. The GSC3516 supports a wide-range of peripherals including Bluetooth devices, built-in whitelist and blacklists to easily block unwanted calls, integrated dual-band Wi-Fi and advanced acoustic echo cancellation. By pairing the GSC3516 with other Grandstream devices, including desktop and cordless IP phones as well as the GDS series of Facility Access products, users can easily sculpt a state-of-the-art security and voice intercom solution. Thanks to its modern industrial design, cleanable exterior surface and rich features, the GSC3516 is the ideal intercom speaker/microphone for any setting.

PRECAUTIONS

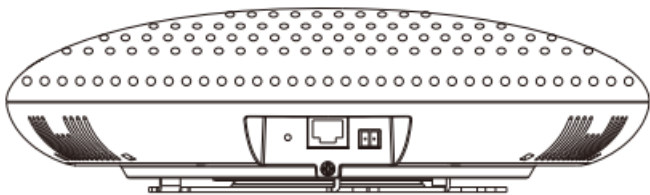
- Do not attempt to open, disassemble, or modify the device.
- Do not expose this device to temperatures outside range of 0 °C to 45 °C in operation and -10 °C to 60 °C in storage.
- Do not expose the GSC3516 to environments outside of the following humidity range: 10-90% RH (non-condensing).




- Do not power cycle your GSC3516 during system boot up or firmware upgrade. You may corrupt firmware images and cause the unit to malfunction.

PACKAGE CONTENTS



GSC3516 PORTS



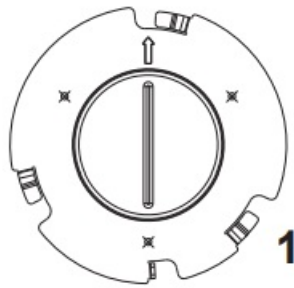
Port	Label	Description
	Reset	Factory reset button. Press for 10 seconds to reset factory default settings.
	NET/PoE	Ethernet RJ45 port (10/100Mbps) supporting PoE/PoE+.
	2-Pin port	2-pin multi-purpose input port.

HARDWARE INSTALLATION

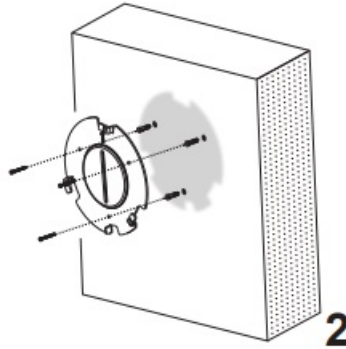
GSC3516 can be mounted on the wall or ceiling. Please refer to the following steps for the appropriate installation.

Wall Mount

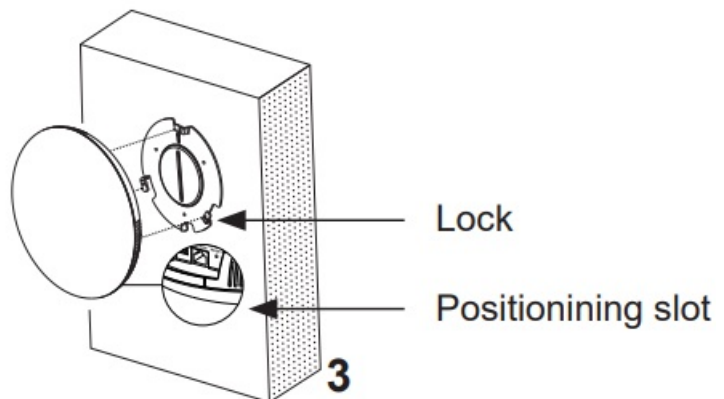
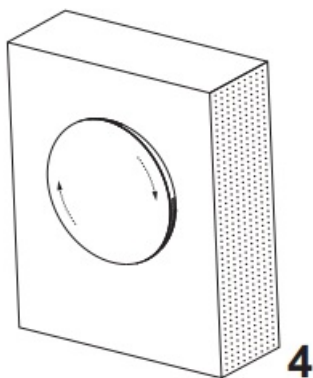
1. Locate the equipment holder on the desired position with arrow up. Drill three holes on the wall referring to the positions of holes on the metal bracket.



2. Fix the metal bracket on the wall by expansion screws.

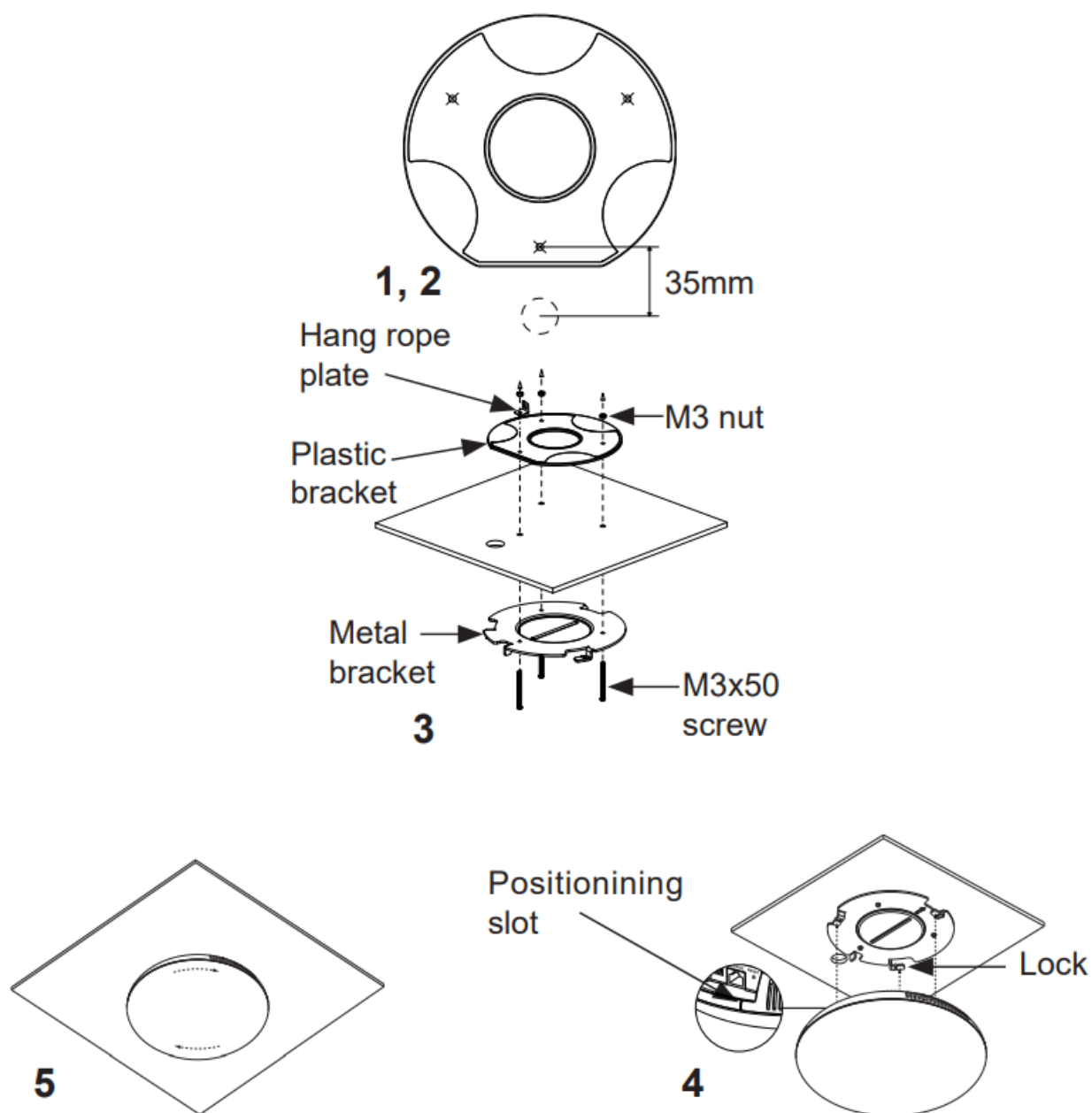


3. Align the position line on device's back cover with the positioning slot.
4. Rotate the device clockwise until it is locked on the right position.



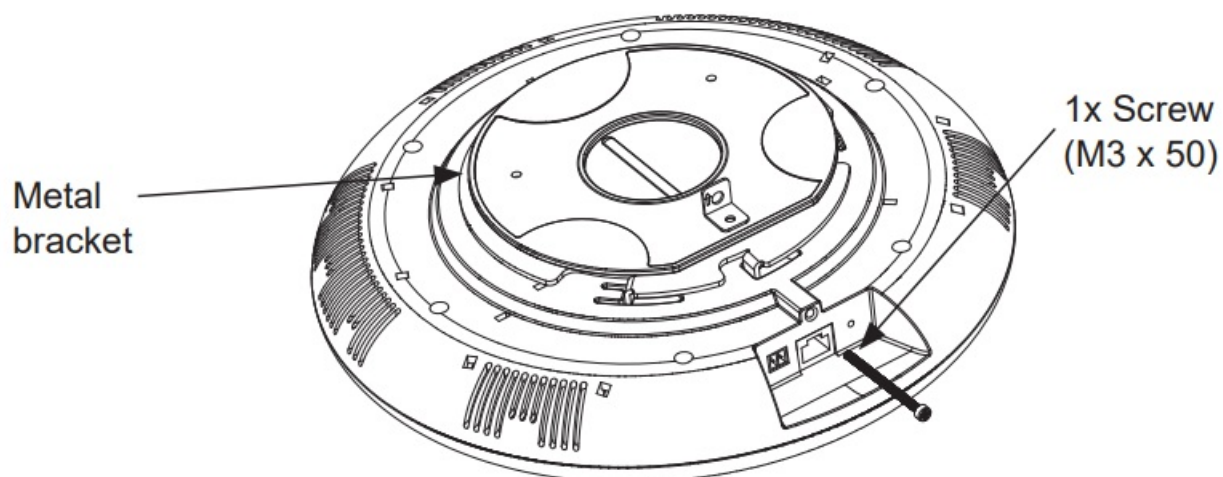
Ceiling Mount

1. Put the ceiling mounting (metal bracket) in the ceiling's center and mark the position of the three screw holes.
2. Drill a round hole with a diameter of 18mm for Ethernet cable. The distance between its center and the highlighted hole on the plastic bracket should be 35mm.
3. Fix the plastic and metal brackets on the ceiling with flat-head screws and locknuts. Then place an Ethernet cable pass through the 18mm-round hole.
4. Align the position line on device's back cover with the positioning slot.
5. Rotate the device clockwise until it is locked on the right position.



Anti-theft Installation

After the device is assembled with the metal bracket support on the wall or ceiling, use the anti-detachable screw (M3 x 50) in order to prevent theft.

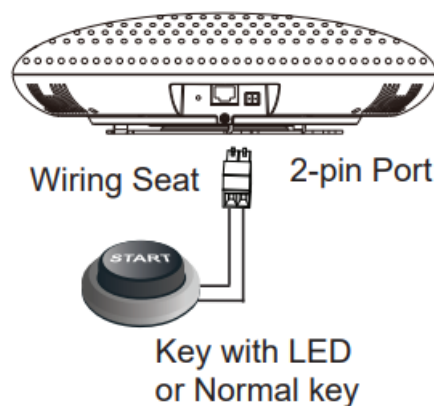
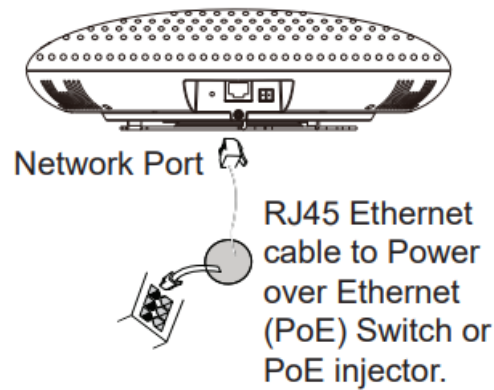


GSC3516 can be powered on using PoE/PoE+ switch or PoE injector using following steps:

Step 1: Plug a RJ45 Ethernet cable into the network port of the GSC3516.

Step 2: Plug the other end into the power over Ethernet (PoE) switch or PoE injector.

Note: It is recommended to use PoE+ power supply to achieve the best audio effect.



Connecting Wiring Seat

GSC3516 support to connect a “Key & LED” or “Normal Key” to 2-pin port via Wiring Seat.

Step 1: Take the wiring seat from the install kits.

Step 2: Connect the Key & LED or Normal Key with the wiring seat (as shown in the illustration on the right).

Note: This port supports the parallel connection of an incandescent lamp (with less than 1W) or an LED lamp (with less than 100mA).

ACCESSING THE CONFIGURATION INTERFACE

A computer connected to the same network as the GSC3516 can discover and access its configuration interface using its MAC address :

1. Locate the MAC address on the MAC tag of the unit, which is on the underside of the device, or on the package.
2. From a computer connected to same network as the GSC3516, type in the following address using the GSC3516's MAC address on your browser:

http://gsc_<mac>.local

Example: if a GSC3516 has the MAC address C0:74:AD:11:22:33, this unit can be accessed by typing

http://gsc_c074ad112233.local on the browser.



For more information, please download the GSC3516 User Manual from: <http://www.grandstream.com/support>

Common part:

This equipment complies with radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

U.S. FCC Part 15 Regulatory Information

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Canada Regulatory Information

Radio equipment

Operation of 5150-5250 MHz is restricted to indoor use only.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Regulatory Information

Operation of 5150-5350 MHz is restricted to indoor use only.

Support Frequency Bands and Power:

BT 2402-2480 MHz < 15 dBm;
BLE 2402-2480 MHz < 10 dBm;
WLAN 2412-2472 MHz < 20 dBm;
WLAN 5150-5250 MHz < 18 dBm;
WLAN 5250-5350 MHz < 18 dBm;
WLAN 5470-5725 MHz < 19 dBm;
WLAN 5725-5875 MHz < 14 dBm;

The simplified EU declaration of conformity referred to in Article 10(9) shall be provided as follows:

Hereby, [Grandstream Networks, Inc.] declares that the radio equipment type [GSC3516] is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

www.grandstream.com

Regulatory Information

Operation of 5150-5350 MHz is restricted to indoor use only.

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BT 2402-2480 MHz < 15 dBm;
BLE 2402-2480 MHz < 10 dBm;
WLAN 2412-2472 MHz < 20 dBm;
WLAN 5150-5250 MHz < 18 dBm;
WLAN 5250-5350 MHz < 18 dBm;
WLAN 5470-5725 MHz < 19 dBm;
WLAN 5725-5875 MHz < 14 dBm;

The simplified UK declaration of conformity referred to in Regulation 8& 14 shall be provided as follows:

Hereby, [Grandstream Networks, Inc.] declares that the radio equipment type [GSC3516] is in compliance with Directive RER 2017 (S.I.2017/1206)..

The full text of the UK declaration of conformity is available at the following internet address:

www.grandstream.com

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HU	MT	NL	AT	PL	PT	RO	SI	TR
SK	FI	SE	NO	IS	UK	UK(NI)		

In the UK and EU member states, operation of 5150-5350 MHz is restricted to indoor use only.



For Certification, Warranty and RMA information, please visit www.grandstream.com

Documents / Resources

	<p>GRANDSTREAM GSC3516 IP Paging Speaker [pdf] Installation Guide GSC3516 IP Paging Speaker, GSC3516, IP Paging Speaker, Paging Speaker, Speaker, GSC3516 IP Paging Speaker</p>
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References

- [🔗 Open Source Software](#)
- [🌐 Global Leader in Digital Customer Experience | Concentrix \(CNXC\)](#)
- [🌐 Global Leader in Digital Customer Experience | Concentrix \(CNXC\)](#)
- [🔗 Grandstream Networks - Networking & Unified Communications](#)
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