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GRANDSTREAM NETWORKS GSC3516V2 SIP Multicast Talk Back Speaker

PRODUCT INFORMATION

SIP/Multicast Talk-Back Speaker

GSC3516

The GSC3516 is a SIP/Multicast Talk-Back Speaker 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 whitelists, blacklists and greylists 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 it's modern industrial design, cleanable exterior surface and rich features, the GSC3516 is the ideal intercom speaker/microphone for any setting.

Ceiling Mount Installation

1. Hold the ceiling mount bracket against the ceiling or wall where the device will be installed.
2. Drill holes for the plastic anchors using the bracket as a guide.
3. Insert the plastic anchors into the holes.
4. Secure the bracket with the provided screws.
5. Attach the device to the bracket and rotate it into the final position.

FEATURES

- Full-duplex speakerphone with HD acoustic chamber, advanced acoustic echo cancellation
- 3 directional mics with MMAD & microphone beamforming array and 1 omnidirectional auxiliary microphone
- Full-band and wide-band audio codec support, including Opus & G.722
- Integrated dual-band 802.11 a/b/g/n/ac Wi-Fi and Bluetooth
- One 10/100Mbps network port with PoE/PoE+
- 2-pin multi-purpose input to support peripherals including call buttons

SPECIFICATION

- **Protocols/Standards**
  - SIP RFC3261, TCP/IP/UDP, RTP/RTCP, RTCP-XR,HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, LLDP-MED, SIMPLE, LDAP,TR-069, 802.1x, TLS, SRTP, IPv6, OpenVPN®
- **Network Interfaces**
  - One 10/100 Mbps port with integrated PoE/PoE+
- **Operating System Linux**
- **Bluetooth**
  - Yes, integrated. Bluetooth 2.1+Enhanced Data Rate (EDR)+ BT5.0
- **Wi-Fi**

- ○ Yes, dual-band 2.4 & 5GHz with 802.11 a/b/g/n/ac
- **Auxiliary Port**
  - ○ One 2-pin multi-purpose input port, Reset
- **Voice Codecs and Capabilities**
  - ○ G.711μ/a, G.722 (wide-band), G.726-32, iLBC, Opus, G.723, G.729A/B, in-band and out-of-band DTMF (In audio, RFC2833, SIP INFO), VAD, CNG, AEC, PLC, AJB, AGC, ANS
- **Telephony Features**
  - ○ SIP Paging, Multicast Paging, Group Paging, PTT, Call-waiting with priority override, Bluetooth SCO call
- **HD Audio**
  - ○ Yes, HD speakerphone with support for full band audio with 48KHz voice sampling frequency
- **Speaker**
  - ○ 15W high-fidelity HD speaker
  - ○ **Frequency**: 110Hz-20000 Hz
  - ○ **Sensitivity**: Up to 90 dBA at 1W power at 0.5 meter
- **Microphone**
  - ○ 3 directional microphones with beam-forming capability and 1 omnidirectional auxiliary microphone that offer a 4.2-meter pickup distance
- **QoS**
  - ○ Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
- **Security**
  - ○ User and administrator level passwords, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control, secure boot
- **Multi-language**
  - ○ English, German, French, Spanish, Portuguese, Russian & Chinese
- **Upgrade/Provisioning**
  - ○ Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload, mass provisioning using GDMS/TR069 or AES encrypted XML configuration file
- **Power & Green Energy Efficiency**
  - ○ Integrated PoE* 802.3af Class 3, PoE+ 802.3at Class 4
- **Temperature and Humidity**

- - **Operation**: 0°C to 45°C Storage: -10°C to 60°C,
  - **Humidity**: 10% to 90% Non-condensing
- **Package Content**
  - GSC3516 SIP/Multicast Talk-Back Speaker, mounting kits, quick installation guide
- **Physical**
  - **Unit Dimensions**: 257mm (diameter) x 68.5mm (depth)
  - **Unit Weight**: 0.92kg , Box Weight: 1.75kg
- **Compliance**
  - **FCC**: FCC 47 CFR Part 15 Subpart B;FCC 47 CFR Part 15 Subpart C;FCC 47 CFR Part 15 Subpart E. IC: ICES-003;RSS-247 Issue 2;RSS-Gen Issue 5;RSS-102 Issue 5. CE: ETSI EN 300 328;ETSI EN 301 893;ETSI EN 300 440;ETSI EN 301 489-1;ETSI EN 301 489-3;ETSI EN 301 489-17;EN 55032;EN 55035;EN IEC 61000-3-2;EN 61000-3- 3;EN IEC 62311;EN IEC 62368-1. UKCA: ETSI EN 300 328;ETSI EN 301 893;ETSI EN 300 440;ETSI EN 301 489-1;ETSI EN 301 489-3;ETSI EN 301 489-17;BS EN 55032;BS EN 55035;BS EN IEC 61000-3- 2;BS EN 61000-3-3;BS EN IEC 62311;BS EN IEC 62368-1. RCM: AS/NZS CISPR 32;AS/NZS 62368.1;AS/NZS 4268;AS/NZS 2772.2.
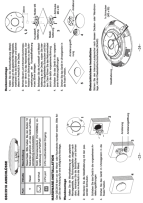
MORE INFORMATION

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- www.grandstream.com

FAQs

- **How do I reset the GSC3516?**
  - Press the reset button on the device to restore it to factory settings.
- **Can the GSC3516 be powered without PoE?**
  - Yes, the device can also be powered using a 12V power adapter.
- **Where can I find the MAC address for configuration?**
  - The MAC address is located on the label of the device.

Documents / Resources

	[GRANDSTREAM NETWORKS GSC3516V2 SIP Multicast Talk Back Speaker](#) [[pdf](#)] Instruction Manual GSC3516V2 SIP Multicast Talk Back Speaker, GSC3516V2, SIP Multicast Talk Back Speaker, Multicast Talk Back Speaker, Talk Back Speaker, Back Speaker

References

- [User Manual](#)

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