GRANDSTREAM
CONNECTING THE WORLD



GSC3502

Compact Multicast Paging Speaker

The GSC3502 is a compact and ceiling-mounted SIP paging speaker engineered for crystal-clear indoor communication. Powered by an integrated 8 W high-efficiency amplifier, it delivers pristine audio quality and exceptional speech intelligibility across any environment. Designed with convenience in mind, its dual network ports support daisy-chaining to simplify deployment and significantly reduce cabling demands. With versatile support for SIP calling, multicast, Push-to-Talk (PTT), and zone broadcasting, the GSC3502 offers a flexible and highly reliable communication solution. Sleek, feature-packed, and cost-effective, it is the perfect choice for offices, schools, retail spaces, and residential complexes.

Feature Highlights

Powered by a high-efficiency amplifier delivering stable and distortion-free sound transmission.

Integrated audio equalizer optimizes sound profiles to ensure exceptional voice clarity and speech intelligibility.

Supports up to 4 SIP accounts, multicast, group paging, Push-to-Talk (PTT), and audio priority scheduling to adapt to complex paging environments.

Dual network ports support data-level cascading and synchronized audio playback, simplifying cabling and enabling seamless coverage expansion.

Features support for both IEEE 802.3af PoE and local DC power input for simplified and versatile installation.

Cloud-based management provides total remote control of your devices beyond the local web UI.

Standard Deployment

Designed for effortless integration, the GSC3502 works smoothly with existing network devices, including switches, door stations, and IP cameras.

It supports SIP calling and multicast functionality to enable versatile group paging and site-wide broadcasting.

With built-in dual network ports for seamless data-level cascading, expanding speaker coverage across different zones is fast and simple, reducing cabling complexity to deliver an efficient and cost-effective indoor audio system.



Application Scenarios

The GSC3502 provides a complete indoor audio solution for public address and everyday communication, making it ideal for offices, schools, retail outlets, hotels, healthcare centers, and residential facilities.

Featuring robust support for SIP calling, multicast, and Push-to-Talk (PTT), it effortlessly serves office zones, conference rooms, and high-traffic common areas. Intelligent priority scheduling allows time-sensitive messages, such as campus bell schedules and emergency alerts, to take precedence automatically, while built-in equalizer ensures maximum speech intelligibility.

With its sleek form factor, dual-port cascading, and PoE operation, the GSC3502 simplifies deployment and scaling across any commercial space.



Hotels



Apartments



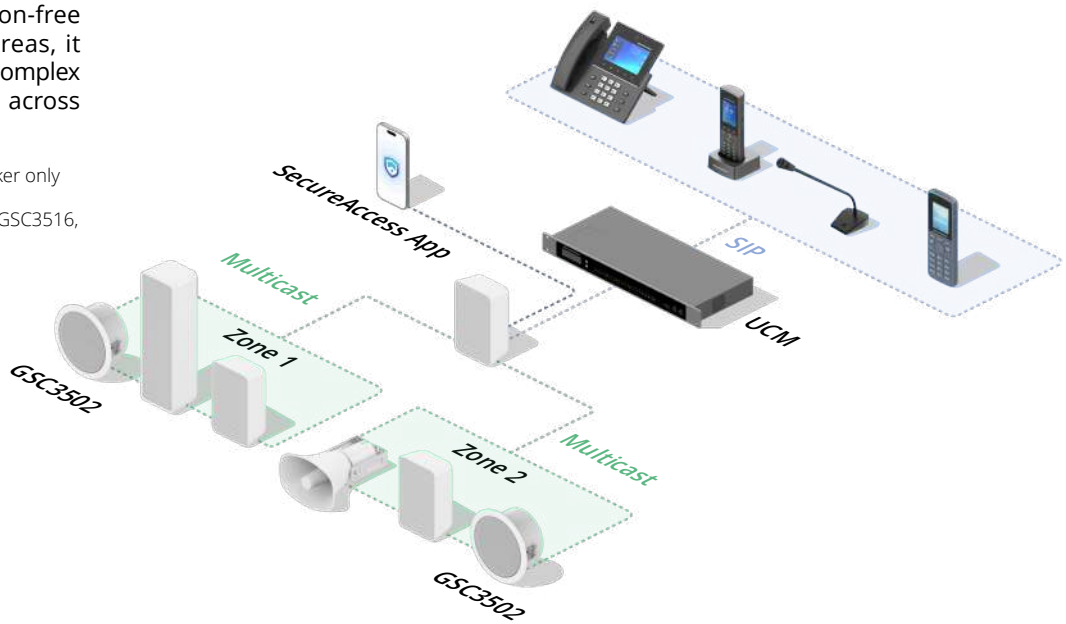
Office Buildings

Multi-Zone Broadcasting

The GSC3502 seamlessly integrates into zone broadcasting systems as a managed speaker, operating under a primary Grandstream IP speaker configured as the zone manager.

Delivering synchronized and distortion-free audio playback across designated areas, it expands broadcast coverage to fulfill complex indoor communication requirements across multiple zones.

Note: The GSC3502 functions as a managed speaker only and cannot operate as a Zone Manager.
Supported Zone Manager models: GSC3506 (V2), GSC3516, GSC3518 Series (GSC3518HS/CS/WS).



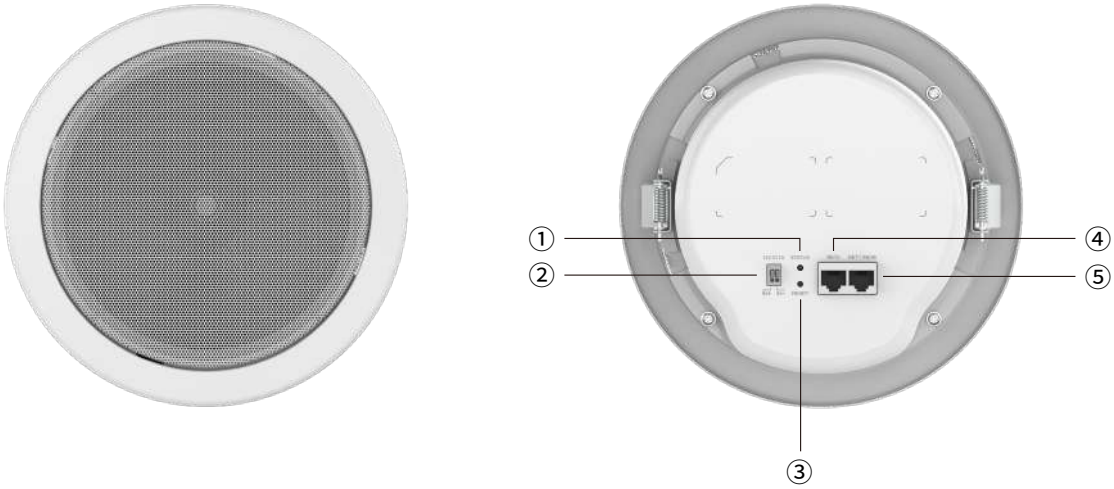
Flexible Management

Beyond traditional local web UI management, GSC3502 also supports a powerful cloud-based management system, including GDMS UC, GDMS SecureAccess and Grandstream SecureAccess app.

It integrates seamlessly with other Grandstream devices, such as door stations and intercoms, allowing for unified device management and delivering a comprehensive security and communication solution.



Hardware Overview



GSC3502

① **LED Indicator**	② **DC Power**	③ **Reset**	④ **Network Port**	⑤ **Network Port (PoE In)**

Technical Specifications

		GSC3502
Basic	Unit Dimensions	φ200 mm × 90 mm (φ7.87" × 3.54")
	Package Dimensions	223 mm × 223 mm × 110 mm (8.78" × 8.78" × 4.33")
	Unit Weight	0.823 kg (1.81 lb)
	Package Weight	1.166 kg (2.57 lb)
	Installation Methods	Ceiling Mount
	Material	Metal
Interfaces	Network Ports	• 1 × 10/100 Mbps port with integrated PoE input • 1 × 10/100 Mbps port
	Power Input Port	1 × 12 V DC power input port
	Button	1 × reset button
LED	System LED	1 dual-color LED for device tracking and status indication
Audio	Speaker	8 W high-quality speaker
	Frequency	300 Hz–15 kHz
	Sensitivity	89 dB at 1 m/1 W (1 kHz)
	Max SPL	Up to 98 dB
Power	Power Supply	• PoE Power: IEEE 802.3af Class 3 (max input voltage: 57 V) • DC Power: 12 V DC, 1 A
Environmental Endurance	Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
	Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
	Humidity	10%–90%, non-condensing
Compliance	Compliance	FCC, IC, CE, RCM

Key Features

		GSC3502
Protocols and Standards	Network Protocol	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®
	Security	• User and administrator level passwords • 256-bit AES encrypted configuration file • TLS, SRTP, and HTTPS encryption • 802.1X media access control • Secure boot capability • Random default password • Unique security certificate per device • Dual firmware image with recovery mechanism
	QoS	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
Telephony Features	Telephony Features	• 4 SIP Accounts • SIP Paging, Multicast Paging, Group Paging, PTT, Call-waiting with priority override
Provisioning	Deployment	Mass provisioning using GDMS/TR-069, AES encrypted XML configuration file, or API / SDK support
	Maintenance	Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload
Audio Features	Voice Codecs	G.711μ/a, G.722 (wideband), G.726-32, G.729, G723.1, iLBC, Opus
	Audio Capabilities	• In-band and out-of-band DTMF (in audio, RFC2833, SIP INFO) • VAD, CNG, AEC, PLC, AJB, AGC, ANS
	Advanced Features	• Supports RTSP/HTTP Streaming and Online Music Playback • Audio Equalizer • Zone Broadcast (as a managed speaker) **Note: The GSC3502 functions as a managed speaker only and cannot operate as a Zone Manager, even when managed via cloud platforms. Supported Zone Manager models include GSC3506 (V2), GSC3516, GSC3518 Series (GSC3518HS/CS/WS).*
Management Platform	Local Management	Local Web UI which comes with the embedded controller
	Cloud Management	Supports cloud-based management via GDMS UC, GDMS SecureAccess and Grandstream SecureAccess app
Localization	Multi-Language	English, German, French, Spanish, Portuguese, Russian, Chinese

Package Contents

		GSC3502
Standard Items	Primary Unit	1 × Compact Multicast Paging Speaker
	Manual and License	1 × Quick Installation Guide 1 × Certification Regulatory Information
	Installation Accessories	1 × Mounting Hole Cut-Out Template

Ordering Information

	Item	GSC3502
GSC IP Speaker	GSC3502	Compact Multicast Paging Speaker

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