

**ASL50**

Network Column Speaker

ASL50 is a high-performance SIP-enabled column speaker used for SIP paging, notification/tone broadcasting, and streamed high-definition music playback. ASL50 is equipped with 4 woofer drive units and 1 tweeter drive unit. It has high sensitivity and capacity, giving clear and rich saturation, whether SIP-based broadcasting or background music playing. ASL50 can perfectly analyze various sound effects of human voice and music.

Applicable Scenarios



Schools



Conference Halls



Shopping Centers



Stations



Government
Organization



Cafes



Restaurants



Retail Stores



Airports



Office Buildings



Warehouses



Hotels

Features

- ASL50 is a Dual-speaker driver units design, low-frequency woofer driver unit, and high-frequency tweeter driver unit. It provides premium sound quality, enhances the audience experience.
- With IP65 protection rating and well thermal durability. ASL50 is suitable for outdoor installation and operations, even in extreme outdoor environments.
- IP Audio Center auto-provisioning support, large-scale installations (local or remote) will be straightforward and time-saving.
- Standard SIP protocol supported can be integrated with IP Audio Center or other third-party SIP servers. SIP paging using wideband G.722 codec, which provides crystal clear HD voice.
- Music playback through IP Audio Center using streaming media. HD MP3 audio files supported for superior quality for background music.
- Support 4G LTE network communication service modules.
- Support Multi-cast and Peer-to-Peer (P2P) to share data between devices without a central server while the devices use under the same local network.
- Build-in Class-D amplifier with local and server controlled volume output level, ASL50 guarantees the full and consistent coverage and audio comfort and the flab.
- ASL50 supports three lines SIP accounts, in which users may register the endpoint in more than one system for achieving different functionality purposes.

Specifications

Speaker

Speaker Component	Four 3.25" woofer units + one 25ø tweeter unit
Sensitivity	85dB/1m/1W
Max sound pressure level	105dB
Amplifier	Build-in Class D Amplifier
Coverage pattern	135° 50m, maximum effective distance 70m
Rate power	8Ω 50W
Frequency range	100Hz – 20KHz
Material	Aluminum film
Acoustics	Mono

Audio

Audio codecs	G.722, G.711 A-law, G.711 U-law, Opus
Audio streaming	Mp3 sampling rate 8-48KHz, bit rate 64-320kbps, mono or stereo

Network	
Interface	10/100Mbps
4G LTE modules	Optional
Network protocol	SIP(RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH
Administration	
Configuration	Web interface or auto provisioning server
Provisioning method	MQTT IoT Protocol
Mechanical Properties	
Memory	128MB RAM, 256MB Flash
Power Input	DC36V
Casing	Aluminum, white-color rust preventive coating
IP Rating	Ip65
Weight	4.5Kg
Dimension	101.6*100*470mm
Mounting Method	Wall/pole mounted
Environmental	
Installation environment	Indoor/Outdoor
Operating temperature	-20°C - 50°C (-4°F - 122°F)
Storage temperature	-40°C- 70°C (-40°F - 158°F)
Humidity	10%-95% RH Non-condensing
Approvals	
Approvals	EN 55032:2015, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 62368-1:2014+A11:2017, FCC Part 15B Class A