

# DIREKTRONIK



**SW15**

## Network Cabinet Speaker

SW15 is a high-performance SIP enabled cabinet speaker which can be used for SIP paging, notification/tone broadcasting and streamed high definition music playback. The high efficient, full-range drive units will provide you with a uniquely advanced listening experience. And it's designed for the applications where voice coverage is of primary concern.

## Applicable Scenarios



Schools



Health Care



Shopping Centers



Train/Bus  
Stations



Restaurants



Garden  
Pubs



Residential  
Buildings



Retail Shops



Airports



Office  
Buildings



Warehouses



Hotels

## Features

- Dual-speaker drive unit designs. SW15 is equipped with one low-frequency bass driver unit and one high-frequency tweeter driver unit. Provides premium sound quality, enhances the audience experience.
- Support ZYCOO BM11 Mic w/ Push-to-Talk Button, easy connection with the BM11 to achieve the talk-back functionality.
- ZYCOO IP Audio Center auto-provisioning support, large-scale installations (local or remote) will be straightforward and time-saving.
- Built-in SIP protocol integration support can be integrated with ZYCOO IP Audio Center or 3rd party SIP server, SIP paging using wideband G.722 codec, which provides crystal clear HD voice.
- Music playback through ZYCOO IP Audio Center using streamed media. HD MP3 audio files supported for the superior quality of background music.
- Standard PoE (IEEE 802.3at) support, simple and easy installation with a single network cable. The external power supply can be used if required.
- Support Multicast and Peer-to-Peer (P2P) to share data between devices without a central server while the devices use under the same local network.
- Built-in Class-D amplifier with local and server-controlled volume output level, SW15 guarantees the full and consistent coverage and audio comfort and the flab.
- SW15 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:	5.25" woofer unit + 1.5" tweeter unit
Sensitivity:	85dB/1m/1W
Max sound pressure level:	100dB
Amplifier:	Built-in Class D Amplifier
Rated power:	8Ω 15W
Frequency range:	70Hz – 20KHz
Coverage pattern:	90°H 50°V 30m <sup>2</sup>
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:	RJ45 10BASE-T/100BASE-TX PoE
Protocols:	SIP(RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH

<b>Administration</b>	
Configuration:	Web interface or auto provisioning server.
Provisioning method:	MQTT IoT Protocol
<b>Mechanical Properties</b>	
Memory:	128MB RAM, 256MB Flash
Power input:	PoE IEEE 802.3at/DC24V2A
Casing:	UL94-V0 rated ABS material, thickened, flame resistant
Grille:	Surface-treated metal mesh plate
Color:	White, Black
Weight:	3.29KG (7.25lb)
Dimension:	240mm(H) × 180mm(W) × 150mm(D)
Mounting method:	Wall mounted
Key:	Press and hold for 3 seconds to announce IP address; Press and hold for 10 seconds to reset device to factory defaults.
<b>Environmental</b>	
Installation environment:	Indoor
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
<b>Approvals</b>	
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



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