

### FE-SPK-IP4A

UNIDIRECTIONAL 10W ACTIVE POE+ PROJECTION SIP-SPEAKER

FE-SPK-IP4A is an active waterproof projection speaker able to connect to any SIP-server as standard SIP-client and get a phone call as standard SIP-extension. Simple installation and setup.

Audio files and voice messages can be streamed live or uploaded to device to play them later or periodically from built-in timer/scheduler.

Auto-provisioning through IP-INTEGRA SIP-server saves time, especially in the case of large-scale installations. The module can easily be integrated with 3<sup>rd</sup> party SIP systems through WEB interface.



### *At a first glance*

- 6" Full Range Speaker Unit
- User-friendly WEB interface for Remote Setup
- Designed for wide response (music and speech)
- Self-diagnosing and reporting through e-mail
- Aluminum enclosure and Metal bracket
- Waterproof Project Type Loudspeaker – IP 66 Rating

## Specification

### **HARDWARE**

Ethernet connector	1x RJ 45
Power Options	PoE and/or external PS 5V/1.5A DC
PoE	IEEE 802.3at
Power Consumption	Idle: 1.8W / Max: 20W (Volume dependant)
CPU	Allwinner H2+, Quad-core Cortex A-7

### **NETWORKING AND PROTOCOLS**

Protocols	IPv4 (with DiffServ), SIP, TCP, UDP, HTTP, RTP, DHCP, SNMP, NTP
LAN Protocols	PoE (802.3at) Network Access Control (802.1x)
Management and operation	HTTP (Web Configuration) DHCP and Static IP, Remote Software upgrade, Centralized monitoring
SIP Support	RFC3261 (SIP Base Standard), RFC3515 (SIP Refer), RFC2976 (SIP Info), SIP using TLS, RFC5630 SIPS Uri scheme
DTMF Support	RFC2833, 2976 (SIP Info)

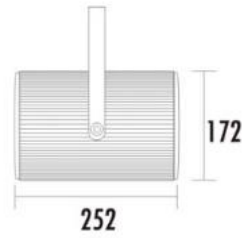
### **OTHER SPECIFICATIONS**

Input	No
Output	No
Microphone	No

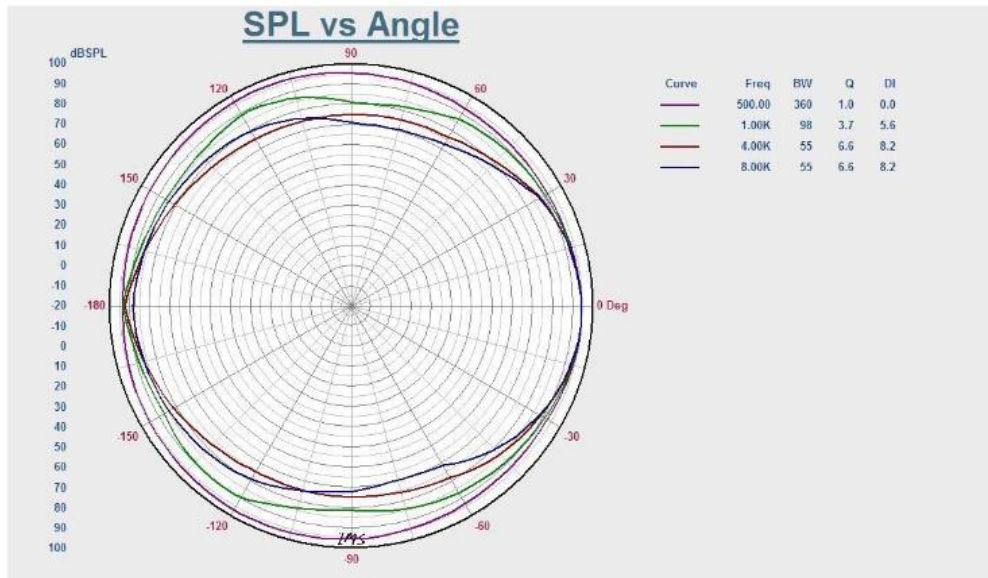
### **SPEAKER SPECIFICATION**

Speaker Driver	6"
Rated Power	10 W
Impedance	8 $\Omega$
SPL (1W/1m)	100 dB $\pm$ 3 dB
MAX SPL (Rated W/1m)	112 dB
Frequency range (-10dB)	250 Hz to 14 kHz
Operating temperature	-30°C to +70°C
Power Selection	PoE+
Material	Baffle: ABS, White; Grille: Steel, White
Colour and Finish	White
Dimensions	l = 252 mm, $\varnothing$ = 172 mm
Net Weight	3,3 kg
Mounting	Mounting bracket and screws

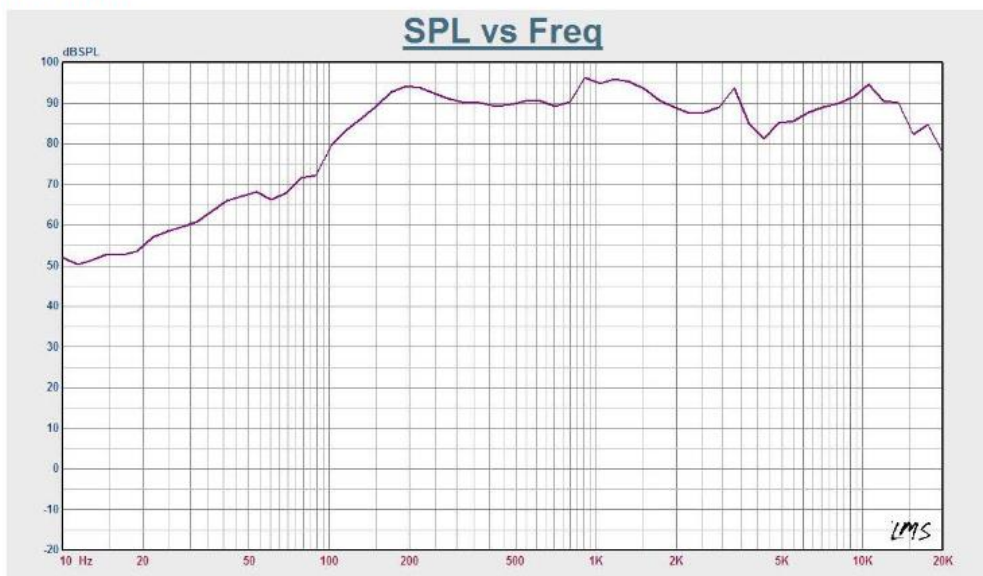
**Appearance:**



**Direction Diagram:**



**Frequency Response:**





**Freund Elektronik A/S, in cooperation with our sister company Freund Elektronika D.O.O. Sarajevo, is developing an IP-Based Intercoms, Audio Systems, Access Control and Smart Home solutions.**

**As a developer, manufacturer, and reseller, we have been self-improving and perfecting ourselves for over 30 years.**

**In the industry, we negotiate the most advanced and innovative solutions regarding the building communication. Our daily focus is on the development and user friendliness of our high quality and pleasantly designed products.**

**As a developer and manufacturer of our own IP-INTEGRA system, we have made a top-of-the-line products for Door Telephony, Public Audio, and Access Control solution.**

**Our development department, together with our partners, has created elegant and robust door phones, SIP-Centrals, Terminals, IP-Speakers, ACC Controllers, and applications with intelligent features using the most advanced technologies when available, and creating new technologies when they are not while keeping it simple for our customers.**

