

FE-SPK-IP3A – PRODUCT DATASHEET

FLUSH MOUNT, 5" 10W ACTIVE POE+ CEILING SIP-SPEAKER

FE-SPK-IP3A is an active PoE+ SIP-speaker able to connect to any SIP-server as standard SIP-client and get a phone call as standard SIP-extension. Easy to install and setup! Audio files and voice messages can be streamed live or uploaded to device in order to play them later or periodically from build-in timer/scheduler. Auto-provisioning through IP-INTEGRA SIP-server saves time, especially in the case of large-scale installations. The module can easily integrate with 3rd parts SIP-systems through WEB interface.



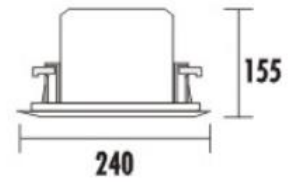
At a Glance

- User-friendly WEB interface for remote setup
- Fitted with a 5" twin cone driver unit
- Designed to wide response for music & speech
- 10W additional output for connecting extra passive speaker
- Self-diagnostic and reporting through e-mail
- 5" full range speaker unit
- Secure flush mount installation

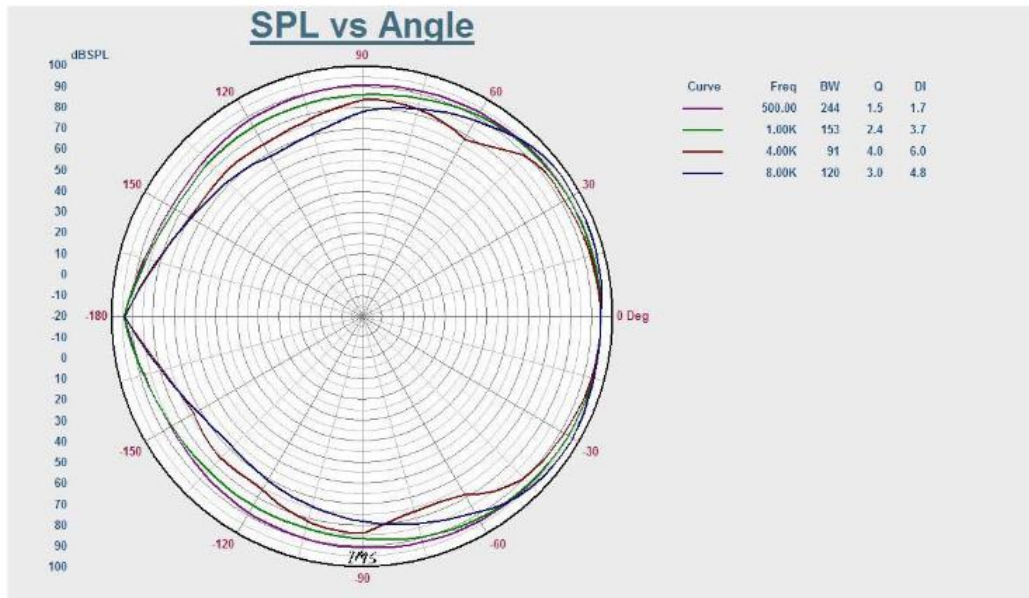
TECHNICAL SPECIFICATION	
HARDWARE	
Ethernet connector	1 x RJ 45
Power options	PoE and or external 5V/1,5A DC
PoE	IEEE 802.3at
Power consumption	Idle 1.8W, max 20W (depending on volume)
CPU	Allwinner H2+, Quad-core Cortex A7
NETWORKING AND PROTOCOLS	
Protocols	IPv4 (with DiffServ), SIP, TCP, UDP, HTTP, RTP, DHCP, SNMP, NTP
LAN protocols	PoE (IEEE 802.3at) Network Access Control (IEEE 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	1 X I/O PIN
Output	5VDC & 12VDC output, 3 X Open-Collector @ 2A, up to 15V (RGB LED drive)
Microphone	1 onboard connector
SPEAKER SPEC	
Rated power	10W
Impedance	8 ohms
SPL (1W/1m)	92dB±3dB
Max SPL (rated W/1m)	105dB
Frequency range (-10dB)	90Hz-20kHz
Operating temperature	-20°C ~ +70°C
Power selection	PoE+
Material	Housing: PVC and Aluminium
Colour and finish	White
Cut-out size	d=210mm
Dimensions	d=240mm, h=155mm
Net weight	2 kg
Mounting	Flush mount with dog ears

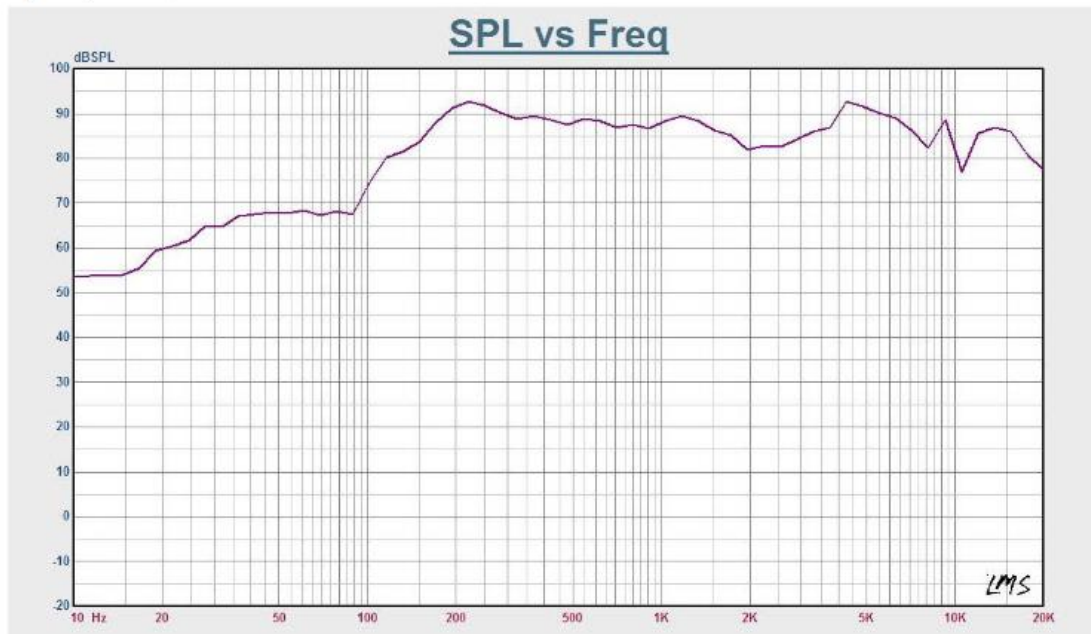
Appearance:



Direction Diagram:



Frequency Response:



FREUND ELEKTRONIK A/S, IN COOPERATION WITH ITS SISTER COMPANY FREUND ELEKTRONIKA SARAJEVO, IS DEVELOPING IP-BASED INTERCOM, AUDIO, ACCESS CONTROL AND SMART HOME SOLUTIONS.

WE HAVE MORE THAN 30 YEARS OF EXPERIENCE IN THIS TECHNOLOGY FIELD AS DEVELOPER, MANUFACTURER AND RESALER COMPANY.

IN THE INDUSTRY, WE NEGOTIATE THE MOST INNOVATIVE SOLUTIONS WITHIN BUILDING COMMUNICATION. WE HAVE DAILY FOCUS ON DEVELOPMENT AND USER-FRIENDLINESS AND OUR PRODUCTS HAVE TECHNICAL HIGH QUALITY AND PLEASANT DESIGN.

AS A DEVELOPER AND MANUFACTURER OF OUR OWN IP-INTEGRA SYSTEMS, WE ARE ON TOP OF THE MOST ADVANCED SYSTEMS FOR DOOR TELEPHONY, PUBLIC AUDIO AND ACCESS CONTROL SOLUTIONS.

OUR DEVELOPMENT DEPARTMENT HAVE DEVELOPED, TOGETHER WITH OUR PARTNERS, ELEGANT AND ROBUST DOORPHONES, SIP-CENTRALS, TERMINALS, IP-SPEAKERS, ACCESS CONTROLLERS AND APPLICATIONS WITH INTELLIGENT FEATURES AND THE MOST ADVANCED TECHNOLOGY, BUT AT THE SAME TIME EASY FOR OUR CUSTOMERS TO USE.

FREUND GROUP IS ONE OF THE TOP PROVIDERS ON THE MARKET FOR IP-BASED BUILDING CONTROL AND COMMUNICATION AND RELATED SYSTEMS.