BOSCH

PRP-IM1A Interface Module, 1 audio output
PROSPERO

▶ Transmits audio signals over IP network

▶ PoE power supply, direct connection with a single cable

▶ Compact form factor for cabinet tray mounting
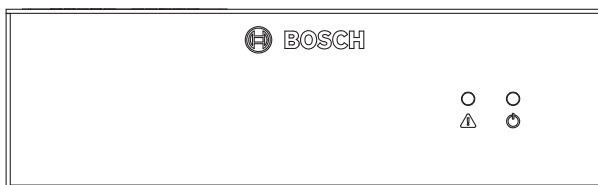
▶ For PROSPERO Public Address systems

The PRP-IM1A is an audio output IP module that can be connected to the PROSPERO public address system via a standard IP network for audio signal transmission. Supports PoE, allowing connection to a standard Ethernet switch using a Cat5e cable. The rear panel provides 1 audio output port for connecting to an amplifier. The screw holes in the housing allow a module to be securely mounted on the cabinet tray. 3 IP modules can be mounted side by side at a 1U height.

Functions

- Connecting to the PROSPERO Public Address System via an IP network.
- 1 line-level audio output port for connection to an amplifier.
- Power supply status and fault status indicators.
- Affixing to the cabinet tray through the screw holes.
- Compact design allows 3 modules to be installed side by side at a 1U rack height.
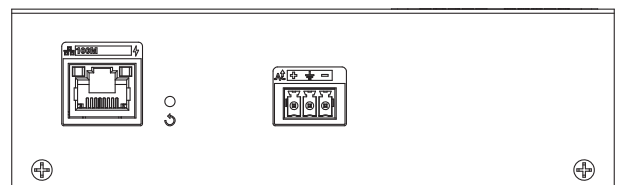
Installation/configuration notes

Front view

Front panel indicators

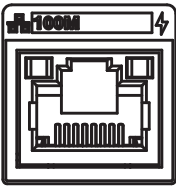|	Solid yellow	Equipment failure
⚠	Blinking yellow	Unauthorized
⏻	Solid green	On

Rear view

Rear panel controls

	Device reset (Restore factory defaults)	Button

Rear panel interconnections

	Network interface (supports PoE)	
	Analog audio output port	

Parts included

Quantity	Component
1	Interface Module, 1 audio output
1	Terminal block (set)
1	Safety and user information leaflet

Technical specifications

Electrical

PoE power supply	
Rated input voltage (VDC)	48 V
Standard	IEEE 802.3af Class 3
Power consumption	<5 W

Network interface	
Ethernet type	100 BASE-TX
Ethernet protocol	TCP/IP, UDP, RTP, TFTP, HTTP, HLS
Audio encoding	MP3, PCM

Network interface	
Interface	1x RJ45

Analog audio input	
Frequency response	100 Hz — 18 kHz
Sampling rate	44.1 kHz
Type	1x Line level output
Connector	1x 3-pin Phoenix connector
Maximum output level	6 dBu
Output impedance	<400 Ω

Mechanical

Material	Metal housing
Dimensions (H x W x D)	44 mm x 146 mm x 105 mm
Weight	465 g
Color (RAL)	RAL 9017 Traffic black

Environmental

Operating temperature (℃)	-5℃ — 45℃
Storage and transportation temperature (℃)	-40℃ — 70 C
Operating relative humidity, non-condensing (%%)	<95%

Ordering information

PRP-IM1A Interface Module, 1 audio output
IP module, 1 audio output, PoE power supply.
Order number **PRP-IM1A | F.01U.429.438**