IFAMEVAC

## Audio matrix module for Previdia Ultra control panels

Audio matrix module for Previdia Ultra control panels (supplied already assembled in the Previdia–Ultravox and Previdia–Vox control panels).

It fits inside the control panel cabinet on the CAN DRIVE+ connection bar and takes care of the digital processing of all audio sources.

Provides 2 analogue inputs for external sound sources ("MUSIC 1" and "MUSIC 2"), 2 analogue inputs for external sound sources with priority request ("AUX 1" and "AUX 2"). It has an internal flash memory containing emergency messages and user–definable messages, SD card slot for user–defined audio files, 2 lines for standard or emergency microphone bases (max 64 per line), and connection to the Ethernet network for interaction with IASS and IAS–APP servers.

Each control panel manages only one IFAMEVAC module.
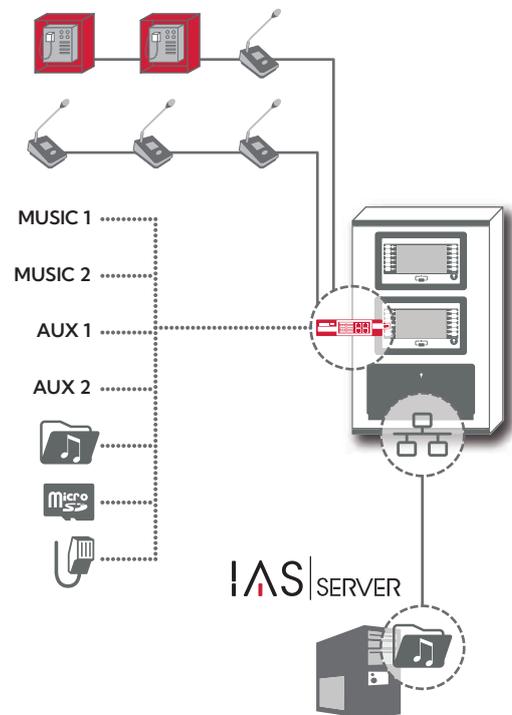
MAIN FEATURES

- Connects to the CAN DRIVE+ bar inside the control panel cabinet
- Hot arming/disarming ("hot swap")
- Maximum one IFAMEVAC module per control panel
- 2 analogue audio inputs ("MUSIC 1", "MUSIC 2") for external sources
- 2 analogue audio inputs ("AUX 1", "AUX 2") with priority enrollment via the "PR" input or via signal level
- 2 inputs for microphone base lines ("PAGER A", "PAGER B") for the connection of standard or emergency bases
- Maximum 64 microphone bases per line
- Ethernet/TCP–IP input for up/downloading of audio messages and connection with the IASS server

- Internal flash memory with 4 minutes of audio Precon–figured with emergency messages in different languages, customizable via configuration software
- SD card memory slot (not supplied) for additional audio messages (combinable with predefined conditions, activation of inputs, timers, etc.)
- RJ45 connector for connection with PTT microphone and emergency telephone, housed in the front panel of the control panel
- Volume adjustment and 3–band equalization of external audio sources

IFAMEVAC

TECHNICAL SPECIFICATIONS

|		
Operating power supply voltage		20 – 30 V⎓ (powered by the CAN DRIVE+ bar)
Maximum current draw		100 mA
MUSIC 1/2 and AUX 1/2 input voltage		Max. 1 Vrms (non balanced between "+" and "GND" and between "−" and "GND")
MUSIC 1/2 and AUX 1/2 input impedance		10K Ohm
AUX 1/2 "PR" inputs		Clean contact to "GND"
A /B PAGER lines	Microphone bases per line	Max. 61
	Current per line	Max 1A
	Total cable length per line	Max. 500m

MECHANICAL SPECIFICATIONS

Dimensions		175.5 x 160 x 40 mm
Weight		330 g
Enclosure	Enclosure material	Plastic
	Colour	RAL7015
	Flame class	UL 94 V–2

HARDWARE SPECIFICATIONS

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Audio processing	Internal DSP
Internal audio memory	4 minutes
External audio memory	FAT32 SD card, max. 32 GB
FW upgrade	via mini–USB port
Activity and status LED	5

DIMENSIONS AND INSTALLATION

CE
0051
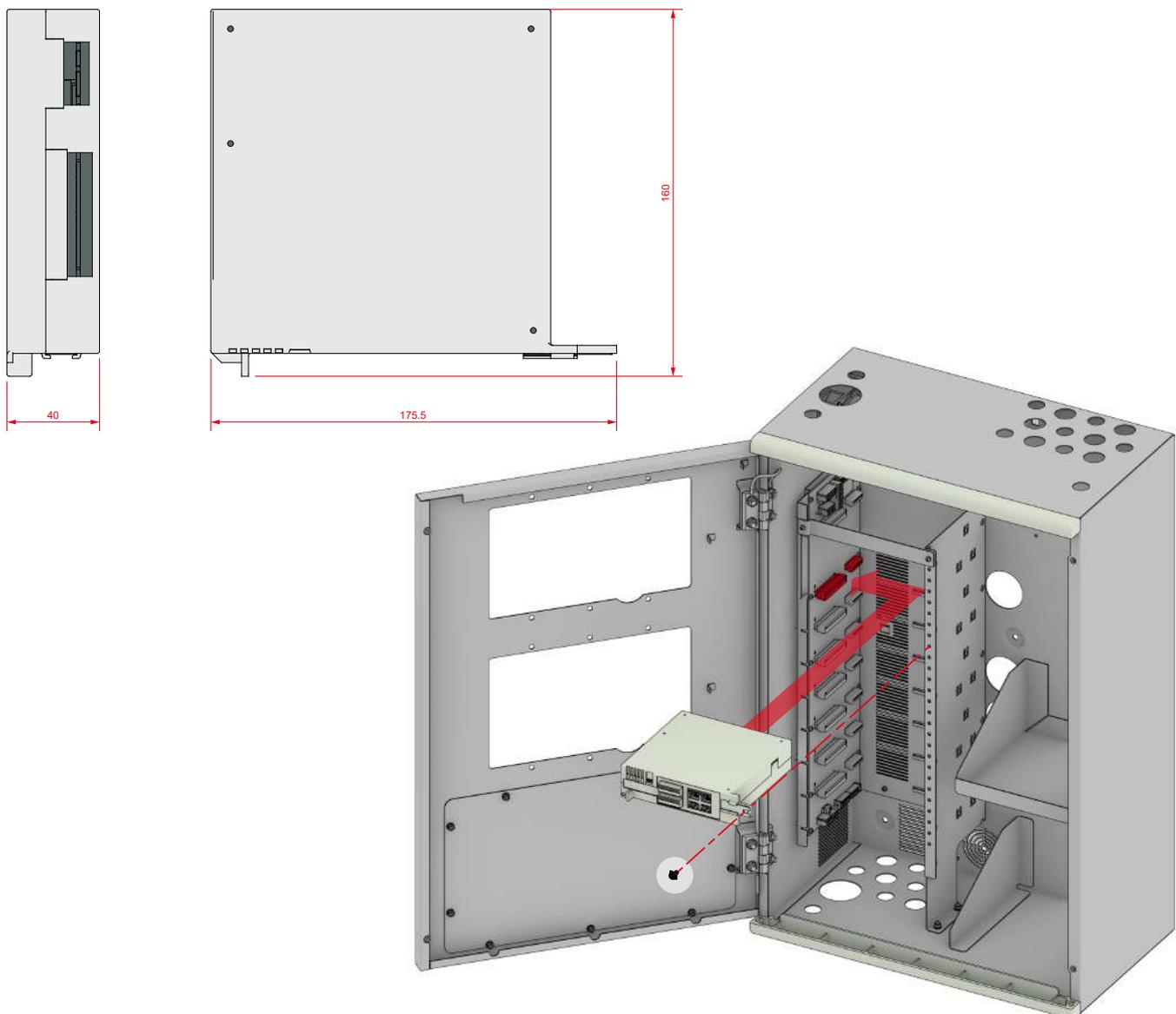
CONNECTIONS

Non balanced audio source connections

Max. 1 Vrms OUT
+ — GND
shielded cable

Max. 1 Vrms OUT
GND 1V 70V 100V
IAS–ADAPT1000
GND FILTERED 1V
FILTER
Jumper removed
+ — GND

Balanced audio source connections

Max. 1 Vrms OUT
+ — GND
twisted shielded cable4

Max. 1 Vrms OUT
GND 1V 70V 100V
IAS–ADAPT1000
GND FILTERED 1V
FILTER
Jumper removed
+ — GND
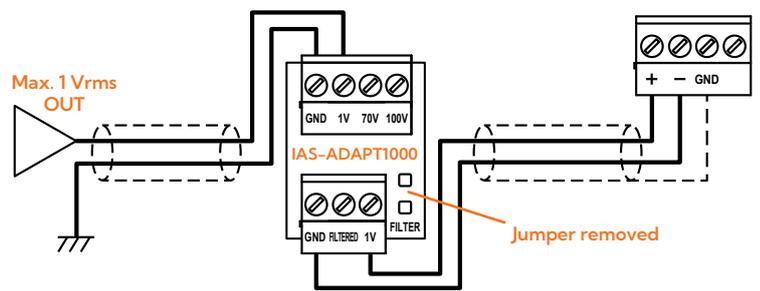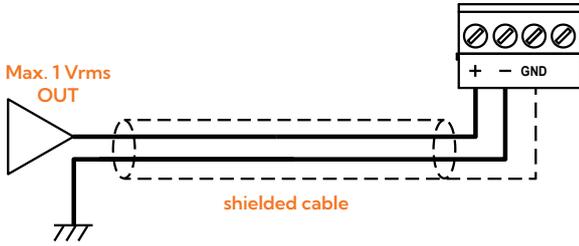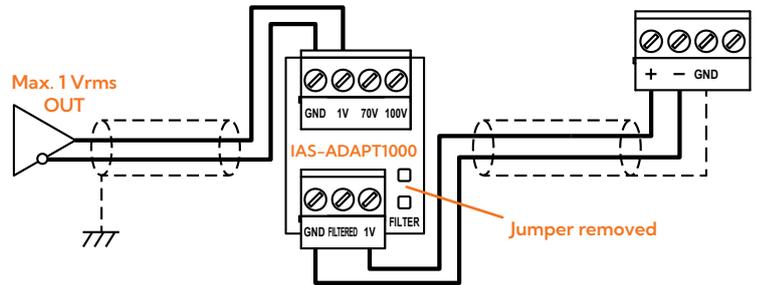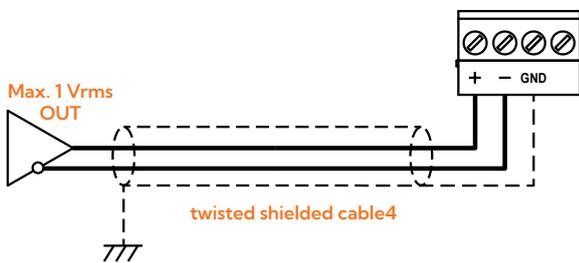
Audio source connections with priority request

+ — GND PR
twisted shielded cable4

GND 1V 70V 100V
IAS–ADAPT1000
GND FILTERED 1V
FILTER
+ — GND PR
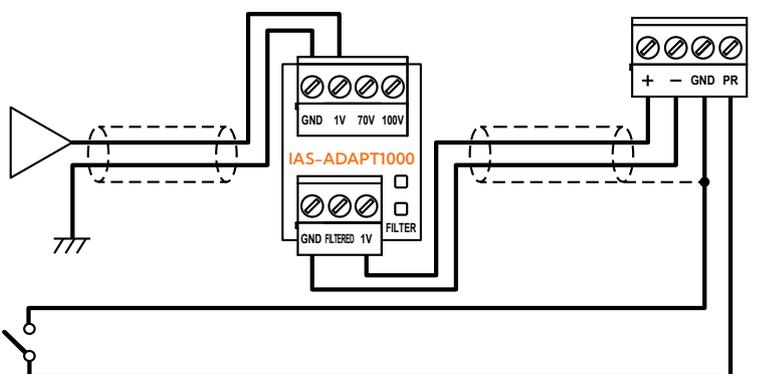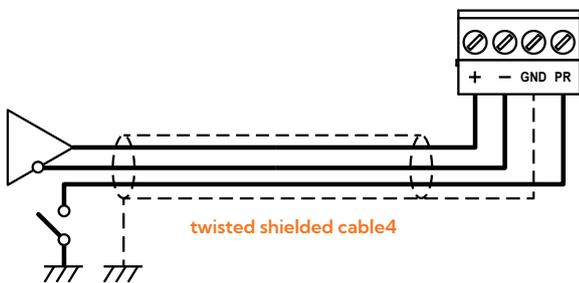
Microphone bases connection

A/B PAGERS   base no. 1   base no. 2   base no. 64
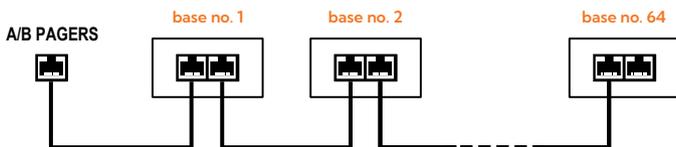
Double shielded straight
cat. 5E SF/UTP cable

IFAMEVAC

ORDER CODES

IFAMEVAC	Audio matrix module for Previdia Ultra control panels (a module supplied already assembled in Previdia Ultravox and Previdia Vox control panels)
IAS-ADAPT1000	Module for adapting and decoupling audio signals input into the control panel
IAS-LIC	Licence for IAS server

Inim distributor's stamp and signature