

## SVA-4500

# Extension unit with amps for MVA-8120 EXEO system

EN 54 16



- SVA-4500 is an extension controller and a 4 x 250W RMS amplifier for the compact EN 54-16 PA/VA system EXEO.
- This extension unit can scale the EXEO system with 4 more zones as it includes 4 class D power amplifier channels at 100V lines.
- Audio is transmitted from the main unit to this extension unit via daisy-chain connection via FlexNet. Therefore it guarantees maximum quality and integrity.
- The extension is fully configurable with the EXEO-Configurator software (included with EXEO). It is possible to configure remotely the unit as part of the whole EXEO system and create events to perform actions in the system triggered by conditions of: input level, date&time, UDP command, a GPIO or button from MPS microphone.

## FEATURES

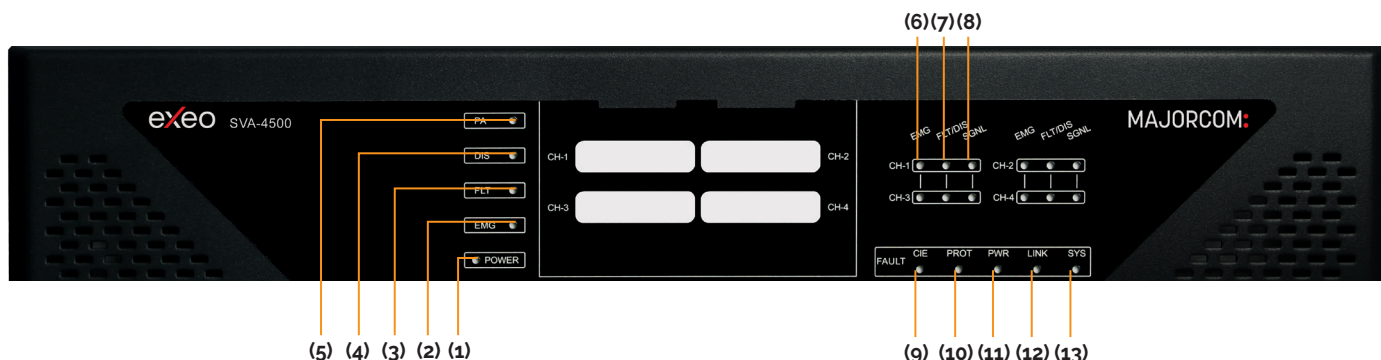
- 4 class D amplifiers of 250W RMS for 100V lines.
- 4 pre-amp outputs for external PA amplifiers connection.
- DSP : 7-band input/output Parametric Equalizer, loudness, sound enhancer, independent volume control per each output channel and audio filters.
- Triple Ethernet port: for Digital Audio Cobranet, remote control and supervision, and for escalating the system with EXEO-Extensions in daisy-chain mode with Flexnet techlogy (up to 1024 zones).
- 4 x 24 V DC outputs that can control up to 16 attenuators (4ATT by output).
- Integrated frontal loudspeaker for monitoring.
- 6 supervised contact relays for integration with Fire Alarm Control Panel.

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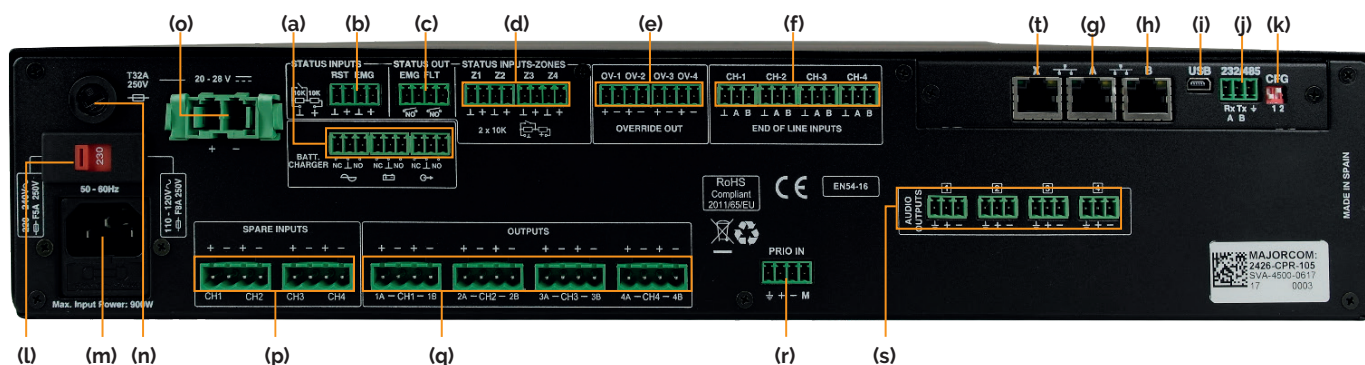
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### FRONT PANEL



- |                       |                                |                            |                       |
|-----------------------|--------------------------------|----------------------------|-----------------------|
| (1) Led Power         | (5) Led Public Address         | (9) Led CIE                | (13) Led System Fault |
| (2) Led Emergency     | (6) Led Emergency Channel      | (10) Led Protect Amplifier |                       |
| (3) Led Fault         | (7) Led Fault/Disarmed Channel | (11) Led Power Fault       |                       |
| (4) Led Zone Disarmed | (8) Led Signal                 | (12) Led Link Fault        |                       |

### REAR PANEL



- |   |   |                              |                                  |
|---|---|------------------------------|----------------------------------|
| (a) Emergency Power Supervisor Input        | (e) Attenuators Override Output                         | (j) Serial Port RS232/485 PA | (q) Speaker Line Outputs         |
| (b) General Emergency Mode Activation Input | (f) End Of Line Inputs                                  | (k) Configuration Switch     | (r) Priority Input (on P.A mode) |
| (c) Status Supervision Outputs              | (g) Interface Connection To System A FlexNet / Cobranet | (l) Main Power supply Input  | (s) Audio Line Outputs           |
| (d) Emergency Zone Mode Activation Input    | (h) Interface Connection To System B FlexNet / Cobranet | (m) Main Power supply Input  | (t) Port Ethernet                |
|   | (i) USB Port (reserved)                                 | (n) Power Supply Fuse        |                                  |
|   |   | (o) 24VDC Power Supply Input |                                  |
|   |   | (p) Spare Channel Inputs     |                                  |

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### TECHNICAL CHARACTERISTICS

MODEL	SVA-4500
AC Power	115/230VAC 50/60Hz
Consumption max power	1,100W max
Frequency response	80 - 20,000Hz +/-3dB
Signal to noise ratio	> 95dB
Distortion factor	< 0,05%
Gain adjustment per channel	-100dB · 0dB, 1dB Steps
DSP	Integrated 24 bits 48kHz - 344 MIPS
FlexNET/Cobranet	3 x FlexNet Redundant (automatic switching)/ Cobranet, Ethernet10/100Mbps. Female RJ-45
Audio inputs	Audio Interface DCO-22
PRI0 audio inputs	1 x Balanced audio 0.7Vrms 0dBV, 10kΩ, 3Pin, Euroblock
Pre-amp Audio Outputs	4 x Balanced audio 0.7Vrms, 100Ω, 3Pin, Euroblock
Attenuators over-ride	4 x Override 24Vdc, 40mA, 2 Pin (4 Pin Euroblock)
Emergency control inputs	6 x 0-5Vdc, Monitored inputs, 2 Pin (4 Pin Euroblock)
Emergency control outputs	2 x Relay contact Isolated Output, NO, Max 60Vdc 130mA
Class D Amplifiers	4 x 250 W RMS @ 100 V
Speakers outputs	8 (2x4) 100V, 2 Pin (4 Pin Euroblock)
Speakers loop inputs	8 (2x4) CNo Voltage Contact, 3 Pin euroblock
Back-up amplifiers inputs	1 Input per channel, for amplifier with equal power
Protection	Over-temperature, infrasonic, short circuit, slow start-up, overload
Emergency Power Input	20 - 28VDC, 32A Fused, 2 Pin Euroblock
Emergency Power Status Input	3 x NO - NC, 3 Pin Euroblock
Operating conditions	-5°C to +45°C / 5 to 95% Relative humidity (No condensation)
Weight	8kg
Dimensions	483 x 88 x 455mm
IP Protection	IP30
Accessories	2 rack brackets, male Euroblock connectors, 1 Mains cable 2m, 1 Ethernet cable 2m

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