

EVAMATRIX system

RM-VA 1000

Micro Call Station for VA & PA

 Dante™

EN 54 16



RM-VA 1000
VA



RM-VA 1000
PA

The RM-VA1000 call station is intended for use with EVAMATRIX VA or PA sound systems.

It can be configured in security mode (VA) via the supplied kit (sticker and rear cable protection cover) or in public address mode (PA).

It is easy to install and simple to use with its LCD screen that provides clear feedback on the configuration of a call.

The RM-VA 1000 only requires a connection to an IP network with a power supply via Ethernet 24VDC from EAE for use in or a simple 230VAC/24VDC adapter supplied for use in comfort mode.

En mode sécurité le pupitre d'appel est totalement supervisé et permet de lancer un appel d'urgence, ALARME, ALERTE. L'écran LCD confère à l'opérateur un contrôle optimal et un retour d'informations permanent.

FEATURES

- The RM-VA1000 call station can be configured for VA or PA.
- Connection to the IP network via a shielded Cat5e cable
- The 2.3" LCD display (with function menu navigation key) provides instructions and comments during the emergency call process, pre-recorded messages (ALARM/ALERTE).
- Built-in monitor speaker with volume control.
- Local audio line input (mono) for connecting an external audio source in comfort mode only. The audio channel is available on the network and can be assigned to any speaker zone.
- Up to 128 microphone consoles can be connected to the EVAMATRIX system, of which up to 4 are VA consoles.
- The call station is fully compliant with EN54-16 standards for evacuation applications.
- All critical alarm functions are accessible according to access levels. The 2.3" display provides information on the system status.
- Control of all critical functions; signal and audio assignment is controlled, as well as communication with the network.
- The EVAMATRIX system integrates the SNMP V2c protocol (Simple Network Management Protocol) which allows a management and monitoring software to report any type of fault and status of the sound equipment.
- The EVAMATRIX system integrates seamless security (HTTPS, TLS1.2, SHA256, SSL, AES256 encryption and elliptic curve cryptography).

FRONT FACE



- 1 Microphone input on XLR socket
- 2 OLED display
- 3 Emergency buttons in safety mode (VA) and PRESET buttons in comfort mode (PA)
- 4 12-key keypad Talk
- 5 Button (call) Menu
- 6 Button Vumeter
- 7 (LED)
- 8 Microphone status LED Volume
- 9 Potentiometer

REAR FACE



- 1 24V DC power connectors
- 2 Reset switch
- 3 RJ-45 network port
- 4 AUX audio input jack (only in comfort mode)
- 5 Mic input volume potentiometer

Safety mode cover (VA)

TECHNICAL CHARACTERISTICS

MODEL	RM-VA 1000
Power supply	24VDC
Consumption	Max. 10W
Frequency response	100Hz - 18kHz à -3dB @ 1kHz
Signal to Noise Ratio	> 65dB
Harmonic distortion rate (THD)	< 0,1 %
MIC	
AUX input sensitivity	-50dBV
Output sensitivity	0dBV
Signal-to-noise ratio (< 20 kHz LPF, A-WT.)	65 dB or more
T.H.D (< 22 kHz LPF)	0,1 % or less
Frequency response 100Hz ~ 18kHz Input: -50 dBV, 1kHz based)	0dB ± 3dB
AUX	
AUX input sensitivity	-10dBV
Output sensitivity	0dBV
Signal-to-noise ratio (< 20 kHz LPF, A-WT.)	80 dB or more
T.H.D (< 22 kHz LPF)	0,1 % or less
Frequency response 100Hz ~ 18kHz Input: -10 dBV, 1kHz based)	0dB ± 3dB
General	
Ethernet (LAN)	RJ45, TCP/IP protocol 100/1000 Base-T
LAN Extension	Output to EVAMATRIX on RJ45 (Dante®) - Input from EVAMATRIX on RJ45 (Dante®) CAT5 cable Maximum distance: 100m
MTTF availability	Average failure time greater than 100,000 hours
MTTR availability	Average repair time less than 20 minutes
AES/EAE emergency power input	24VDC
OLED screen	2,42"
Operating temperature	-10°C ~ +40°C - Humidity: 5 ~ 95%
Weight	1,29kg
Dimensions (WxHxD)	200 x 73 x 206 mm
Accessories	AC power cord, Adapter, Gooseneck microphone, Euroblock termina
Protocol and encryption	TCP/IP, Http, Https, SNMP V2c, IPv4, TLS1.2, SHA256, SSL, AES-256, Elliptic curve cryptography