

MAR – WALL-MOUNTED CONSOLE MICROPHONE

FEATURES

- Handheld alarm microphone with PTT button
- Reliable mechanical buttons
- 32-bit DSP audio processor
- 5 buttons for automatic messages activation
- Up to 150 additional buttons for any purpose
- 2 status LED indicators per button
- Freely programmable buttons
- Power, Alarm, Fault, Bypass notification LED indicators
- Adjustable sensitivity for microphone
- Advance control of the IVO PAVA system
- Aluminium housing
- Built-in audio input
- Built-in loudspeaker
- Intercom functionality
- Wall mounting
- Digital communication and optional fiberoptic
- Maximum cable length: 500 m
- Optional OME1, OME2 metal housing
- Direct power supply from IVO PAVA system
- Wide frequency response
- Ultra-low quiescent mode
- Gain control

Options:

- MAR10 – 5 + 10 buttons
- MAR20 – 5 + 20 buttons
- ...
- MAR150 – 5 + 150 buttons
- MARxxK – set including OME housing, PP junction box, and MARxx console (xx – 10..40)
- MARxxKR – set including OME housing, MARxx console (xx – 10..40), KSS0 fiber optic module, EN54M-2A7 power supply, 2x 7 Ah batteries



MAR10



Back panel



MAR10K



MAR10K

OVERVIEW

The MAR range of desktop paging microphones is part of the IVO EN54-16 certified system. Each unit is equipped with a handheld microphone and a 32-bit processor for efficient handling of all voice initiation tasks, including non-emergency paging announcements and live emergency broadcasts to guide the public during fire incidents, security threats, or natural disasters.

In addition, the MAR series supports half-duplex communication with other MI, MA, MAR, or INT units, ensuring reliable two-way communication during critical situations.

Each microphone is fitted with programmable buttons for input source selection, volume adjustment, and triggering of pre-recorded messages. A bypass function (where configured) and password protection are also supported, ensuring secure and uninterrupted operation.

MAR units connect to the IVO system's main controller via the KKO card, using either daisy-chain or star topology configurations.

TECHNICAL SPECIFICATION

GENERAL

Power supply	24 V DC $\pm$ 20 % 48 V DC $\pm$ 15 %
Idle consumption	< 2 W (MAR20)
Standards	EN54, CE
Mechanical	230 x 185 x 60 mm (MAR10) 230(+n) x 185 x 60 mm (MAR20), n = 60 mm ... 230(+14*n) x 185 x 60 mm (MAR150) OME1 - 400 x 270 x 150 mm OME2 - 520 x 270 x 150 mm
Operating temperature	-5 : +50 °C
Relative humidity	25 % - 90 %
Indicators	Power, alarm, fault, bypass, 3x LED speech level, 2x LED (CDSO status) each button
Connectors	Digital BUS + power, external power supply, 0 dB RCA audio input

AUDIO SPECIFICATION

Frequency response	150 Hz - 16 kHz (- 3 dB)
Distortion (THD + N) (1 kHz)	< 0,1 %
Signal-to-noise ratio	> 65 dB

OTHERS

IP protection	IP30 (OME1, OME2)
---------------	-------------------

All rights reserved.

The information contained in this document is believed to be accurate; however, no representation or warranty is given, and pAudio Technologies assumes no liability regarding its accuracy or completeness.