

MA – DESKTOP PAGING CONSOLE MICROPHONE

FEATURES

- Goosneck microphone
- High performance microphone capsule
- 32-bit DSP audio processor
- Reliable mechanical buttons
- 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 IVO PAVA system
- Aluminium housing
- Built-in audio input
- Built-in loudspeaker
- Intercom functionality
- Wall-mounting option
- Digital communication
- Maximum cable length: 500 m
- Gain control
- Direct power supply from the IVO PAVA system
- Wide frequency response
- Ultra-low quiescent mode
- Password protection



Certificate of constancy of performance 1438-CPR-1077
Certificate of admittance 5641/2025



MA20



Back panel

EN54 16

Options:

- MA10 – 5 + 10 buttons
- MA20 – 5 + 20 buttons
- MA30 – 5 + 30 buttons
- ...
- MA150 – 5 + 150 buttons
- Mlxx – Non-alarm version of the console microphone, equipped with all-grey buttons (same specification as MAxx)

OVERVIEW

The MA range of desktop paging microphones is part of the IVO EN54-16 certified system. Each unit is equipped with a gooseneck 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 MA 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 and password protection are also supported, ensuring secure and uninterrupted operation.

MA 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 (MA20)
Standards	EN54, CE
Mechanical	230 x 185 x 60 mm (MA10) 230(+n) x 185 x 60 mm (MA20), n = 60 mm ... 230(+14*n) x 185 x 60 mm (MA150)
Operating temperature	-5 : +50 °C
Relative humidity	25 % - 90 %
Indicators	Power, alarm, fault, bypass, 3x LED speech level, 2x LED (system 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	> 75 dB

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