

# MICROPHONE CONSOLE M-100



A STANDLONE SERVERLESS  
AUDIO SOLUTION

## MICROPHONE CONSOLE

The M100 Dispatch Microphone Console is a versatile and high-performance SIP-enabled device for seamless communication. It features 30 programmable fast keys that can be used for paging, intercom, music playback, outbound phone calls, and emergency alarm activation. With multicast and peer-to-peer technology, it serves as a standalone serverless console for individual and group paging, internal calls, and more. The console also allows users to save music and prerecorded messages in the local storage TF card, ensuring reliable and efficient communication capabilities. The M100 Dispatch Microphone Console is ideal for a wide range of industries, including emergency services, schools, transportation, and hospitality, thanks to its advanced features and reliable performance.

### HIGHLIGHTS

#### **SERVER-LESS PAGING UP TO 30 ZONES**



M100 uses multicast technology and a sophisticated controlling mechanism to enable communication to up to 30 zones or individual devices without the need for a separate server

#### **EXTERNAL MUSIC COLLECTION**



With the M100, you can easily connect an external music source, such as an MP3 to play music through the system, providing a convenient way to play other audio content.

#### **MUSIC AND PRE-RECORDED MESSAGE**



The M100 features a TF card slot that allows you to store and play pre-recorded messages and music within the device's system, making it ideal for announcements or background music.

#### **STANDARD SIP INTEGRATION**



Standard SIP protocol making it easy to integrate into existing infrastructure such as an IP-PBX, and to create a flexible and scalable communication system with other SIP-based devices

#### **VERSATILE FUNCTIONALITY**



In addition to its wide range of audio applications, the M100 can also send HTTP requests to external applications for certain actions, providing added versatility and functionality.

#### **EASY INSTALLATION WITH POE**



The M100 is designed for easy installation, with simple wiring by connecting it to an existing IP network with a PoE cable, eliminating the need for additional wiring or power supplies

## SPECIFICATIONS

### Speaker

Speaker Component	φ45mm full frequency
Sensitivity	95±3dB / 1W / 1m
Max Sound Pressure Level	100dB
Impedance	8Ω
Power	3W

### Gooseneck Microphone

Sensitivity	36±2dB
Max Sound Pressure Level	110dB
Impedance	680Ω

### LCD Display

Size	4.3 inches
Resolution	480p*270p
Viewing Angle	70°/70°/50°/70° (L/R/U/D)
Color	24-bit 8R8G8B

### Audio Jack

Audio Input	3.5mm audio jack
Audio Output	3.5mm audio jack

### Button

Speed Dial Key	3*10
Page Up & Down Keys	1+1
Answer Button	1
Hang-up Button	1
Mute Button	1
Volume Adjustment Key	1+1
Reset Button	1

### Audio

Audio Codecs	G.722, G.711 A-law, G.711 U-law, Opus
Audio Streaming	MP3 sampling rate 8-48KHz, bit rate 64-320kbps, mono or stereo

### Network

Network Interface	10/100Mbps, Support PoE IEEE 802.3 af/at
Network Protocol	SIP (RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH

### Administration

Configuration	Web management interface or auto provisioning server
Provisioning	MQTT IoT Protocol

### Mechanical Properties

Power Input	DC 12V 1A or PoE IEEE 802.3af/at
Memory	256MB DDR3, 256MB Falsh
Network Interface	RJ45 * 1
Rated Load of Dry Contact	AC125V/0.3A DC30V/1A
RS485	Half duplex
TF Card	32GB
Casing	ABS plastic panel, aluminum profile base
Weight	1.2KG
Dimension	210*190*46 mm
Mounting Method	Desktop installation

### Environmental

Installation Environment	Indoor
Operating Temperature	-20°C - 50°C ( -4°F - 122°F )
Storage Temperature	-40°C - 70°C ( -40°F - 158°F )
Humidity	10%-95% RH Non-condensing

### Approvals

Approvals	EN 55032:2015, EN 55035:2017, EN 61000-3-2:2019, EN 61000-3-3:2019, EN 62368-1:2020, FCC Part 15B
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### APPLICABLE SCENARIOS



Schools



Venue



Office Building



Airport



Financial  
Institutions



Hotel



Government  
Agency



Shopping Mall

RoHS CE FC 10

