

# MACKENZIE

## minimac

### COMPACT AUDIO MESSAGE REPEATER

#### Features:

- On board recording capability
- Compact size, just 6.7 W x 3.2H x 1.3D
- Up to 8kHz bandwidth
- Crystal clear 16 bit PCM coding
- Line level input
- Microphone input
- Line level output
- Speaker output(4 watts, 10 watt option)
- Playing relay
- Multi-message(4) sequencing capability
- 4 minute capacity
- Non-Volatile FLASH memory
- Rugged enclosure



At last, a small, easy to use, high quality and affordable digital audio message repeater - minimac.

Anywhere or anytime, minimac is a reliable way to get an audio announcement where you need it when you need it. minimac allows the user to record up to 4 minutes of crystal clear 100Hz - 8kHz audio. Once recorded, the unit may be triggered to playback via a contact closure from a user supplied pushbutton, motion sensor or other control device.

Small size allows minimac to be put almost anywhere. Non-volatile flash memory means the minimac will retain its message even during a power outage. Built-in amplifier allows the unit to drive a speaker directly in close proximity applications.

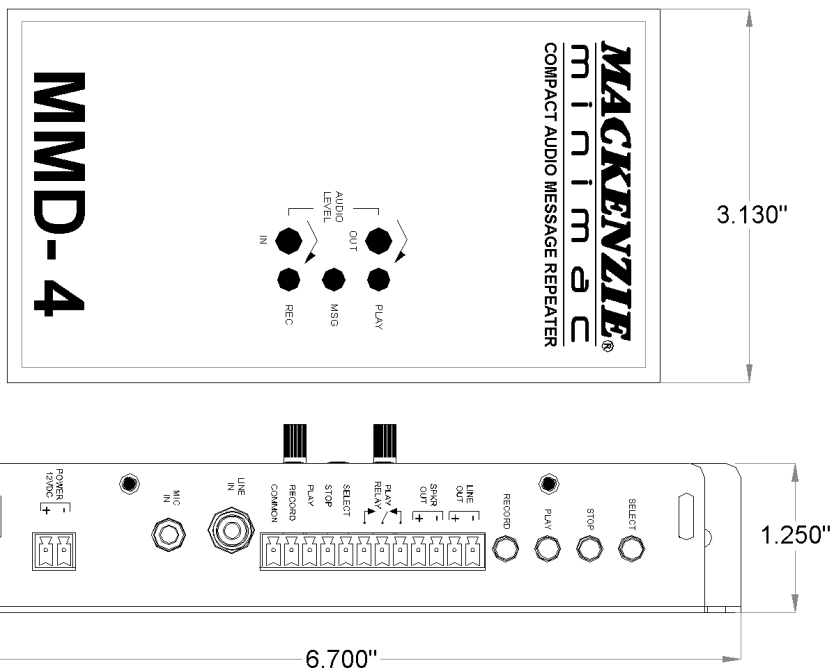
minimac is also able to store up to 4 individual messages. Sequencing mode allows each trigger to it will play the next message until it reaches the last, then it will start from the beginning. Standard mode allows minimac to play a the same message location each time the unit is triggered.

RS232 interface and SmartMedia(SSFDC) memory support available in OEM quantities.

#### Unique Applications:

- Safety instructions for family entertainment center rides
- Add voice to a theme park characters costume under battery power
- Nature trail information under solar power
- Public area(schools, workyard, etc.) warning messages(tornado, earthquake, etc.)
- Sightseeing tour commentary

**minimac is back, and better than ever**



### Specifications

#### Audio Coding:

Method: 16 bit PCM, uncompressed  
 Sample Rate: 16kHz

#### Audio Quality:

Dynamic Range: 60dB, Typical  
 Signal to Noise: 60dB, Typical  
 Frequency Resp.: 100Hz to 8kHz

#### Audio Input:

Line: 10k ohm, RCA  
 Mic: 1.5k ohm, 1/8" mini jack  
 Level: +4dBm max., potentiometer

#### Audio Output:

Line: 600 ohm(+4dBm max.), transformer isolated, Pluggable terminal  
 Amplified: 4 watts into 8 ohm, Pluggable terminal  
 Level: Potentiometer

#### Audio Memory:

Type: FLASH EPROM  
 Capacity: 8MB, 4 min local record

#### Power Requirement:

Input Voltage: 12vdc  
 Current: 1 amp  
 Connection: Pluggable terminal

#### Manual Control & Status:

Pushbuttons: Record, Stop, Play, Select  
 Status Indicators: Play, MSG, Record LED's

#### Remote Control I/O:

Control Inputs: Record, Stop, Play, Select  
 Status Outputs: Playing  
 Output Type: Dry relay contact(Form C), 1A @24VDC non-inductive load  
 Connection: Pluggable terminal

#### Mechanical:

Package: Wall or table mount chassis  
 Material: 18 gauge cold rolled steel; black paint, white silkscreen  
 Rack mount(option): 1U adapter

#### Regulatory Agency Approvals:

FCC, Part 15, Class A; UL/CSA approval on external power pack(sold separately)

Specifications and Pricing are subject to change without notice

Distributed by: Vista Group International, Inc.  
 110 Richards Avenue - North Wing  
 Norwalk, CT 06854 - 1622 ■ USA

Tel: (203) 852-5557 ■ Fax: (203) 852-5559  
[www.VistaGroupInternational.com](http://www.VistaGroupInternational.com)  
 Email: [info@vistagroupinternational.com](mailto:info@vistagroupinternational.com)