

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 the same message location each time the unit is triggered.

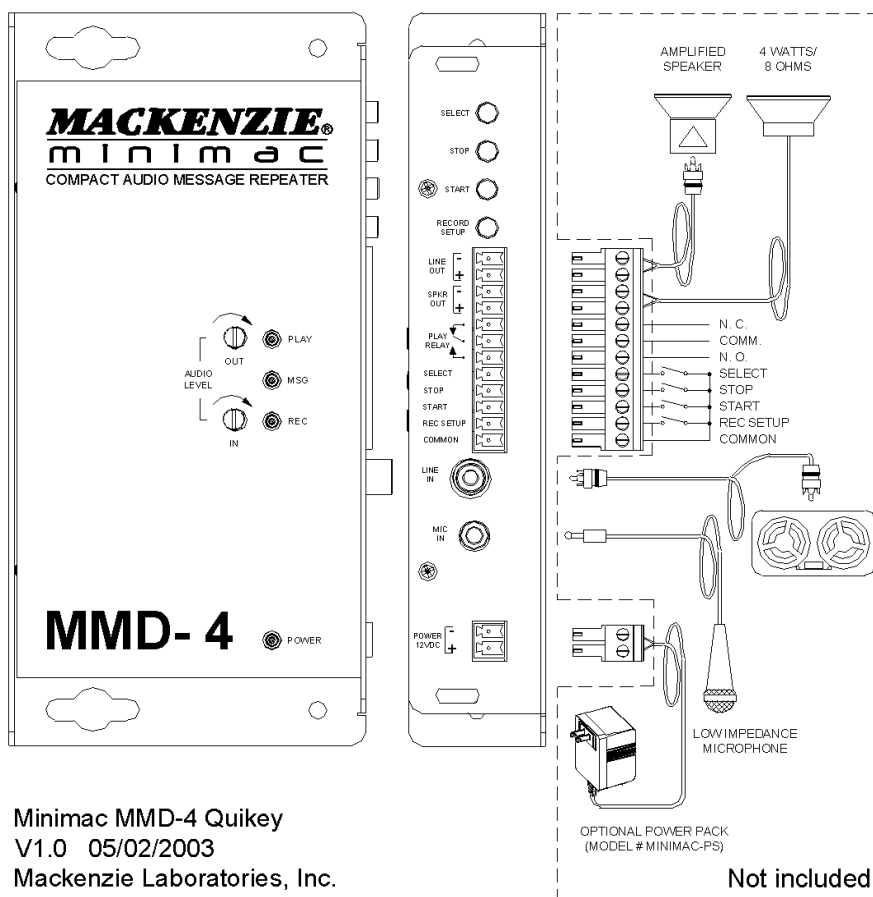
Models: MMD-4: 4 minutes, 4 watt speaker output, 12VDC
MMD-4/10W: 4 minutes, 10 watt speaker output, 15VDC

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



Minimac MMD-4 Quikey
V1.0 05/02/2003
Mackenzie Laboratories, Inc.

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(STD), 10 watts into 8 ohm(optional), Pluggable terminal
Level: Potentiometer

Audio Memory:

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

Power Requirement:

Input Voltage(STD): 12VDC, 1A(Sprk Out) or 250mA(Line Out)
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
Pluggable terminal

Mechanical:

Package: Wall or table mount chassis
Material: 18 gauge cold rolled steel; red 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

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