MACFI-MD MP3 DIGITAL AUDIO RECORD / PLAY SYSTEM MACFI-MD

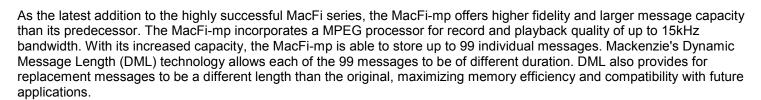


Features:

- MPEG 1, Layer 3 (MP3) record and playback
- Local Record capability
- User-friendly controls
- 99 independent messages(01 99)
- Instantaneous, random access of messages
- Flash memory, no battery backup required
- DML Dynamic Message Length
- **■** Line and microphone inputs
- Line and speaker outputs
- Shock and vibration resistant
- Several playback modes
- Plaving relav
- Rack mount kits available as an option

MacFi-mpe Adds:

- Serial (RS-232) control, setup and audio file transfer
- MPEG 1, Layers 1, 2 & 3 playback capability
- Synchronization relay for sequencing applications
- Front mount LED indicators and manual controls for convenience in rack applications with optional rack mount kit.



Local recording is accomplished through a straight forward user interface with standard line level and microphone connections. Line and amplified audio outputs are provided with level control. Eight message triggers are available on the remote control terminal while the remainder may be accessed by the user interface or the Serial (RS-232) interface of the MacFi-mpe.

The MacFi-mpe adds enhanced functionality to the standard MacFi-mp. These features include Serial (RS-232) interface and synchronization relay. Push buttons and LED indicators of the MacFi-mpe are relocated to the front of the system for better accessibility in rack mount applications. The Serial interface of the MacFi-mpe allows for complete control of recording and playback as well as customization of default settings. Audio files may be mastered on a Personal Computer then digitally transferred to the MacFi-mpe in MPEG 1 Layer 1, Layer 2 or Layer 3(MP3) formats.

The MacFi-mp utilizes solid state, non-volatile, FLASH memory which stores messages until they are re-written. Message data is protected from power outages and no battery is required. The system contains no moving parts and offers unsurpassed reliability.

The MacFi-mp offers a standard one year warranty and is proudly manufactured in the USA.

Models and Accessories Available:

MacFi-mp 40 Standard version, 40 minutes of local recording (32MB)

MacFi-mpe 40 Enhanced version (RS-232, sync relay), 40 minutes of local recording (32MB)

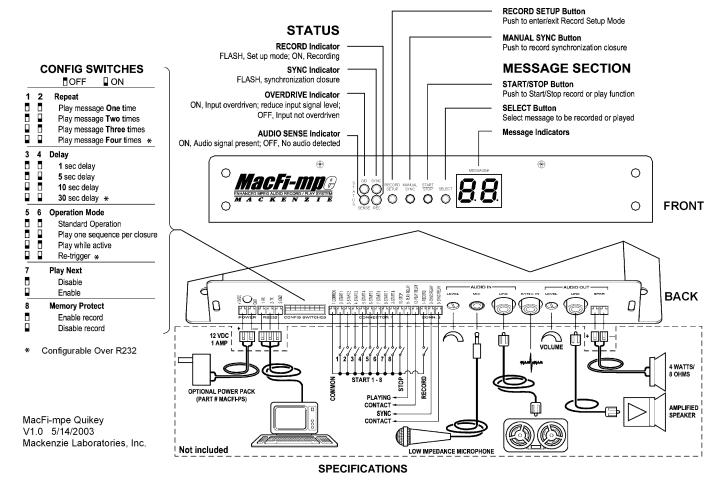
ICM-25 Adds 25 start contacts to the MacFi-mpe. Multiple units may be used.



Making A Difference, One At A Time



MP3 DIGITAL AUDIO RECORD / PLAY SYSTEM



Audio Coding:

Recording: MPEG 1, Layer 3(VBR)

Playback: MPEG 1, Layer 3(VBR) or MPEG 1, Layer 1, 2

& 3 via audio file transfer capability of the

MacFi-mpe

Audio Quality:

DynamicRange: 80dB, Typical
Signal to Noise: 80dB, Typical
Frequency Resp.: 50Hz to 15kHz
THD: <0.5% at 1kHz, Typical

Audio Input:

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

Sync Input(MacFi-mpe Only):

Interface: 10k ohm, RCA

Mode: Audio sensor detects tones 100mS in duration

Audio Output:

Line: 600 ohm(+4dBm max.), transformer isolated,

RCA

Amplified: 4 watts into 8 ohm, 2 pin pluggable terminal

Level: Potentiometer

Audio Memory:

Type: FLASH EPROM

Capacity: 32MB, 40 min local record

Power Requirement:

Input Voltage: 12vdc, 1 amp

Connection: 2 pin pluggable terminal

Serial Interface (MacFi-mpe version only):

Type: RS-232

Mode: 9,600 or 115,200 baud,

8 data bits, 1 stop bit,

no parity, no flow control

Commands: Play, Record, Stop, File Download, Status, etc.

Connection: 3 pin pluggable terminal

Control I/O:

Control Inputs: Record, Stop, 8 individual message Start

contacts.

ICM-25(Option): Add to the MacFi-mpe for 25 more start inputs

per module.

Status Outputs: Playing, Sync(MacFi-mpe version only)

Output Type: Dry relay contact, 1A @24VDC non-inductive

load

Connection: Pluggable terminal

Mechanical:

Package: Wall mount chassis, 10" W x 8" D x 1.5" H

Material: 18 gauge cold rolled steel chassis; black

powder coat, 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

Tel: (909) 394-9007 • Fax: (909) 394-9411 Web: www.macklabs.com Email: info@macklabs.com

MACFIMP07092003