

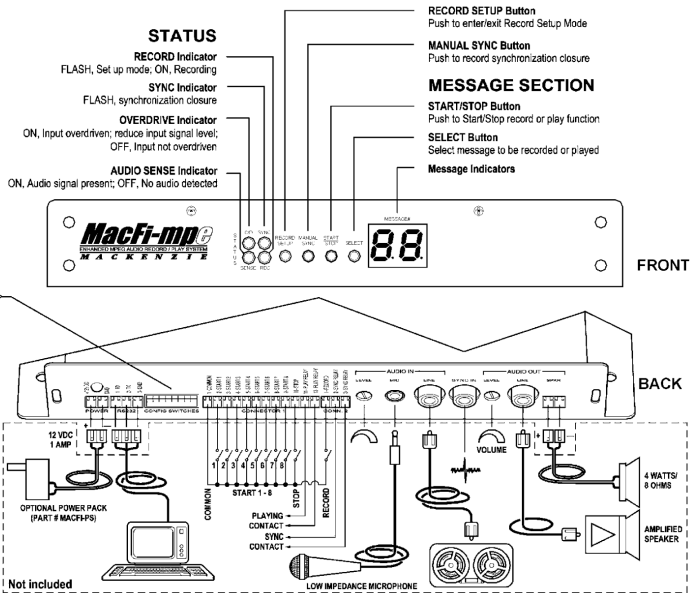
# THE MacFi-MP MP3 DIGITAL AUDIO RECORD / PLAY SYSTEM

## CONFIG SWITCHES

- OFF  ON
- 1 2 Repeat**  
 Play message One time  
 Play message Two times  
 Play message Three times  
 Play message Four times \*
- 3 4 Delay**  
 1 sec delay  
 5 sec delay  
 10 sec delay  
 30 sec delay \*
- 5 6 Operation Mode**  
 Standard Operation  
 Play one sequence per closure  
 Play while active  
 Re-trigger \*
- 7 Play Next**  
 Disable  
 Enable
- 8 Memory Protect**  
 Enable record  
 Disable record

\* Configurable Over R232

MacFi-mpe Quikkey  
 V1.0 5/14/2003  
 Mackenzie Laboratories, Inc.



## SPECIFICATIONS

### 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:

Dynamic Range: 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: 8MB, 10 min local record  
 32MB, 40 min local record

### Power Requirement:

Input Voltage: 12vdc  
 Current: 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(Optional): 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  
 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)