

MACKENZIE

OPM-1S

OVERHEAD PAGE MANAGEMENT PAGE STACKER & FEEDBACK ELIMINATOR

Features:

- Stack and Play up to 16 pages
- Record new pages while previous pages are playing back
- 4 minute total recording time
- Repeat page mode
- Delay between pages
- Dry Loop/Loop start modes
- Line level and 8ohm output modes
- Priority bypass input
- DTMF tone stripping
- DTMF inhibitor function



The increased sophistication of today's intercom and paging systems requires products that are easily integrated into a wide variety of applications. They must also provide increased intelligibility with better system clarity, vocal definition and reliability.

Mackenzie Laboratories continues to respond to these requirements with the OPM-1S. Designed for use in high traffic public address systems, the OPM-1S, page stacker and feedback eliminator offers 4 minutes of audio storage with excellent audio clarity. Page stacking and record while play are key features of the OPM-1S design. The unit is able to stack and play up to 16 pages while recording new pages at the same time.

Additionally, the OPM-1S makes feedback through the paging system virtually impossible by opening the loop between the input microphone and speakers. This eliminates the potential for acoustic feedback while giving the user flexibility in the manner which pages are broadcast. Multiple operational modes, Dry or Loop Start, Page Repeat, Delay, Pre-Page Tone and Priority bypass features allow the OPM-1S to be tailored to many paging applications.

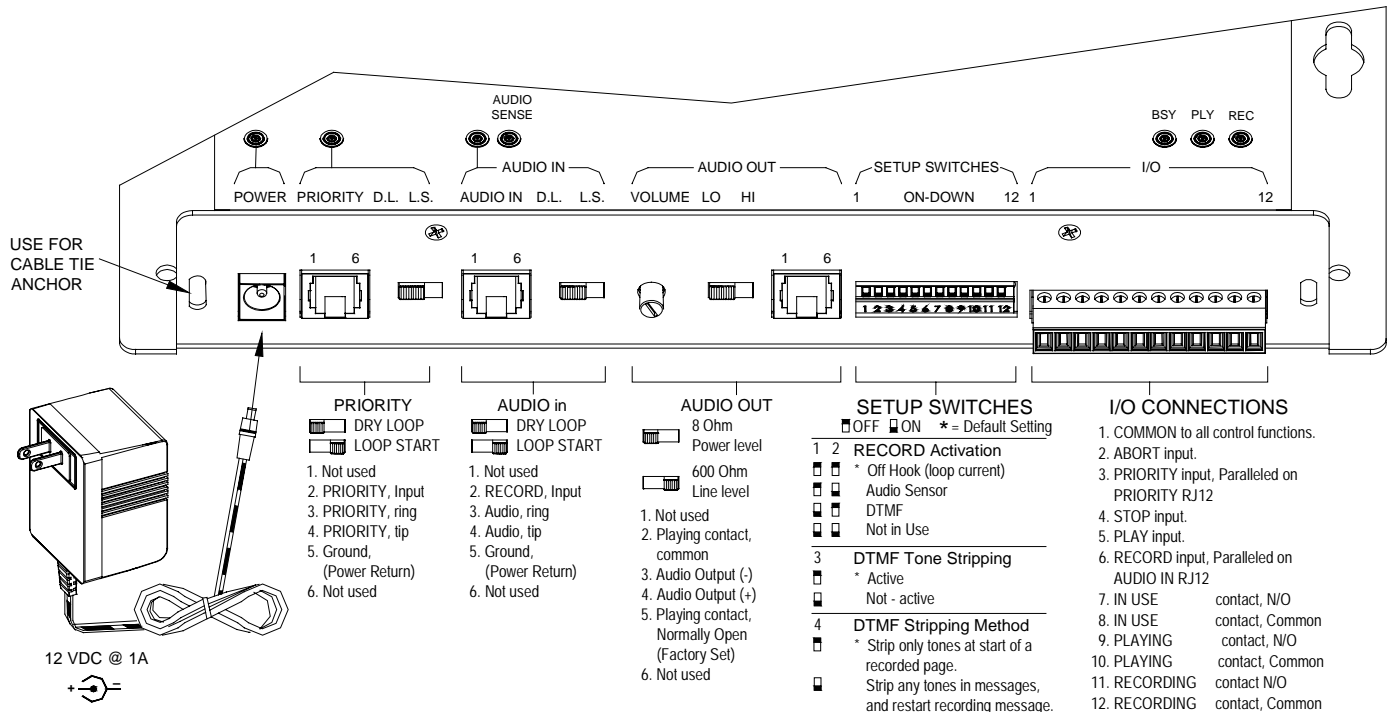
SAMPLE APPLICATIONS	OPM-1S SOLUTION
Airports with multiple zone requirements	Capture DTMF commands from page and pass them to the zone controller
Industrial facilities with paging feedback problems	Recording then playing message eliminates feedback
Retail location with busy paging system	Record while play capability and use of multiple units offers efficiency and more inputs to the paging system

The OPM-1S is manufactured in the USA and available for immediate delivery.

Making A Difference, One At A Time

OPM-1S

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SPECIFICATIONS

Audio Quality:

Method: 16 bit PCM, mono
 Dynamic Range: 60dB, Typical
 Signal to Noise: 60dB, Typical
 Frequency Resp.: 100Hz to 6.8kHz

Audio Connections:

Page Input: RJ12, 600ohm, transformer isolated
 Priority Input: RJ12, 600ohm, transformer isolated
 Line/Power Output: RJ12, adjustable, +4dB/600ohm OR 500mW/8ohm, transformer isolated

Audio Memory:

Type: DRAM
 Capacity: 8MB, 4 min local record

Power:

Input Voltage: 12VDC, 1A power pack(included)
 Connection: 2.5mm barrel, center positive

Control I/O:

Control Inputs: Record, Play, Stop, Priority, Abort
 LED Indicators: Power, Priority Active, Audio In Active, Audio Sense, Busy, Play, Record
 Output Contacts: Busy, Playing, Record

- PRIORITY**
- DRY LOOP
 - LOOP START
1. Not used
 2. PRIORITY, Input
 3. PRIORITY, ring
 4. PRIORITY, tip
 5. Ground, (Power Return)
 6. Not used

- AUDIO in**
- DRY LOOP
 - LOOP START
1. Not used
 2. RECORD, Input
 3. Audio, ring
 4. Audio, tip
 5. Ground, (Power Return)
 6. Not used

- AUDIO OUT**
- 8 Ohm Power level
 - 600 Ohm Line level
1. Not used
 2. Playing contact, common
 3. Audio Output (-)
 4. Audio Output (+)
 5. Playing contact, Normally Open (Factory Set)
 6. Not used

- SETUP SWITCHES**
- OFF ON * = Default Setting
- 1 2 **RECORD Activation**
 - * Off Hook (loop current)
 - Audio Sensor
 - DTMF
 - Not in Use
 - 3 **DTMF Tone Stripping**
 - * Active
 - Not - active
 - 4 **DTMF Stripping Method**
 - * Strip only tones at start of a recorded page.
 - Strip any tones in messages, and restart recording message.

- 5 6 **DTMF Allotment**
 - * Unlimited
 - 4 tones
 - 3 tones
 - 2 tones
- 7 **"#,#" Abort Enable**
 - * Active
 - Inhibit
- 8 **Play Mode**
 - * Automatic
 - Manual
- 9 **Pre-Page Tone**
 - * Not Active
 - Active
- 10 **Number of Plays**
 - * Play message one time
 - Play message two times.
- 11 12 **Delays Between Plays**
 - * 1 second (Minimum)
 - 3 seconds
 - 5 seconds
 - 10 seconds

- I/O CONNECTIONS**
1. COMMON to all control functions.
 2. ABORT input.
 3. PRIORITY input, Paralleled on PRIORITY RJ12
 4. STOP input.
 5. PLAY input.
 6. RECORD input, Paralleled on AUDIO IN RJ12
 7. IN USE contact, N/O
 8. IN USE contact, Common
 9. PLAYING contact, N/O
 10. PLAYING contact, Common
 11. RECORDING contact N/O
 12. RECORDING contact, Common

Mechanical:

Package: Wall or table mount chassis
 Rack mount: 1U adapter(optional)
 Size: 10"W x 6.5"D x 1.5"H
 Material: 18 gauge cold rolled steel, gray paint, black silkscreen

Regulatory Agency Approvals:

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

Specifications and Pricing are subject to change without notice

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