

# 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 staker 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.

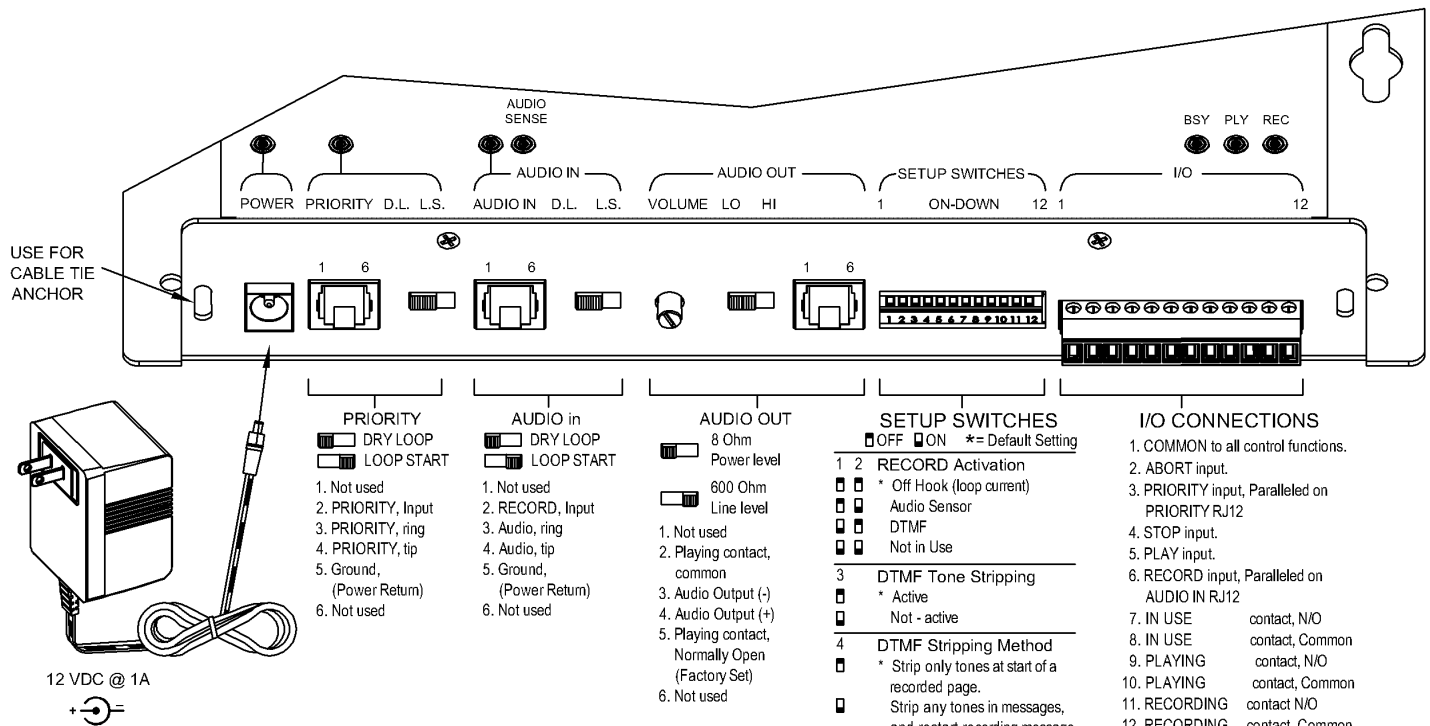
SAMPLE APPLICATIONS	OPM-1S SOLUTION
Airports with multiple zone requirements	Capture DTMF commands from page and pass them to the zone controller
Industrial facilities with paging feedback problems	Recording then playing message eliminates feedback
Retail location with busy paging system	Record while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

## OVERHEAD PAGE MANAGEMENT PAGE STACKER & FEEDBACK ELIMINATOR



### 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

- | SETUP SWITCHES           |                          | I/O CONNECTIONS |   |
|--------------------------|--------------------------|-----------------|---|
| OFF                      | ON                       | *               | = Default Setting                           |
| 1                        | 2                        | 1.              | COMMON to all control functions.            |
| <input type="checkbox"/> | <input type="checkbox"/> | 2.              | ABORT input.                                |
| <input type="checkbox"/> | <input type="checkbox"/> | 3.              | PRIORITY input, Paralleled on PRIORITY RJ12 |
| <input type="checkbox"/> | <input type="checkbox"/> | 4.              | STOP input.                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | 5.              | PLAY input.                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | 6.              | RECORD input, Paralleled on AUDIO IN RJ12   |
| <input type="checkbox"/> | <input type="checkbox"/> | 7.              | IN USE contact, N/O                         |
| <input type="checkbox"/> | <input type="checkbox"/> | 8.              | IN USE contact, Common                      |
| <input type="checkbox"/> | <input type="checkbox"/> | 9.              | PLAYING contact, N/O                        |
| <input type="checkbox"/> | <input type="checkbox"/> | 10.             | PLAYING contact, Common                     |
| <input type="checkbox"/> | <input type="checkbox"/> | 11.             | RECORDING contact N/O                       |
| <input type="checkbox"/> | <input type="checkbox"/> | 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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