



PRM™ -8 PAGE ROUTING MODULE

Oxmoor Corporation, LLC's eight-channel PRM-8 Page Routing Module simplifies page routing within multiple-zone sound systems. Page inputs are easily routed to any one, or any combination, of the module's eight program channels.

Upon initiation of a page, program audio at each selected channel is automatically faded to a user-determined level and mixed with the page signal. Upon completion of a page the program audio on each channel is ramped smoothly back to its original level.

The PRM-8 has two page inputs. Their function, "Zone Page" and/or "All Page," is determined by internal dip switches. The input selected for All Page takes priority over the Zone Page input.

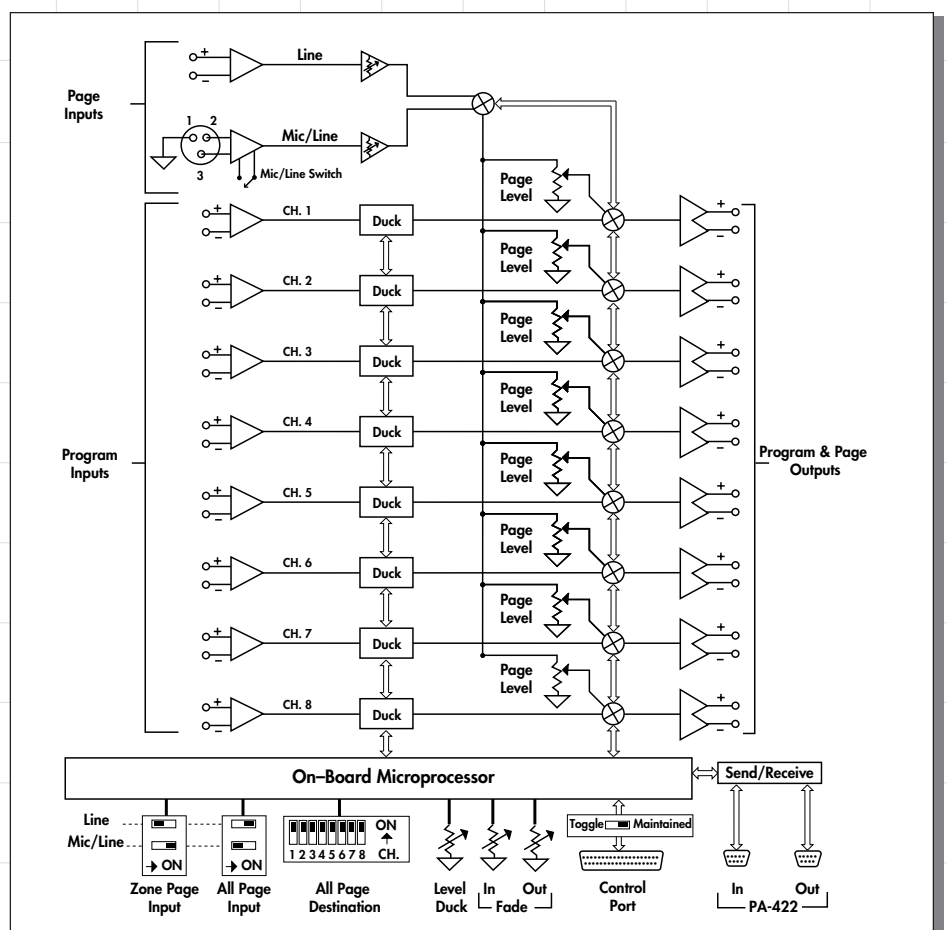
Accessed through the control port, the "Zone Page Enable" control routes the Zone Page input to the selected program channels. During this page, the program audio of each selected channel is ducked as determined by the "Duck Level."

Similarly, the "All Page Enable" control routes the All Page input to all program channels. During this page, the program audio of all channels is ducked as determined by the Duck Level.

In some installations it is desirable to prevent the All Page signal from being heard in certain zones. An "All Page Destination" dip switch allows individual channels to be easily removed from the All Page function.

Screwdriver-adjustable controls on the front panel of the compact, 1U chassis include Duck Level, for setting the level to which program audio is attenuated during a Zone Page and All Page. "Fade In" adjusts the time required for the program audio to reach the duck level upon initiation of a page. "Fade Out" adjustment determines the time required for the program audio to return to its original level upon completion of a page. "Page Level" gain controls provide independent page level settings for each program channel.

Controls on the rear of the PRM-8 include a "Mic, Line" switch for configuring the page Mic/Line input to accept ei-



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ther a microphone source or a line-level source and screwdriver-adjustable attenuators for both page inputs.

A Control Port allows the use of contact closures, momentary or maintained (user selectable), for Zone Page selection, Zone Page clear, Zone Page Enable, and All Page Enable. DC power is also present for adding LED tally indicators for all control functions.

The PRM-8 is ideally suited to solving the complex patching requirements of paging within room combining systems. When linked to Oxmoor's MCS Room Combining System through PA-422 ports, the Page Module tracks room combining changes. As a result, a page routed to one channel within a combined group will go to all channels in the group. Besides allowing communica-

tion between the PRM-8 and the MCS-Mainframe, the PA-422 ports make possible the utilization of an alternative controller.

All PRM-8 audio inputs and outputs are electronically balanced and accommodate either balanced or unbalanced lines. Terminal block connectors insure easy installation and solid mechanical connection for the eight program channel inputs and outputs as well as the line-level page input. The page Mic/Line connection is through a standard female XLR-type connector.

The PRM-8 Page Module brings simplicity to system design, installation and operation, along with the uncompromising performance and reliability for which Oxmoor products are well known and respected.

PRM-8 SPECIFICATIONS



FREQUENCY RESPONSE	20 Hz to 20 kHz	+0, -0.3 dB
HUM AND NOISE	Ref. +4 dBm Output @ Unity Gain	-94 dB (20 Hz to 20 kHz, Unweighted)
DISTORTION	THD + Noise	0.0016% (20 Hz to 20 kHz BW)
CROSSTALK	Channel to Channel	-80 dB (20 Hz to 20 kHz)
PROGRAM INPUTS	Type Connectors Input Impedance Input Sensitivity	Electronically Balanced (RF Suppressed) Screw Terminal Blocks with Mating Connector 80 K Ohms Nominal +4 dBu, Maximum +24 dBu
PROGRAM OUTPUTS	Type Connectors Source Impedance Recommended Load Impedance Maximum Output Level Terminated w/600 Ohms Unterminated	Electronically Balanced (RF Suppressed) Screw Terminal Blocks with Mating Connector 150 Ohms (75/Ohms Side) 600 Ohms or Greater Ref. 1 kHz @ Rated THD +24 dBm +26 dBu
PAGE MIC/LINE INPUT	Type Connectors Input Impedance Mic. Input Sensitivity Mic. Gain Control Range Line Input Sensitivity Mic/Line Switch	Electronically Balanced (RF Suppressed) Female, 3-Pin, XLR-Type 1.5 K Ohms Nominal -50 dBu -50 dB to 0 dB Nominal +4 dBu, Maximum +24 dBu Sets Input for Microphone or Line Level Source
PAGE LINE INPUT	Type Connectors Input Impedance Input Sensitivity Gain Control Range	Electronically Balanced (RF Suppressed) Screw Terminal Blocks with Mating Connector 80 K Ohms Nominal +4 dBu, Maximum +24 dBu ± 15 dB
PAGE LEVEL CONTROLS	Ref. +4 dBm Output @ Unity Gain	0 to -80 dB (Accessed Through Front Panel)
DUCK ADJUSTMENTS	Attenuation Fade In Fade Out	0 dB to -80 dB (Variable) 0 to 5 Seconds (Variable) 0 to 5 Seconds (Variable)
CONTROL PORT	Connector Input Type Logic Action "Selectable" Logic Levels Maximum Sink Current Maximum Cable Length Switching Time Power Output	25-pin D-sub, Female Active Low, Internally Pulled Up Momentary or Maintained Closure to Common Low < .8 Volts, High > 2.4 Volts 1 mA 600 m (2000 ft.), #22 AWG 50 ms +15 VDC \pm 0.1 V, 50 mA
COMMUNICATION	Protocol Input Connector Output Connector	PA-422 9-pin D-sub, Male 9-pin D-sub, Female
MAINS POWER	Power Requirements	100 to 125 VAC or 200 to 230 VAC, 50/60 Hz
MECHANICAL	Overall Dimensions Finish Weight	44 H x 482 W x 183 D mm (1.72 H x 19 W x 10 D in) Textured Black Paint Shipping: 3.8 Kg (8.5 lb) Net: 3.1 Kg (6.9 lb)

Specifications subject to change without notice. *SMPTE Method; 60 Hz +7 kHz mixed 4:1.

REV: 3.1 7/23/01