

**Features**

- For use with 5100-9200 Series Modular Mixers or Mixer Amplifiers
- Operates with low distortion and low noise
- 20 Hz to 20 kHz wide range frequency response
- Wide dynamic range
- Preamps include gain control
- Mounting uses an industry standard universal 6-pin edge connector
- Modules are acceptable in any port
- Defeatable phantom power on all electronically balanced microphone modules
- Choice of slave mute, master/slave selectable mute and compressor threshold control on specific modules

5100-9200 Series Plug-in Module Type Reference  
(5100-9285 module type not shown)**Description**

The unique design of the 5100-9200 Modular Mixers and Mixer Amplifier bus allows any of these 5100-9200 Series plug-in modules to be used in any available port location. This allows convenient custom configuration of the front level controls to suit specific application requirements.

Plug-in module installation or replacement is fast and simple. Modules easily slide into the ports and can be secured with two small screws.

Modules are designed to assist external cable organization and strain relief by using cable ties attached to the cable support bracket. The bracket is insulated by a rubber grommet to prevent damage to the cable tie.

**Product Selection**

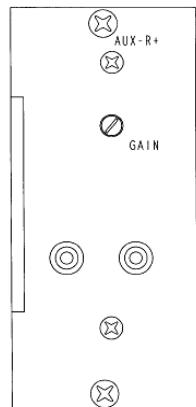
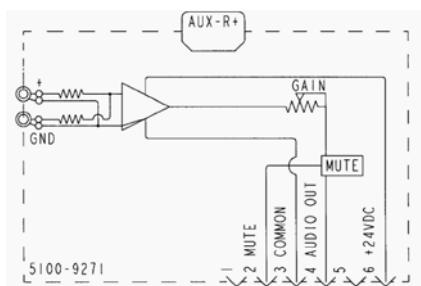
Model	Description
5100-9271 (AUX-R+)	Auxiliary Preamp with Muting; includes two RCA phone connectors (summed) and variable gain control
5100-9276 (MPE-X)	Microphone Preamplifier, electronically balanced with mute master/mute slave capability, phantom power (defeatable); includes a female XLR connector and variable gain control (same appearance as MPT-X shown above)
5100-9277 (BTM-S)	Bridging Input Module with screw terminals, transformer isolated termination selectable as 10 kΩ or 600 Ω; module is mute slave capable (defeatable)
5100-9285 (AUX-SR)	Auxiliary Preamp with Muting; module includes a front mounted terminal block and remote volume capabilities

## Module Specifications

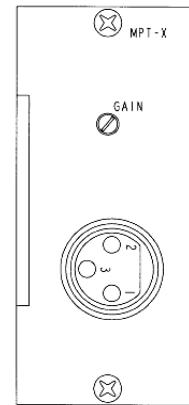
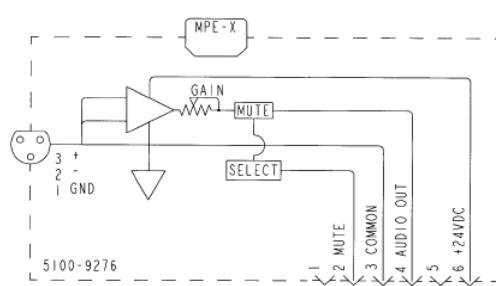
Model	5100-9271 (AUX-R+)	5100-9276 (MPE-X)	5100-9277 (BTM-S)	5100-9285 (AUX-SR)
<b>Description</b>	Aux. Preamp with Muting	Mike Preamp	Bridging Input Module	Aux. Preamp with Muting and Remote Volume
Gain	+40 to -30 dB	+13 to +53 dB	-1 dB	0 dB to -31 dB
Input Sensitivity	100 mV to 3.2 V	0.25 mV to 22 mV	125 mV	100 mV to 3.5 mV
Frequency Response	20 Hz to 20 kHz ± 0.5 dB	20 Hz to 20 kHz ± 1 dB	20 Hz to 20 kHz ± 1 dB	20 Hz to 20 kHz ± 0.5 dB
Power Requirements	24V DC	24V DC, 13 mA	24 VDC	24 VDC
Signal to Noise Ratio (S/N)	90 dB	NA	NA	80 dB
Remote Volume Range	NA	NA	NA	0 to -60 dB (10 kΩ pot)
Muting Level	60 dB	NA	60 dB	60 dB
Control	Gain	Gain	NA	Gain
Load Impedance	10K Ω			
Maximum Input Level	NA	NA	20 dBm	NA
Source Impedance	NA	200 Ω	Selectable as 10 kΩ or 600 Ω balanced	200 Ω
EIN (20 to 20 kHz) (equivalent input noise)	NA	-123 dBu (200 Ω terminated)	NA	-123 dBu (200 Ω terminated)
Distortion	NA	< 0.1% with 1 mV input	NA	< 0.01% with 1 mV input
Muting	NA	Mute Master or Mute Slave (selectable)	NA	Mute Master or Mute Slave (selectable)
Attenuation (Slave)	NA	60 dB	NA	NA
Phantom Power	NA	12V DC (defeatable)	NA	NA
Weight	2.7 oz. (76.5 g)			
Mounting	Edge card connector			
Dimensions	3-1/16" H x 1-3/8" W x 3-1/2" D (78 mm x 35 mm x 89 mm)			

## Module Appearance and Wiring Reference

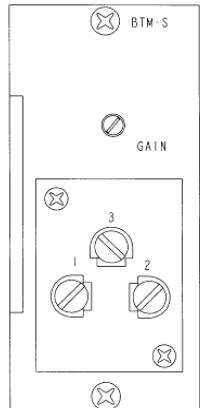
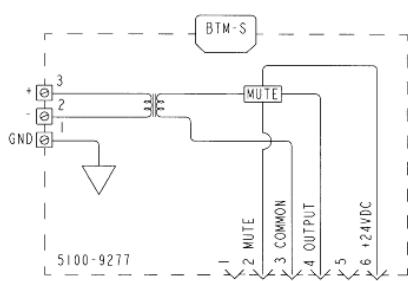
**5100-9271 (AUX-R+)**  
Aux. Preamp with Muting



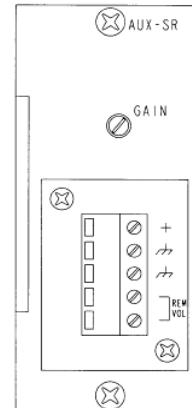
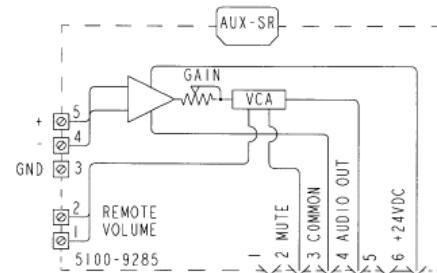
**5100-9276 (MPE-X)**  
Mike Preamp



**5100-9277 (BTM-S)**  
Bridging Input Module



**5100-9285 (AUX-SR)**  
Aux. Preamp with Muting and Remote Volume



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S5100-0003-2 5/2009

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