

PEAVEY[®]
ARCHITECTURAL ACOUSTICS[®]

MA[™] 6150 Seven Channel Modular Mixer Amplifier

SPECIFICATIONS



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OUTPUT POWER

150 watts RMS

POWER BANDWIDTH

Direct: 20 - 20K @ < 1.5% THD
XFMR: 35 - 20K @ < 1.5% THD

FREQUENCY RESPONSE

Direct: 20 - 20K \pm 1.0 dB
XFMR: 20 - 20K \pm 3 dB

TOTAL HARMONIC DISTORTION

0.02% at 1 kHz, 145W RMS
0.05% at 1 kHz, 150W RMS

OUTPUT REGULATION

Direct: < 0.5 dB
XFMR: < 1.0 dB

SIGNAL TO NOISE RATIO

Master Volume Min: 95 dB
Master Volume Max: 77 dB
Power Amp Only: 100 dB

TONE CONTROLS

Bass: \pm 10 dB @ 100 Hz
Treble: \pm 10 dB @ 10 kHz

CONTOUR

+ 6 dB @ 100 Hz
+ 6 dB @ 10 kHz

INPUTS

Six input ports, one dedicated
program input, bridge in/out

INPUT SENSITIVITY

Ports 1-6 and PGM: 100 mV
@ 10K ohms
Bridge In/Out: 100 mV/3.3K ohms

PREAMP OUT/POWER AMP IN

1.0V @ 600 ohms/1.0V 15K ohms

OUTPUTS

Direct Out: 4 ohms
XFMR: 8 ohms, 16 ohms, 25 volts,
70 volts

CONTROLS

7 input gain controls, 1 bass
control, 1 treble control, 1 contour
switch, 1 master gain control, 1
power switch, 1 EQ defeat switch,
1 link switch, 1 low-cut switch

INDICATORS

Power LED, bicolor (green/red) signal
status LED

PROTECTION

Internal current limiting, SPS
(speaker protection), output relays,
1 line fuse (external), and 2
internal fuses

CONNECTORS

Preamp Out, Power Amp In,
PGM input, bridge in/out:
RCA phono jack
Ports 1-6: Card edge connector
Remote Mute: 1/4" jack
AC SJT, 3 prong

POWER CONSUMPTION

AC 120 volts, 60 Hz, 400 watts

DIMENSIONS

5.20" (H) x 17.00" (W)
12.625" (D)

WEIGHT

33 lbs.

COLOR

Gray

STANDARD ACCESSORIES

Tinted security cover
Input port covers

OTHER FEATURES

Provisions for external master
volume control
Power output disconnected for 4
seconds after power on
Module level level-sensing muting

FEATURES:

- 7 channel mixer/power amplifier system
- 20 - 20 kHz frequency response
- Bridging input/output
- Contour switch (special equalization)
- Bass and treble controls
- Preamp output/power amp input patch capability
- Short circuit and thermal protection
- SPS[™] protection circuitry (internally defeatable)
- External volume control
- Built-in low cut filter (switchable from rear panel)
- Plug-in module capability
- Output impedance variations: 4 ohm, 8 ohm, 16 ohm, 25V and 70V
- Rack-mountable or stand alone package

DESCRIPTION

The Architectural Acoustics MA™ 6150 is a high quality mixer amplifier with seven separate input channels. Each channel provides a level control and the master output section features bass and treble EQ controls (defeatable), and special equalization contour.

The MA 6150 provides unmatched application flexibility with an array of optional plug-in modules, allowing the system to be tailor-made for specialized installations. Input modules may be loaded-in as required for varying sound reinforcement applications, number of input channels, special functions, etc.

The program input includes its own level control and is totally separate from the other six channels. External signals may be patched in at this point as a system auxiliary input or the seventh input channel. Signals appearing at this input are routed directly to the master summing amplifier stage and are mixed with signals from the other six channels. Systems requiring a single input may use

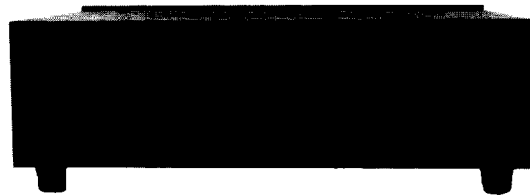
the program input and the purchase of an input module is not necessary. The program level control regulates the level of this input and the signal is routed through the system bass and treble controls.

The power section delivers 150 watts and includes built-in SPS™ protection, which allows the MA 6150 to produce full power capability without audible power amp clipping. A broad load impedance range is provided and twenty-five and seventy volt line outputs are standard equipment. The MA 6150 is packaged as a stand-alone unit but will also rack-mount into a standard 19" rack. A smoke-tinted security cover has been provided with a "snap-on" feature to guard against accidental or malicious alteration of system calibration.

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The mixer amplifier shall have six modular input channels and one dedicated program input. The master section shall include one master

volume level control, two EQ controls providing 10 dB of boost or cut at 100 Hz and 10 kHz, a "contour" switch providing 6 dB of boost at 100 Hz and 6 dB boost at 10 kHz, and a bicolor status LED. Internal muting shall be accomplished at the modular level by means of a dedicated mute line. External muting shall be accomplished via a ¼" jack on the back panel. Provision for an external master volume control shall be made through barrier strip connections on the back panel. The unit shall be packaged in a rugged metal chassis 17" wide by 5.20" high by 12.625" deep. The unit shall operate from 120 volts AC, 60 Hz power. The internal amplifier shall be capable of delivering 150 watts RMS into 4 ohms, 8 ohms, and 16 ohms as well as providing 25 volt and 70 volt line outputs. The unit shall be capable of delivering rated power from 20 Hz to 20 kHz \pm 1 dB into 4 ohms at its direct output at less than 1.5% distortion with system hum and noise at least 77 dB below rated output. The unit shall be a Peavey Architectural Acoustics Division model MA™ 6150.



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Features and specifications subject to change without notice.

A Division of Peavey Electronics Corporation

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