

PEAVEY[®]
ARCHITECTURAL ACOUSTICS[®]

MA[™] 635 Seven Channel Modular Mixer Amplifier

SPECIFICATIONS

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MA[™] 635

OUTPUT POWER

35 watts RMS

POWER BANDWIDTH

Direct: 20 - 20K < 0.5% THD
XFMR: 35 - 20K < 0.5% THD

FREQUENCY RESPONSE

Direct: 20 - 20K ± 1.0 dB
XFMR: 20 - 20K ± 3 dB

TOTAL HARMONIC DISTORTION

0.02% at 1 kHz, rated power

OUTPUT REGULATION

Direct: < 0.5 dB
XFMR: < 1.0 dB

SIGNAL TO NOISE RATIO

Master Volume Min: 95 dB
Master Volume Max: 79 dB
Power Amp Only: 100 dB

TONE CONTROLS

Bass: ±10 dB @ 100 Hz
Treble: ± 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

1.0 V @ 600 ohms/1.0V @ 15K ohms

OUTPUTS

Direct Out: 4 ohms
XFMR: 8 ohms, 16 ohms, 25 volts,
70 volts, 1V, 600 ohms balanced

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
Outputs: Screw terminals
Remote Mute: ¼" jack
AC SJT, 3 prong

POWER CONSUMPTION

AC 120 volts, 60 Hz, 75 watts

DIMENSIONS

5.20" H x 17.00" W x 12.625" D

WEIGHT

23 lbs.

COLOR

Gray

STANDARD ACCESSORIES

Input port covers

OTHER FEATURES

Balanced 600 ohm output
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
- SPS[™] protection circuitry (internally defeatable)
- 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
- 600 balanced output

DESCRIPTION

The Architectural Acoustics MA[™] 635 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 635 provides unmatched application flexibility with an array of optional plug-in modules, allowing each system to be tailor-made for specialized installations. Input modules may be loaded-in as required for varying 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 sections deliver 35 watts and includes built-in SPS™ protection, which allows the MA 635 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 635 is packaged as a stand-alone unit but will also rack-mount into a standard 19" rack. A smoke-tinted security cover is offered as an optional 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. 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 35 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 ± 1 dB into 4 ohms at its direct output at less than 0.5% distortion with system hum and noise at least 77 dB below rated output. The unit shall be a Peavey Architectural Acoustics Division model MA™ 635.

LIMITED WARRANTY

Peavey Electronics Corporation warrants to the original purchaser of this new Architectural Acoustics product that it is free from defects in material and workmanship. If within one (1) year from date of purchase a properly installed product proves to be defective and Peavey is notified, Peavey will repair or replace it at no charge. (Note: Batteries and patch cords not covered.) "Original purchaser" means the customer for whom the product is originally installed.

Damage resulting from improper installation, interconnection of a unit or system of another manufacturer, accident or unreasonable use, neglect or any other cause not arising from defects in material and workmanship is not covered by this warranty. The warranty is valid only as to products purchased and installed in the United States.

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Peavey's liability to the original purchaser for damages for any cause whatsoever and regardless of the form of action, is limited to the actual damages up to the greater of Five Hundred Dollars (\$500) or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. For information on service under this warranty, call a Peavey customer service representative at (601) 483-5376.



Features and specifications subject to change without notice.

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