

SPECIFICATIONS



UMA™ 75T II Mixer Amplifier

SPECIFICATIONS

Output Power:

75 watts

Frequency Response:

Power Amplifier:

Direct: ± 0.5 dB, 20 Hz to 20 kHz
XFMR: ± 0.5 dB, 50 Hz to 20 kHz

Preamplifier:

± 1.5 dB, 50 Hz to 20 kHz

Distortion:

Power Amplifier:

0.02% (1 kHz)

Preamplifier:

< 0.1% with nominal gain settings

S/N Ratio:

Master Volume Min:

95 dB below rated power

Master Volume Max:

80 dB below rated power

Hi Z Inputs:

75 dB below rated power

Lo Z Inputs:

65 dB below rated power

Power Bandwidth:

Direct: 20 Hz to 20 kHz < 0.5% THD

XFMR: 50 Hz to 20 kHz < 0.5% THD

Output Regulation:

Direct: < 0.5 dB

XFMR: < 1.0 dB

Outputs:

Direct: 4 ohms

XFMR: 8 ohms, 600 ohms, 25 V, and
70 V (balanced—100 V 220/
240 Export)

Ch. 4 Output, Loop Out, AUX Out:
1 V @ 100 ohms

Inputs:

Channel 1: Lo Z 500 μ V @ 1.8 K ohms
(XLR or screw terminals)
Hi Z 50 mV @ 9.5 K ohms
(screw terminals)

Channel 2: Lo Z 500 μ V @ 1.8 K ohms
(XLR or screw terminals)
Hi Z 50 mV @ 9.5 K ohms
(screw terminals)

Channel 3: Lo Z 500 μ V @ 1.8 K ohms
(screw terminals)
Hi Z 50 mV @ 9.5 K ohms
(RCA or screw terminals)

Channel 4: Lo Z 500 μ V @ 1.8 K ohms
(screw terminals)
Hi Z 50 mV @ 9.5 K ohms
(RCA or screw terminals)

Page: 100 mV (600 ohm
transformer balanced
screw terminals)

Loop In: 1 volt @ 2.4 K ohms

Tone Controls:

Bass: ± 10 dB @ 100 Hz

Treble: ± 10 dB @ 10 kHz

Contour: +6 dB @ 100 Hz and 10 kHz

Controls:

Channel 1 Volume Control

Channel 2 Volume Control

Channel 3 Volume Control

Channel 4 Volume Control

Page 1 Volume Control (rear panel

screwdriver adjust)

Page Mute Threshold Control (rear
panel screwdriver adjust)

Channel 1 Mute Threshold Control
(rear panel screwdriver adjust)

Bass Control

Treble Control

Master Volume Control

Contour Switch

Link Switch

Power Switch

Indicators:

Power Indicator (Red LED)

Activity Indicator (Green LED)

SPS™ Active Indicator (Yellow LED)

Mute 1 and Mute 2 Indicators (Yellow
LED's)

Muting:

Mute 1: Page input overrides Chan-
nels 1 through 4 with adjust-
able threshold

Mute 2: Channel 1 overrides Channels
2 through 4 with adjustable
threshold

Power Requirements:

Domestic: 120 V AC, 60 Hz, 200 watts

Export: 220-230/240 V AC, 50/60 Hz,
200 watts

Other Features:

Remote Volume Control via screw
terminals

Mute 1 and Mute 2 switch closure via
screw terminals

24 V DC output

24 V DC phantom power on Lo Z inputs

PEAVEY
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FEATURES

- Four mic/line inputs with screw terminals on each; two with XLR and two with dual RCA phono jacks
- One dedicated 600 ohm transformer balanced paging input with screw terminals and rear panel screwdriver adjust level control
- Two mute lines, providing internal signal override or external switch closure, with adjustable thresholds and indicators
- Provisions for external master volume control
- 24 volt (DC) phantom power
- Bass, Treble, and Contour EQ controls
- Loop Out/Loop In patch point with RCA phono connectors and link switch
- Channel 4 output (RCA phono), which gives a non-mutable output of Channel 4
- AUX output for tape recorders, etc.
- Signal activity indicator
- Power indicator
- Low current 24 volt DC output
- SPS™ (Speaker Protection System) circuitry with indicator
- 4 ohm, 8 ohm, 25 V and 70 V transformer-isolated outputs (100 V Export)
- 600 ohm balanced line level output
- AC convenience outlet
- Powder coated steel chassis
- Optional rack-mounting kits available

DESCRIPTION

The UMA™ 75T^{II} is a versatile mixer/amplifier designed for numerous sound reinforcement applications. The flexible input configurations make it an excellent choice for paging and/or back/foreground music systems. The UMA™ Series mixer/amplifiers are ready for any job, utilizing an isolated transformer with multiple output configurations.

ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The mixer amplifier shall have four microphone/line inputs and one dedicated page input. Channels 1 and 2 shall have screw terminals and XLR connectors for the Lo Z inputs; screw terminals for the Hi Z inputs. Channels 3 and 4 shall have screw terminals for the Lo Z inputs; screw terminals and RCA phono connectors for the Hi Z inputs. Channels 1 through 4 shall have 24 volt phantom power for the Lo Z inputs. The page input shall be transformer balanced (600 ohms) and shall have screw terminals for the input connection.

The master section shall include one master volume level control, two EQ controls providing 10 dB boost or cut at 100 Hz and 10 kHz, and a "Contour" switch providing 6 dB of boost at 100 Hz and 10 kHz.

The unit shall have two levels of automatic muting. Mute 1 shall give precedence to the page input, and it shall override Channels 1 through 4, with a threshold control on the page input. Mute 2 shall give precedence to Channel 1, and it shall override Channels 2 through 4, with a threshold control on Channel 1. The two mute lines shall have screw terminals for external mute control.

The unit shall have a Channel 4 output that provides an RCA phono, non-mutable output of Channel 4. Provision for an external master volume control shall be made via screw terminals.

The unit shall be packaged in a rugged metal chassis 17" wide by 3-1/2" high by 15-5/8" deep. The unit shall operate from standard 120 volts AC, 60 Hz power. The internal power amplifier shall be capable of delivering 75 watts into 4 ohms and 8 ohms, as well as providing 25 volt and 70 volt balanced line outputs. The unit shall be capable of delivering rated power from 20 Hz to 20 kHz ± 1.5 dB into 4 ohms at its direct output at 0.5% or less distortion with hum and noise at least 80 dB below rated output from line level inputs. The unit shall be called the Peavey Architectural Acoustics Division model UMA™ 75T^{II}.

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 and Canada.

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U.S. Patent No. 5,509,080 for Bass Clipping Circuit



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