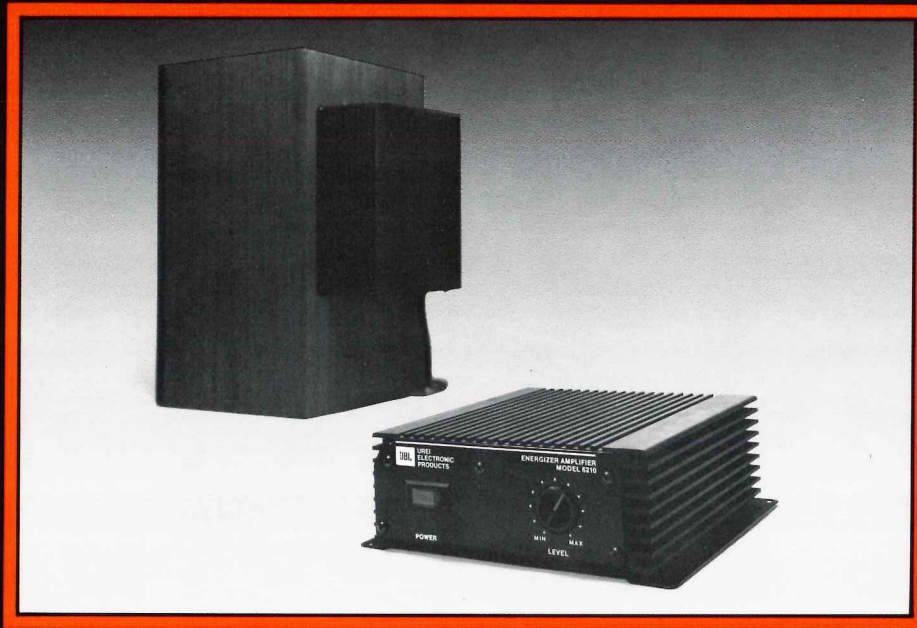


# 6210/6211 ENERGIZER AMPLIFIERS



## FEATURES:

Converts JBL 4400 Series or other small 8 ohm monitors to self-contained powered operation

40 Watts Output Power into 8 ohms

Fully complementary output

Low negative feedback—Low T.I.M. distortion

Active balanced inputs

Rugged construction

Dual input connectors allowing for linking of amplifiers together

Additional Features on the 6211:

Built-in microphone preamplifier to allow for use as a self-contained portable P.A. system

Mic/Line selector switch

Low-cut filter switch

The JBL/Urei Model 6210 and 6211 Energizer Amplifiers represent a new approach to powering loudspeakers. Designed to be mounted on the rear of any 8 ohm loudspeaker system, including the JBL 4400 Series Studio Monitors, these two new amplifiers are ideal for mobile mixing situations, broadcast studio monitoring, moderate level stage monitoring and P.A. applications.

The Model 6210 Energizer Amplifier has an active balanced input and will accept balanced or unbalanced line level sources. For flexibility, it has both three pin XLR and 6.3 mm (1/4 in) phone jack input connectors, wired in parallel.

The Model 6211 Amplifier features, in addition, a switch activated preamplifier for low impedance

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microphone inputs. It also includes a user selectable high pass filter for reducing microphone proximity effects and wind pops. Male and female XLR input connectors, wired in parallel, allow for linking several amplifiers together when fed from a common source.

Both Energizer Amplifiers feature 40 watts output into 8 ohms and come in a rugged aluminum and steel case only 75 mm (3 in) deep. Both amplifiers have complementary output stages with minimum negative feedback for low TIM (transient intermodulation distortion).

Installation is simple, using the template and hardware provided, and output connections are made directly to the speaker terminals with color-coded wiring already attached and strain relieved. Additional features common to both models include an illuminated AC power switch, level control, and a ground lift switch.

An optional 19 inch rack mounting kit, Model MR6202, is available to mount two Energizer Amplifiers side-by-side. Additionally, the Model SC6201 security cover option prevents inadvertent gain changes.

## ARCHITECTS AND ENGINEERS SPECIFICATIONS:

The energizer amplifier shall provide 40 watts output into 8 ohms at 0.1% or less THD. The amplifier shall have an active balanced line (or microphone) level input (with a preamp in-out switch), an illuminated AC power switch, level control, (high pass filter and switch,) and a ground lift switch.

The two input connectors, wired in parallel, shall be a three pin female XLR type and (a 6.3 mm  $\phi$  in) phone jack, 6210 only) (male XLR type). The output shall be through an attached color-coded cable with tinned ends.

The unit shall be packaged in a finned extruded aluminum heatsink with steel cover, panels and mounting feet, with four mounting holes in a 190 mm  $\phi$  in) square pattern. Four 8-32 machine screws shall be provided for mounting. The amplifier shall be designed to be attached to a loudspeaker enclosure and shall be 203 mm x 216 mm x 70 mm deep (8 in x  $8\frac{1}{2}$  in x  $2\frac{1}{2}$  in deep) in size and weigh 3.0 kg (6.5 lbs).

The amplifier shall be the IBL/UREI Model 6210 (62111 Energizer Amplifier).

## SPECIFICATIONS:

Midband Power Output:	40 watts into 8 ohm load
Frequency Response:	+ 0 - 1dB, 20 Hz to 20 kHz, at any level up to rated output
Input:	Balanced bridging differential amplifier
Input Impedance:	6210: 40k ohms used as balanced input; 20k ohms used as unbalanced (single-ended) input 6211: LINE: 40k ohms used as balanced input; 20k ohms used as unbalanced (single-ended) input MIC: 7.8k ohms used as balanced input; 3.9k ohms used as unbalanced (single-ended) input
Filter:	6211: Switchable low cut (high pass) filter - 3 dB @ 200 Hz, 6 dB/octave
Connectors:	6210: Inputs: 3 conductor XLR female and 6.3 mm ( $\phi$ in) phone jack wired in parallel 6211: Inputs: Male and female 3 conductor XLR wired in parallel to allow linking of multiple inputs Output: Color coded tinned wire leads Power: 1.5 m (5 ft) 3 conductor captive AC cord
Controls:	6210: Power switch (illuminated), level control and recessed ground lift switch 6211: Power switch (illuminated), level control recessed MIC/LINE push-button switch, recessed filter switch and recessed ground lift switch
AC Power:	120 VAC 60 Hz, 80 W typ at rated power. Other voltages available on special order
Dimensions:	203 x 216 mm x 70 mm deep 8 in x $8\frac{1}{2}$ in x $2\frac{1}{2}$ in deep
Mounting Means:	19 mm ( $7/8$ in) square symmetrical hole mounting pattern in base
Net Weight:	3 kg (6.5 lbs)
Shipping Weight:	3.6 kg (8 lbs)
Materials:	Heatsink is heavy-duty extruded aluminum, black anodized; cover is 18 Ga steel painted black
Accessories:	Model MR6202 Rack Mount Kit Mounts 2 amplifiers side by side, requiring 305 mm (12 in) of rack space (including connector clearance). Made of 14 Ca steel. Model 6201SC Security Cover

6211 Energizer Amplifier mounted on JBL Model 4406

IBL/UREI continually engages in research related to product improvement. New materials, production methods, and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL/UREI product may differ in some respect from its published description but will always equal or exceed the original design specifications unless otherwise stated.

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