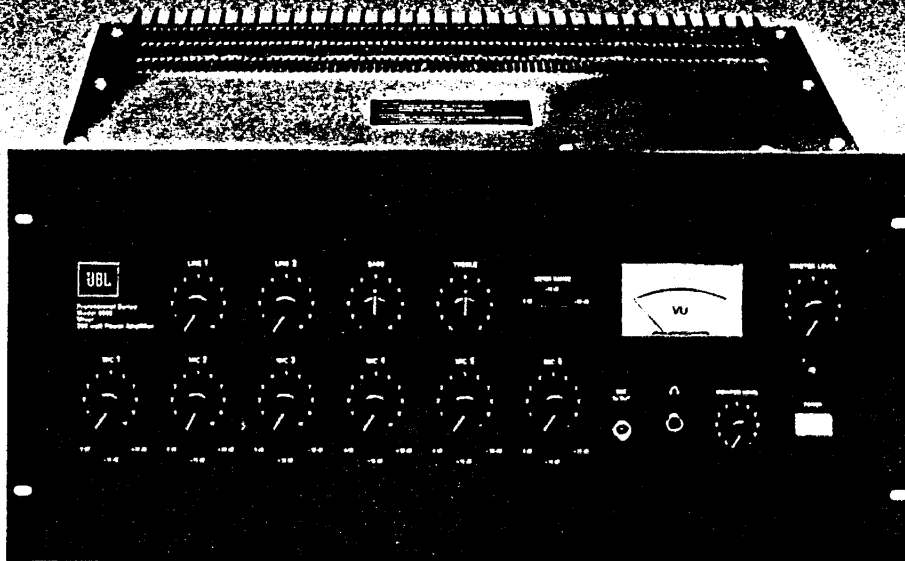


Professional Series

Model 6502

Mixer/Amplifier

200 Watts (100 W per channel)
8 Inputs (6 Microphone, 2 Line Level)
Stereo RCA Inputs
Stereo RCA Outputs
Headphone Output



The JBL 6502 combines an eight-input (six microphone and two line level) mixer with a high power, single-channel amplifier. Simpler to install than a rack-assembled system, the JBL 6502 is ideal for sound systems for auditoriums, gymnasiums, churches, and meeting halls.

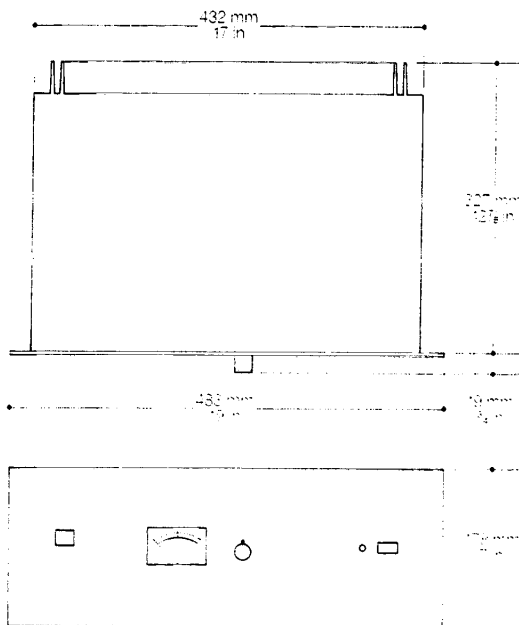
Each of the six microphone inputs accepts an unbalanced, high-impedance signal. An optional, plug-in transformer will convert an input to balanced low impedance. The line inputs are unbalanced, high impedance, and may be converted to balanced low impedance with accessory plug-in transformers. One of the microphone inputs may be internally switched to RIAA phono characteristics, and a pair of RCA-type jacks on the rear panel permits a stereo source to be fed to this input.

Each input has its own level control, and the 6502 also has a master level control and a separate level control for the headphone monitor output. Bass and treble tone controls allow equalization of the program source, and a mixer output ahead of the power amplifier permits connection of an accessory equalizer if desired. The 6502 also has a cue switch that disconnects the mixer output from the amplifier. A meter with switchable range allows visual monitoring.

The power amplifier produces 200 W from 20 Hz to 20 kHz with less than 0.2% THD. An accessory output transformer allows full-power operation into 8 or 16 Ω loads, or into a 70.7 V line.

Consumer Warranty

JBL offers a limited warranty to retail purchasers. The warranty statement is packed with the product.



Specifications

Power Output, Continuous Sine Wave	
Direct output, 4-Ω load	200 W
Transformer output (6021 only)	200 W
Power Bandwidth	
Direct output	
200 W	20 Hz - 20 kHz, less than 0.2% total harmonic distortion
150 W	10 Hz - 40 kHz, less than 0.5% total harmonic distortion
Transformer output, 200 W (6021 only)	35 Hz - 15 kHz, less than 0.2% total harmonic distortion
Total Harmonic Distortion, 200 W	
Direct output	Less than 0.2%, 20 Hz - 20 kHz
Transformer output (6021 only)	Less than 0.2%, 35 Hz - 15 kHz
Intermodulation Distortion	
SMPTE Standard	
200 W	Less than 0.2%
10 W	Less than 0.1%
0.15 W	Less than 0.1%
Frequency Response, 1 W	
Load Impedance	
Direct output	4 Ω
Transformer output (6021 only)	8, 16, or 25 Ω
Load Voltage, 200 W	
Direct output	28.3 V
Transformer output (6021 only)	
8-Ω tap	40.4 V
16-Ω tap	56.6 V
70.7-V tap	70.7 V
Output Regulation	Better than 15%
Power Gain	72 dB
Maximum Input Sensitivity	
Unbalanced high impedance (33 kΩ)	0.78 V
Balanced 15-kΩ, with 5195 transformer	0.38 V
Balanced 600-Ω matching, with 5195 transformer	0.38 V
Balanced 600-Ω matching, with 5195 transformer, 14-dB step-up configuration*	0.08 V
Signal-to-Noise Ratio	Better than 100 dB, full power
Low Cut Filter	6 dB/octave below 250 Hz, switchable
Front Panel Controls	Power switch Level control
Indicators	Pilot lamp Level meter, dB
Power Requirement	120/240 V AC, 50/60 Hz
Power Consumption	
Load on direct output	
Quiescent	40 W
1/3 power	250 W
Full power	400 W
Load on transformer output (6021 only)	
Quiescent	40 W
1/3 power	275 W
Full power	440 W
Fuse	5-A 3AG
Maximum Ambient Operating Temperature	60°C 140°F
Front Panel Finish	Semi-gloss baked enamel, dark gray
Mounting	4 EIA standard rack spaces
Dimensions	
Front panel	483 x 178 mm 19 x 7 in
Depth of controls	19 mm 3/4 in
Depth behind panel	327 mm 12 7/8 in
Net Weight	
6021	21 kg 47 lb
6022	16 kg 35 lb
Shipping Weight	
6021	24 kg 52 lb
6022	18 kg 39 lb
Accessory	JBL Model 5195 Matching/Bridging Transformer

JBL Professional Products are not intended for household use.

*Requires internal modification