

# VT-40

Amplifier



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## VT-40 Amplifier Specifications



### Power Output:

60 watts RMS minimum continuous at less than 5% total harmonic distortion (T.H.D.) into a 2, 4, or 8 ohm load over the 20 to 20,000 Hertz bandwidth

### Front Panel:

Two inputs  
Two volume controls  
Bass, midrange and treble controls  
Two-position ultra-hi switch  
Reverb and distortion controls operated by footswitch supplied with unit  
Power switch  
Standby switch  
Red pilot light  
Amber standby light

### Rear Panel:

Impedance selector switch (2, 4, 8 ohms)  
Two speaker jacks  
Patching jacks (in and out)  
Accessory outlet (500 watt)  
Patented reverb lock  
Hum balance control  
15-foot three-wire line cord (4.6 m.)  
Two cord winders

### Tone Control Range:

Treble  $\pm 12$  dB @ 4,000 Hertz  
Bass  $\pm 12$  dB @ 40 Hertz  
Midrange  $\pm 20$  dB @ 300, 800 or 3,000 Hertz  
Ultra-Hi + 12 dB @ 8,000 Hertz (dependent on volume control position)

### Signal to Noise Ratio (S/N):

-80 dB below full power

### Frequency Response (1 watt):

$\pm 1$  dB 20 to 20,000 Hertz

### Sensitivity:

Channel 1 distortion circuit threshold is 800 microvolts for 10% T.H.D.

Channel 1 and 2 input impedance is 5.6 megohms, and input sensitivity is .011 volts for full power.

### Patching Facilities:

Preamplifier output jack is 10K ohms.

Power amplifier input jack is high impedance (.25 volts for 100 watts).

### Special Circuit Features:

Smooth overload characteristics provided by tube-type preamplifier distortion circuit, frequency response extremity tailoring, and advanced power amp design.

Special input filters reject nearby radio frequency (RF) interference.

### Tube Complement:

Two 7027A/Three 12DW7/One 12AX7A/One 6CG7/One 6AN8A

### Power Supply Requirements:

(Standard) 100-130 volts 50-60 Hz.  
2 Amps

(Export) 200-260 volts 50-60 Hz.  
1 Amp

Power consumption 170 watts at rated output.

### Safety Approvals:

Underwriters' Laboratories (UL)  
Canadian Standards (CSA)

### Chassis Construction:

Shock mounted,  $\frac{1}{16}$ " steel reinforced chassis, enclosed for RF rejection  
Baked enamel finish  
Patented aluminum extrusion front panel  
Decorative overlay  
Two output tube retainers  
Three service access covers



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**Cabinet Construction:**

3/4" solid jointed core 7-ply plywood  
Dovetail corner construction  
Eight chrome corners  
Heavy duty vinyl covering  
Ventilating rear cover and front baffle  
Removable grille frame  
Flush mounted strap handle

**Speaker Complement:**

Four 10" special design speakers  
with 3/4" aluminum voice coils and  
10 oz. magnets

**Enclosure Design:**

Four front mounted 10" speakers  
in open back cabinet

**Weight:**

70 pounds (38 Kg.)

**Dimensions:**

23.6" W x 26.7" H x 11.1" D  
60.0 cm. x 67.9 cm. x 28.3 cm.

**Recommended Extension Speaker Enclosures:**

One V-4 enclosure  
One VT-22 enclosure  
One B-40 enclosure  
One B-15S enclosure

**Recommended Usage:**

Guitar, Keyboard Instruments, Bass

**Optional Equipment:**

Vinyl cover

Performance kit consisting of two  
6550 output tubes and tube retainers  
which yield 80 watts at 5% T.H.D.  
(installation available from authorized  
Ampeg Service Center).

Dolly





**ampeg**

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