

# Technical Specifications

## V-6120 Six Channel Amplifier

- Six independent channels of amplification
- Four 10-watt outputs
- Two 40-watt outputs
- Quick release screw terminals
- Activity LED indicators
- High pass horn filter on 40-watt outputs
- Independent volume controls for each channel
- Power indicator
- Transformer coupled inputs



6 channel  
120-Watt

### Description:

The V-6120, 6 Channel Amplifier is designed as a replacement amplifier for 25-volt speaker lines and satisfies audio applications without compromising performance. The V-6120 is ideal for any multi-channel 25-volt application such as schools, hospitals and general paging systems.

## SPECIFICATIONS

### INPUT

Line level (-10dBm) on each input

### OUTPUT

Output impedance 8 Ohms

Output voltage: 25 Vdc

### FREQUENCY RESPONSE

@ 10 Watts 20 Hz to 15 kHz

THD: < .25% @ 1 kHz rated power

S/N: -70 dB

@ 40 watts 60 Hz to 15 kHz.

THD: < .25% @ 1 kHz rated power

S/N: -70 dB.

### CONTROLS

Independent volume controls for each channel

### CAPACITY

10 Watts on 4 channels

40 Watts on 2 channels

### POWER REQUIREMENTS

165 Watts 1.7 amps 110vac

### MOUNTING

2u 19in rack mounting

### HOUSING AND FINISH

Charcoal black with white graphics

### DIMENSIONS AND WEIGHT

3.50in H x 17.00in W x 15.00in D

(8.89cm x 43.18cm x 38.10cm)

Weight: 21.00lbs (9.53kg)

Shipping Weight: 25.00lbs (11.25kg)

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## ARCHITECTS AND ENGINEERS

The Six Channel Amplifier, model V-6120, shall have four 10-Watt outputs and two 40-Watt outputs to connect up to six independent one-way zones of speakers to be used for paging, emergency paging, all call, group calls, class change tones, and emergency tones.

The V-6120 Six Channel Amplifier 10-Watt outputs shall service up to a total of 10-Watts of 25 Volt taps. The 40-Watt outputs shall service up to a total of 40-Watts of 25 Volt taps. The six channels may be used as individual independent power amplifiers with more than enough power for nominal audio applications. Each input shall be line level and the V-6120 has been designed to drive as many as six independent 25 Volt outputs without the need of external transformers.

The V-6120 Six Channel Amplifier satisfies many audio applications without compromising performance, all in a 19in rack mounted, 2U package.

The V-6120 Six Channel Amplifier shall also include a high pass horn filter on each of the 40-Watt outputs, output level volume controls, activity indicators for each of the 6 outputs, power indicator, and quick release screw terminal connections for line level inputs and amplifier outputs.

The V-6120 Six Channel Amplifier shall be constructed of steel with a charcoal black finish and white graphics. The V-6120 shall be suitable for indoor applications.

The maximum dimensions shall be: 3.50in H x 17.00in W x 15.00in D (8.89cm x 43.18cm x 38.10cm). Weight shall be approximately: 21.00lbs (9.53kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).