

Technical Specifications

SM120 120-Watt Mixer Amplifier

- Active mix or Priority override on inputs (override is voice operated)
- Rack or shelf mount
- Mic 1/Tel on Input 1, plus 3 standard MIC/AUX inputs
- Volume control for each input
- Master volume, bass and treble Controls
- Overload limiting circuit protection
- Screw terminals for all connections
- Power "ON" indicator
- Clipping and Fault indicators
- 8 Ohm, 25 and 70 Volt selectable output
- Tone generator (warble and single tone)
- Optional external volume control



120-Watt
8 Ohm, 25 and 70 volt output

Description:

The SM120 Amplifier provides up to 120-Watts of audio power for voice paging or background music systems.

SPECIFICATIONS

NOMINAL SPECIFICATIONS

Wattage Output: 120 Watts Peak
Type of Outputs: 4 - 8 Ohm, 25 V, 70 V
Frequency Response: 20 to 20kHz +/- 2dB
Distortion: <2% @ 1kHz rated output
Number of Inputs: 4 (1 Mic/Tel Line 3 Mic/Aux)
Voice Switch Sensitivity: -31 dBm
Mic Input Impedance: 600 Ohm balanced
Sensitivity of Mic Input: 1.0 mVrms
Tel Line Input Impedance: 600 Ohm
Tel Line Input Sensitivity: 70 mVrms
Aux Input Impedance: 10k Ohm
Aux Input Sensitivity: 200 mVrms
Line Out Impedance: 10K Ohm
Line Out Level: 1 Vrms

NOMINAL POWER REQUIREMENTS

Input Voltage: 85-265 Vac
Current @ 120 Vac: 0.28A Typical

ENVIRONMENT

Temperature: 32 to 104 °F (0 to 40 °C)
Humidity: 0 to 85% non-precipitating

HOUSING AND FINISH

Steel and finished in black

DIMENSIONS AND WEIGHT

17.00in W x 12.00in D x 1.75in H
(43.18cm x 30.48cm x 4.45cm)
Weight: 5.10lbs (2.31kg)
Shipping Weight: 9.70lbs (4.40kg)

MOUNTING

Rack or shelf mount

ACCESSORIES

SM-VC Remote Volume Control

2022 Rev. 1.130

Clarity
by Valcom

SALES@VALCOM.COM | 1.540.563.2000 | CLARITY-COM.COM

Technical Specifications

ARCHITECTS AND ENGINEERS

The 120-Watt Mixer Amplifier, model SM120, shall provide up to 120-Watts of audio power for voice paging or background music systems.

The SM120 120-Watt Mixer Amplifier shall be used to operate 8 Ohm, 25 Volt or 70 Volt speakers and horns. The SM120 shall actively mix all inputs or shall provide cascading priority inputs (programmable). The SM120 120-Watt Mixer Amplifier shall have a master volume control plus a separate volume control for each input. Bass and treble controls shall also be provided. The SM120 shall contain a limiting circuit for protection against short circuits or impedance mismatches.

The SM120 120-Watt Mixer Amplifier shall have 4 channels of inputs. Input 1 shall be used to connect to a low impedance microphone or a Tel line input such as a telephone system page port. Inputs 2 through 4 shall be used to connect to low impedance microphones or high impedance auxiliary devices such as a tuner, tone generator or other

line level audio source.

The SM120 shall have a built-in tone generator that shall create both a warble tone and a single tone activated by separate contact closure inputs. The volume of the generated tones shall be adjusted using the small knob labeled "Volume" on the rear panel.

The SM120 120-Watt Mixer Amplifier shall be constructed of steel and be rack or shelf mountable.

Maximum dimensions shall be: 17.00in W x 12.00in D x 1.75in H (43.18cm x 30.48cm x 4.45cm). Weight shall be approximately: 5.10lbs (2.31kg).

Warranty information may be found on our website at www.valcom.com/warranty.