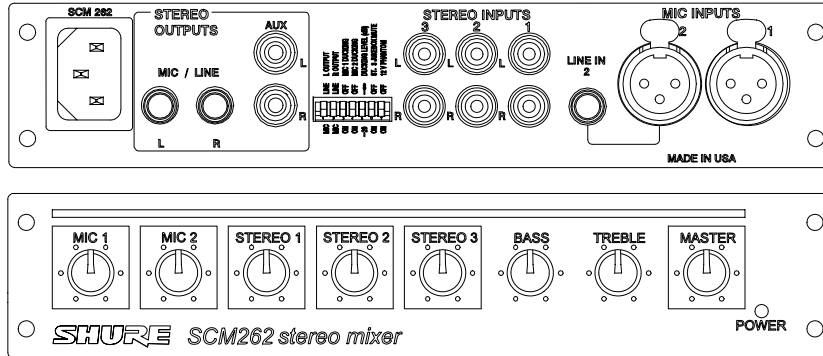


SCM262 STEREO MIXER

The Shure Model SCM262 is a stereo mixer intended for sound reinforcement applications that integrate microphones with consumer stereo products. It incorporates two

active-balanced microphone inputs with three unbalanced stereo aux level inputs.



SYSTEM FEATURES

The SCM262 Stereo Mixer is designed for restaurants, classrooms, corporate training, aerobics classes, and other situations where a paging/public announcement system is combined with background music or other program material.

- Designed to combine paging with background music.
- One active-balanced, XLR microphone input channel.
- One active-balanced XLR microphone and 1/4-in. TRS line input channel.
- Three STEREO INPUT channels

- Stereo AUX level OUTPUTs
- Stereo MIC/LINE OUTPUTs
- BASS and TREBLE tone controls on the master output.
- 1/2-rack chassis.
- 12 V phantom power for condenser microphones.
- Internal power supply.
- Removable power cable.
- Ducking function (defeatable).
- Jukebox mute function (defeatable).

SPECIFICATIONS

Measurement Conditions (unless otherwise specified): Tone controls centered; Line voltage 120 Vac, 60 Hz (SCM262) or 230 Vac, 50 Hz (SCM262E); full gain; 1 kHz, one channel activated; source impedances: Mic 150 Ω; Line/Aux 40 Ω, terminations: Line/Mic/Aux 20 kΩ.

Frequency Response (Ref 1 kHz, channel and master controls centered)

MIC/LINE Inputs: 150 Hz to 20 kHz ±2 dB
AUX Inputs: 20 Hz to 20 kHz ±2 dB

Low-Cut Filter (microphone inputs only)
3dB down at 80 Hz, 6 dB/octave

Voltage Gain (typical, controls full clockwise)

Input	Output		
	Mic	Line	Aux
Low-impedance mic (150 Ω)	32 dB	72 dB	60 dB
Line	-9 dB	31 dB	19 dB
Stereo	-5 dB	35 dB	23 dB

Inputs

Input	Impedance		Input Clipping Level
	Designed for use with	Actual (typical)	
Mic (XLR)	<600 Ω	1.4 kΩ	-16 dBV

Line	<10 kΩ	155 kΩ	+24 dBV
Stereo	<2 kΩ	21 kΩ	>28 dBV

Outputs

Output	Impedance		Output Clipping Level
	Designed for use with	Actual (typical)	
Mic	> 600 Ω	3 Ω	-22 dBV
Line	>5k Ω	300 Ω	+18 dBV
Aux	≥10 kΩ	1.5k Ω	+5 dBV

Total Harmonic Distortion

<0.25% at +4 dBu output level, (through 22 Hz-22 kHz filter; MIC Input 1 and Master at center, all other controls full counterclockwise)

Hum and Noise

Equivalent Input Hum and Noise -125 dBV
..... (150 Ω source; 22 Hz - 22 kHz)

Output Hum and Noise

(22 Hz to 22 kHz; channel controls full counterclockwise)
... Master full counterclockwise -85 dBV
... Master full clockwise -60 dBV

Common Mode Rejection

>70 dB at 1 kHz

Polarity

All inputs to all outputs are non-inverting.

Overload and Shorting Protection

Shorting outputs, even for prolonged periods, causes no damage. Microphone inputs are not damaged by signals up to +10 dBV; Line and Aux inputs by signals up to +28 dBV

Equalization

Bass (Low-frequency shelving) ±6 dB
 (corner frequency at 250 Hz)
 Treble (High-frequency shelving) ±6 dB
 (corner frequency at 4 kHz)

Ducking

Mic channels 1 and 2
 Levels -20 dB or -∞ dB
 Activation time 10 ms (typical)
 Mic Deactivation time 2 s (typical)
 Jukebox Mute Deactivation Time 30 s (typical)

Phantom Power

12 Vdc open-circuit through 680 Ω resistors

Operating Voltage

SCM262: 100–120 Vac, 50/60 Hz, 60 mA
 SCM262E: 220–240 Vac, 50/60 Hz, 30 mA

Temperature Range

Operating -7° to 49° C (20° to 120° F)
 Storage -29° to 74° C (-20° to 165° F)

Overall Dimensions

43 x 218 x 162 mm (1.72 x 8.60 x 6.37 in.)

Net Weight:

1.1 kg (2 lbs, 5 oz)

Certifications

SCM262: UL, cUL listed by Underwriters Laboratories.
 SCM262E: Conforms to European Union directives, eligible to bear CE marking; VDE GS-Certified to EN 60 065; meets European Union EMC Immunity Requirements (EN 50082–1: 1992, EN 50082–2: 1992)

REPLACEMENT PARTS

Knob, Master (blue)	95B8752
Knob, Channel Gain (white)	95A8752
Line (Power) Cords: SCM262: 100–120 Vac (US/Canada)	95A8762
SCM262E: 220–240 Vac (EU)	95A8778
Fuse, SCM262 (5x20 mm, 250V, 100mA, time delay)	80B730
Fuse, SCM262E (5x20 mm, 250V, 40mA, time delay)	80J258
Hardware Kit	90AA8100

Link Bars (Bracket)	53A8443
Single Mount Kit	53A8484
Dual Mount Kit	53B8484

Optional Accessories

Line (Power) Cord, 230–240 Vac (UK)	95A8713
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Service Statement

For additional service or parts information, please contact Shure's Service department at 1-800-516-2525. Outside the United States, please contact your authorized Shure Service Center.