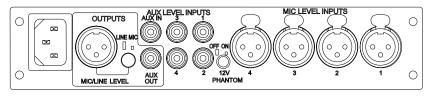


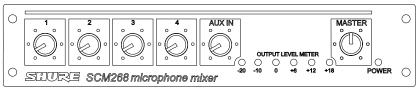
SCM268 TRANSFORMER BALANCED MICROPHONE MIXER

The Shure Model SCM268 is a transformer-balanced, four-channel microphone mixer. Its simple, compact design delivers superior performance and exceptional sound quality with low noise and a flat frequency response.

Versatile in all types of applications, the SCM268 integrates transformer-balanced XLR inputs, a switchable microphone/line level transformer-balanced XLR output, phono jack inputs and output, phantom power, and an auxiliary input channel. It can function as a primary or add-on mixer for sound reinforcement, recording, broadcast, or audio-visual presentation systems.

With the supplied hardware, the mixer's half-rack chassis mounts securely in single or dual rackmount installations. For fixed installations, the SCM268 can be fastened on or below a shelf, counter, or tabletop.





SYSTEM FEATURES

- · Four transformer-balanced microphone inputs
- · Transformer-balanced output-switchable mic/line level
- Five -10 dB line-level inputs
- · Six-segment LED output level meter

- · Built-in 12-volt phantom power
- · Internal power transformer
- Built-in low-cut filter on microphone inputs (below 80 Hz)

SPECIFICATIONS

Measurement Conditions (unless otherwise specified): Line voltage 120 Vac, 60 Hz (SCM268) or 230 Vac, 50 Hz (SCM268E); full gain; 1 kHz, one channel activated; source impedances: Mic 150 Ω , Aux Level 150 Ω ; terminations: Line 600 Ω , Mic 600 Ω , Aux Out 10 k Ω . 12 V phantom power off.

Frequency Response (Ref 1 kHz, controls centered)

Microphone Inputs: 150 Hz to 20 Khz + 2 dB (built-in 80 Hz low-cut) Auxiliary Inputs: 20 Hz to 20 kHz + 2 dB

Low-Cut Filter (Microphone inputs only)

3dB down at 80 Hz, 6 dB/octave

Gain (typical, controls full clockwise)

Input	Output			
	Mic	Line	Aux Out	
Low-impedance mic (150 Ω)	38 dB	76 dB	65 dB	
Aux Level	3 dB	40 dB	29 dB	

Inputs

Input	Impedance		
	Designed for use with	Actual (typical)	Input Clipping Level
Mic	19-600 Ω	1.2 kΩ	−5 dBV
Aux Level	32 kΩ	21 kΩ	>28 dBV

Outputs

Output	Impedance		
	Designed for use with	Actual (typical)	Output Clipping Level
Mic	low-Z inputs	0.2 Ω	-21 dBV
Line	>600 Ω	72 Ω	+18 dBV
Aux Out	>2 kΩ	870 Ω	+7 dBV

Total Harmonic Distortion

<0.25% at +4 dBu output level (through 22 Hz–22 kHz filter; Input 1 and Master centered, all other controls full counter clockwise)

Hum and Noise (150 Ω source; through 22 Hz–22 kHz filter) Equivalent Input Hum and Noise: –124 dBV

Output Hum and Noise (through 22 Hz–22 kHz filter; channel controls full counterclockwise)

Master full counterclockwise: –92 dBV Master full clockwise: –70 dBV

Common Mode Rejection

>80 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; Auxiliary inputs by signals up to +36 dBV

SCM268 MICROPHONE MIXER SPECIFICATION SHEET

Phantom Power

12 Vdc open-circuit through 340Ω series resistance

Operating Voltage

SCM268: 100-120 Vac rated nominal, 50/60 Hz, 60 mA SCM268E: 220-240 Vac rated nominal, 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

44 mm H x 218 mm W x 162 mm D (1.72 x 8.60 x 6.37 inches)

Net Weight

1.20 Kg (2 lbs, 10 oz)

Certifications

SCM268: UL & cUL Listed by Underwriters Laboratories, Inc. SCM268E: Eligible to bear CE Marking. Conforms to European EMC Directive 89/336/EEC. Meets applicable tests and performance criteria in European Standard EN55103 (1996) parts 1 and 2, for residential (E1) and light industrial (E2) environments.

REPLACEMENT PARTS

Knob, Master (blue)95B	8752
Knob, Channel Gain (white)95A	8752
Line (Power) Cords:	
SCM268: 100-120 Vac (US/Canada)95A	8762
SCM268E: 220-240 Vac (EU)95A	8778
Fuse, SCM268 (5x20 mm, 250V, 80mA, slow-blow)80/	A730
Fuse, SCM268E (5x20 mm, 250V, 40mA, slow-blow) 80	J258
Hardware Kit90AA	8100
Link Bars (Bracket)53A	8443
Single Mount Kit53A	8484
Dual Mount Kit53B	8484
Optional Accessories Line (Power) Cord,	
230-240 Vac (UK)95A	8713
Line (Power) Cord, 230-240 Vac (UK)95A	8713



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