

A-2240 Mixer Power Amplifier

- Engineered for high performance with wide frequency response, low noise and distortion, and excellent output regulation
- Suitable for commercial audio systems in schools, offices, restaurants, shops, factories, houses of worship, and large meeting rooms
- Equipped with 2 balanced microphone inputs
- Phantom power on MIC 1 input
- Auto-mute for aux inputs triggered by voice activated paging by Microphone and Telephone inputs
- Scratch- and fingerprint-resistant front panel
- UL/cUL Listed

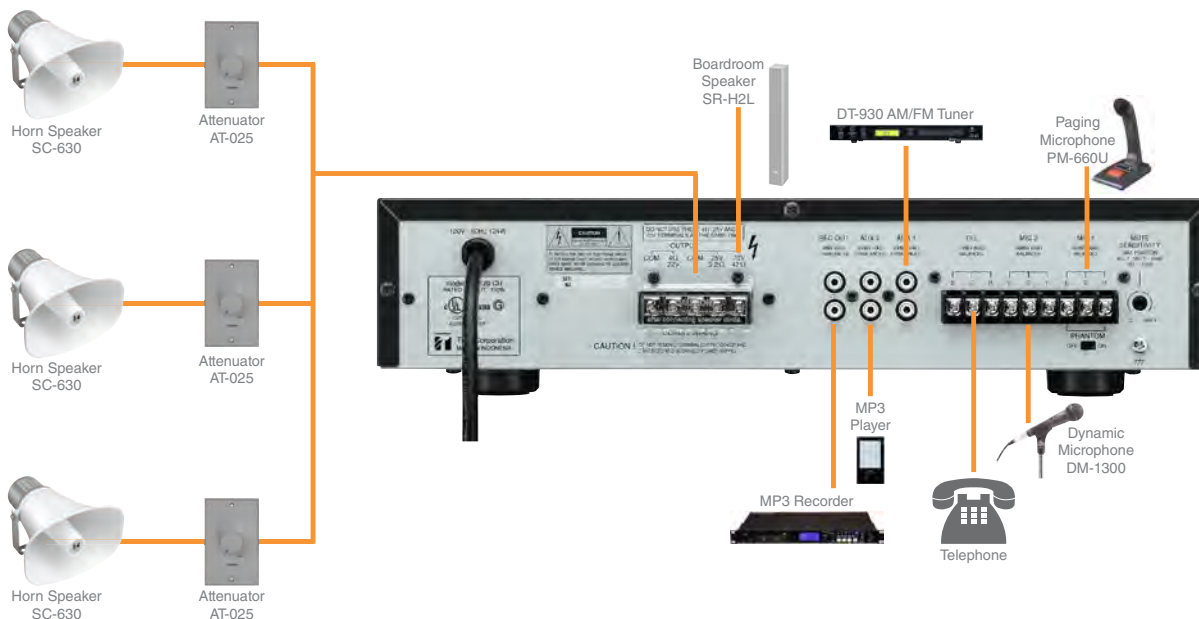


*0dB = 1V

Specifications

	A-2240
Power Source	120V AC, 50Hz
Rated Output	240W
Power Consumption	238W (EN60065), 520W (AC operation at rated output)
Frequency Response	50 – 20,000Hz (±3dB)
Distortion	Under 1% at 1kHz, 1/3 rated power
Input	MIC 1, 2: -60dB* (10mV), 600Ω, electronically balanced, screw terminal TEL: -10dB* (300mV), 10kΩ, transformer isolated balanced, screw terminal AUX 1, 2: -20dB* (100mV), 10kΩ, unbalanced, RCA pin jack
Output	Speaker out: Balanced (floating) High impedance: 21Ω (70V), 2.6Ω (25V) Low impedance: 4Ω (31V) Rec. out: 0dB* (1.0V), 600Ω, unbalanced, RCA pin jack
Phantom Power	+21V (MIC1, with ON/OFF switch)
S/N Ratio	Over 60dB
Tone Control	Bass: ±10dB at 100Hz Treble: ±10dB at 10kHz
Muting	MIC 1, MIC 2 and TEL overrides other input signals with -30dB attenuation. Sensitivity input level adjustable for MIC 1, MIC 2: 0 to -64dB, TEL: 0 to -23dB (MIC 1, MIC 2, TEL, same priority level)
Ventilation	Fan cooling
Indicators	Power, signal, peak
Finish	Panel: ABS resin, black Case: Steel plate, black
Dimensions	16.5" × 4.0" × 14.2" / 420 (W) × 100.9 (H) × 360.3 (D)mm
Weight	13.2kg / 29.10 lb

A-2240 Mixer Power Amplifier Connection Diagram



70 Volt Stepped Wall Attenuators

AT-025

AT-100

AT-100EMG

AT-10K



- Flush-mounted wall attenuators
- Volume can be adjusted in thirteen steps (AT-10K continuous)
- Push-in terminals
- Accepts two conductors for easy bridging
- 2 wire connection for normal speaker line attenuation
- 3 wire connection for emergency paging attenuator override (AT-100EMG)

Specifications

	AT-025	AT-100	AT-100EMG	AT-10K
Power Rating	25W		100W	1/2W
Resistance			-	10k ohm
Attenuation		3dB per step (33dB total)		Continuous (stops at 0/max.)
Use With		25/70/100V speaker line		VCA control or audio circuit
Activation		Rotary dial		Rotary knob
Volume Positions		0-10		-
Termination			Phoenix-style	
Wire Capacity			14-gauge	
Wall Plate			1-gang decorator style	
Finish			White	
Priority Relay		-	24VDC@15mA relay for emergency signal bypass	-
		-		Incremental detents for precision feel
			Fits standard E.O. box (2.125 in. min. depth)	

Impedance Meter

❖ Impedance Meter

ZM-104A

- Measures impedance of speaker lines up to 100k ohms
- Batteries: 4 (AA) (not included)
- Zero adjustment for accuracy on all ranges
- Easy to read meter calibrates directly in ohms
- Includes carrying case, test leads and impedance to power reference chart



Specifications

	ZM-104A
Power Source	R6 X 4 (1.5 V DC X 4)
Current Consumption	39 mA
Reading	Direct reading meter, unit: Ω
Measurement Range	x 1 range: 5 Ω - 1 kΩ x 10 range: 50 Ω - 10 kΩ x 100 range: 500 Ω - 100 kΩ
Accuracy	±10 %
Oscillation Frequency	1 kHz, ±10 %
Battery Life When Continuously Used	x 1 range: 30 h x 10 range and x 100 range: 60 h
Operating Temperature	-5 °C to +40 °C (23 °F to 104 °F)
Dimensions	120 (W) x 220 (H) x 63 (D) mm / 4.72" x 8.66" x 2.48" (carrying case) 110 (W) x 180 (H) x 58 (D) mm / 4.33" x 7.09" x 2.28" (unit only)
Finish	ABS resin, black
Weight	700 g / 1.54 lb (including carrying case, without batteries)
Accessory	Test leads ... 1 set
Measurement Category	CAT I

Note: Batteries are optional.