



HA6S

6-Channel Headphone Mixer

The RANE HA6S is a universal, multi-purpose mixer and headphone amplifier for rehearsal, studio or stage usage scenarios. Perfect for headphones, in-ear monitors or personal monitor mixing, HA6S features six independent high-power stereo amplifiers in one compact rack unit, delivering maximum audio quality even at very high or very low volume levels; HA6S has been meticulously engineered to feature a minimized, efficient circuitry path that guarantees to keep your sound clear and crisp.

Features

- Professional amplification system for studio and stage applications
- (6) individual headphone channels
- Input gain control and individual output gain control
- Stereo AUX input on each channel with level control
- Supplies (6) fully independent mixes for up to (18) pairs of headphones
- Mono and Left/Right mutes per channel for (2) mono mixes per channel
- Balance control to mix Main and Aux input signals
- Four-segment LED on each channel for easy visual monitoring



Main Input	Connectors: XLR and 1/4" jacks
	Type: RF-filtered, servo balanced inputs
	Impedance: 50kΩ balanced, 25kΩ unbalanced
	Max. input level: +21dBu balanced and unbalanced (unity gain)
	CMRR: typically 40dB, >55dB @1kHz
AUX IN and DIRECT IN Input	Connectors: 1/4" TRS (tip=left, ring=right, sleeve=ground)
	Type: unbalanced
	Impedance: 25 kΩ unbalanced
	Max. input level: +21dBu unbalanced (unity gain)
	CMRR: typically 40dB, >55dB @1kHz
Audio Output	Connectors: XLR and 1/4" jacks
	Type: Balanced / unbalanced
	Impedance: Dependent on the input impedance
	Max. output level: +21 dBu balanced and unbalanced
System Specifications	Frequency response: 10Hz-50,000kHz, ±3dB
	Noise: >90dB unweighted (22Hz - 22kHz > 95dB @ +4dBu)
	Total Harmonic Distortion (THD): 0.005% typically @+4dBu, 1kHz, Gain 1
Power Amplifier	Max. output power: +21dBm
	Min. output impedance: 100Ω
	Max. gain: +20dB
Function Controls	Input level: Variable
	Balanced per channel: Mix between AUX and MAIN signal
	Output level per channel: Variable
Function Switches	Left mute: Mutes the left signal of the respective channel
	Right mute: Mutes the right signal of the respective channel
	Mode: Switches channel to MONO
Indicators	Input level: 8-digit LED display; -24/-18/-12/-6/0/+6/+12/+18 dBu
	Output level: 4-digit LED display; -24/0/+12 dBu/Clip
General	Power supply USA/Canada: 120V AC, 60Hz
	Power supply U.K./Australia: 240V AC, 50Hz
	Power supply Europe: 230V AC, 50Hz
	Power consumption: 40W
	Fuse: 95-120V AC: T500mA L / 210-240V AC: T315mA L
	Mains connection: Standard IEC receptacle
	Dimensions: (WxDxH) 19" x 8.54" x 1.7" (483 x 217 x 44mm)
	Weight: 6.39lbs (2.9kg)