



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

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| Main Input | Connectors: XLR and 1/4" jacks |
| | Type: RF-filtered, servo balanced inputs |
| | Impedance: 50k Ω balanced, 25k Ω 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 k Ω 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, \pm 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: 100 Ω |
| | 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) |