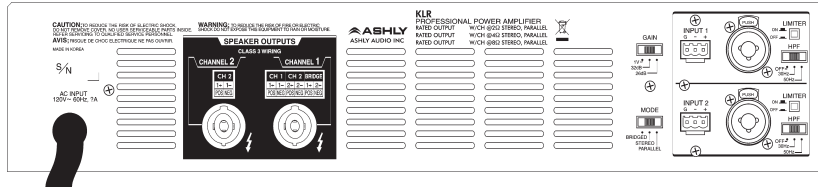


KLR Series Two-Channel, High Performance Amplifiers

KLR specifications

KLR-2000 | KLR-3200 | KLR-4000



Ashly's KLR-Series amplifiers are high-efficiency, lightweight, two-channel, high power amplifiers incorporating the latest technologies delivering quality and value for professional quality performance at an extremely affordable price. Whether your application is professional audio or fixed performance installation, KLR amplifiers are optimized to provide reliable audio performance with sonic perfection.

Covering a power range from 1000 to 2000 watts per channel at 2 ohms (20Hz-20kHz, 1% THD), the KLR-2000, KLR-3200, and KLR-4000 are perfectly suited for a wide range of sound reinforcement. All three KLR amplifiers are optimized to deliver high levels of sustained power, extraordinary audio performance, and road-proven reliability into 2, 4, or 8 ohm loads and are housed in a uniform, rugged 2RU chassis. Each KLR amplifier uses a state-of-the-art Switch Mode Power Supply which assures you of flawless lows, punchy mids and pristine highs. The output topography of the KLR-2000 and KLR-3200 are Class-AB, while the KLR-4000 is a two-step Class-H design. KLR-Series protection circuits include: output over-current protection, DC output protection, chassis internal temperature monitoring, inrush limiting and a mains circuit breaker.

Front panel features include: individual input attenuators, signal, clip and protect LEDs, air inflow vents with removable dust filters, power switch and power LED. Rear panel features include: balanced inputs via 3-pin Euroblock, combo XLR/ 1/4" TRS connectors, Neutrik Speakon output connectors, 3-position gain switch (1V, 32dB or 26dB sensitivity), 3-position mode switch (bridged, stereo or parallel mono), 3-position HPF switch (30Hz, 50Hz or off), on/off limiter switch, air outflow vents and permanently attached power cord.

Features:

- Balanced inputs via 3-pin Euroblock and combo XLR/ 1/4" TRS connectors
- Switch mode power supply provides high efficiency and low weight
- Forced air cooled (front in, rear out)
- Removable dust filters
- Front mounted attenuators
- Front panel indicators for output level, clip/protect, and power on/off
- Gain selectable switch for both channels
- Rack ears for permanent installation in a standard 2RU enclosure
- Neutrik Speakon output connectors
- 3-position gain switch (1V, 32dB or 26dB sensitivity)
- 3-position mode switch (bridged, stereo or parallel mono)
- 3-position HPF switch (30Hz, 50Hz or off)
- On/off limiter switch
- Permanently attached power cord
- Extensive protection circuitry

	KLR-2000	KLR-3200	KLR-4000
Rated Power Output Per Channel			
Stereo Mode, both channels driven			
8 Ω , 20 Hz - 20 kHz, 1% THD	350W	650W	850W
4 Ω , 20 Hz - 20 kHz, 1% THD	600W	1100W	1400W
2 Ω , 20 Hz - 20 kHz, 1% THD	1000W	1600W	2000W
Bridged Mono Mode			
4 Ω , 20 Hz - 20 kHz, 1% THD	2000W	3200W	4000W
Line Current Draw (all channels driven @4Ω)			
Idle	0.99A	0.92A	1.05A
1/8th Power Pink Noise	9.7A	11.4A	14.0A
1/3 Power Sine Wave	14.9A	16.6A	19.8A
S/N (20 Hz-20 kHz, unweighted)	>98dB	>105dB	>108dB
Thermal Dissipation (all channels driven @4Ω)			
Idle (BTU/hr)	164	136	171
1/8th Power Pink Noise (BTU/hr)	1876	2063	2489
1/3 Power Sine Wave (BTU/hr)	2880	3001	3516
Voltage Gain (rated output power @4 Ω)	31dB	33dB	36dB
Signal to Noise Ratio			
(20Hz-20kHz, rated power @ 8 Ω unweighted)	>108 dB	>109 dB	>109 dB
Output Circuitry:	Class AB	Class AB	2 Step Class H
Weight	23.6 lbs (10.7kg)	24 lbs (10.9kg)	26.4 lbs (12kg)
Frequency Response 1W @ 8 Ω	20Hz-20kHz		
(-3dB down point)	+/- 0.3dB5Hz - 70kHz		
Damping Factor - 100Hz @ rated power @8 Ω	>380		
THD 20Hz-20kHz,	10dB below rated output @4 Ω <0.05%		
Input Impedance	12 k Ω , balanced		
HPF	(30Hz, 50Hz, Off), 12dB/Oct		
Amplifier Protection	Output Overcurrent, DC Output, Chassis Temperature, Mains Breaker		
Cooling	Variable Speed Fan, Front to Rear Air Flow		
Front Panel Indicators	Prot/Clip, Signal, Power		
Attenuators	Per channel: front panel		
Input Connectors, each channel	3- Pin Euroblock, XLR, ¼" TRS Phone Jack		
Output connectors, each channel	Speakon		
Operating Temperature/Humidity	Temperature: -10C - +40C / Humidity: 0% - 90%		
Power Cable Connector	Permanently Attached 3-Prong IEC		
Dimensions	19" x 3.5" x 16" (482mm x 88mm x 407mm)		

KLR-Series amplifiers are very efficient, lightweight high-power amplifiers incorporating the latest amplifier technologies.



Architect & Engineering Specs

KLR-2000

The two-channel power amplifier shall incorporate the latest amplifier technology to deliver a minimum power of 1,000 Watts per channel into 2 Ohm loads, 600 Watts RMS per channel into 4 Ohm loads, or 350 Watts RMS per channel into 8 Ohm loads with both channels operating. The amplifier shall have rear panel switching for parallel mono and bridging modes. When switched into bridged-mono mode, the amplifier it shall deliver 2,000 Watts into a 4 Ohm load. The amplifier protection shall include output over-current, DC output, chassis temperature, and a mains circuit-breaker. Frequency response shall be 20Hz to 20kHz (1W @ 8 Ohms). The Signal-to-Noise Ratio shall be greater than 108dB at rated power into 8 Ohms (unweighted). THD shall be less than 0.05% into 4 Ohms, 20Hz – 20kHz and 10dB below rated power. The amplifier shall have a channel attenuator for each input on the front panel and input sensitivity select switch, a high-pass filter switch and limiter enable switch on the rear panel. The inputs shall be of balanced bridging type with XLR, ¼" TRS, and 3-pin Euroblock connectors. The outputs shall be Neutrik Speakon connectors. L.E.D type indicators shall be employed to show the relative power level of each channel, clip/protect and power on/off. Self contained forced air cooling (front in) shall be used with front panel mounted, removable dust filters. The power amplifier shall weigh 24lbs/10.9kg net and mount in a standard 19 inch rack using two spaces (3.5 inches high). The power requirement shall be 110 – 125VAC, 50 – 60Hz. The power amplifier shall be the Ashly KLR-2000.

KLR-3200

The two-channel power amplifier shall incorporate the latest amplifier technology to deliver a minimum power of 1,600 Watts per channel into 2 Ohm loads, 1,100 Watts RMS per channel into 4 Ohm loads, or 650 Watts RMS per channel into 8 Ohm loads with both channels operating. The amplifier shall have rear panel switching for parallel mono and bridging modes. When switched into bridged-mono mode, the amplifier it shall deliver 3,200 Watts into a 4 Ohm load. The amplifier protection shall include output over-current, DC output, chassis temperature, and a mains circuit-breaker. Frequency response shall be 20Hz to 20kHz (1W @ 8 Ohms). The Signal-to-Noise Ratio shall be greater than 109dB at rated power into 8 Ohms (unweighted). THD shall be less than 0.05% into 4 Ohms, 20Hz – 20kHz and 10dB below rated power. The amplifier shall have a channel attenuator for each input on the front panel and input sensitivity select switch, a high-pass filter switch and limiter enable switch on the rear panel. The inputs shall be of balanced bridging type with XLR, ¼" TRS, and 3-pin Euroblock connectors. The outputs shall be Neutrik Speakon connectors. L.E.D type indicators shall be employed to show the relative power level of each channel, clip/protect and power on/off. Self contained forced air cooling (front in) shall be used with front panel mounted, removable dust filters. The power amplifier shall weigh 26.4lbs/12kg net and mount in a standard 19 inch rack using two spaces (3.5 inches high). The power requirement shall be 110 – 125VAC, 50 – 60Hz. The power amplifier shall be the Ashly KLR-3200.

KLR-4000

The two-channel power amplifier shall incorporate the latest amplifier technology to deliver a minimum power of 2,000 Watts per channel into 2 Ohm loads, 1,400 Watts RMS per channel into 4 Ohm loads, or 850 Watts RMS per channel into 8 Ohm loads with both channels operating. The amplifier shall have rear panel switching for parallel mono and bridging modes. When switched into bridged-mono mode, the amplifier it shall deliver 4,000 Watts into a 4 Ohm load. The amplifier protection shall include output over-current, DC output, chassis temperature, and a mains circuit-breaker. Frequency response shall be 20Hz to 20kHz (1W @ 8 Ohms). The Signal-to-Noise Ratio shall be greater than 109dB at rated power into 8 Ohms (unweighted). THD shall be less than 0.05% into 4 Ohms, 20Hz – 20kHz and 10dB below rated power. The amplifier shall have a channel attenuator for each input on the front panel and input sensitivity select switch, a high-pass filter switch and limiter enable switch on the rear panel. The inputs shall be of balanced bridging type with XLR, ¼" TRS, and 3-pin Euroblock connectors. The outputs shall be Neutrik Speakon connectors. L.E.D type indicators shall be employed to show the relative power level of each channel, clip/protect and power on/off. Self contained forced air cooling (front in) shall be used with front panel mounted, removable dust filters. The power amplifier shall weigh 26.7lbs/12.1kg net and mount in a standard 19 inch rack using two spaces (3.5 inches high). The power requirement shall be 110 – 125VAC, 50 – 60Hz. The power amplifier shall be the Ashly KLR-4000.

Visit www.ashly.com to download KLR series data sheets