Ashly Audio, Inc. | 847 Holt Road | Webster, NY 14580-9103 USA | US toll free: +1-800-828-6308 | tel: +1-585-872-0010 | fax: +1-585-872-0739 | sales@ashly.com | www.ashly.com | Ashly is a division of Jam Industries, Ltd.

5-Year Warranty | 70V Rated* | KLR uses Neutrik® Components

ASHLY

KLR2000
KLR3200
KLR4000
KLR5000

KLR SERIES

Two-Channel, High-Performance Power Amplifiers

The *KLR Series* are lightweight, high-performance amplifiers incorporating the latest technologies delivering quality and value at an affordable price. Whether your application is professional audio or fixed performance installation, KLR amplifiers are optimized to provide reliable audio performance with sonic perfection.

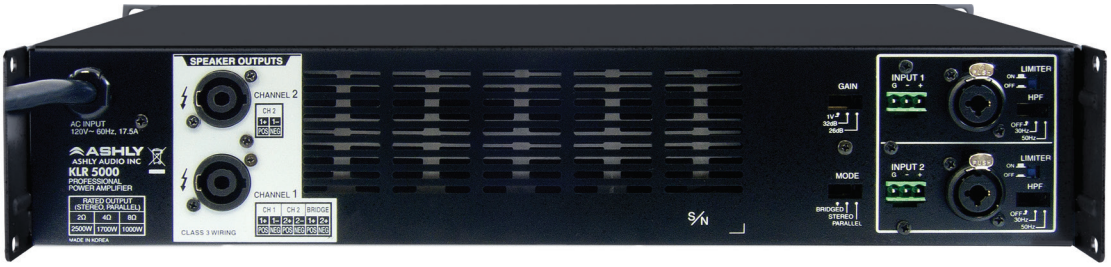
Covering a power range from 1000 to 2500 Watts per channel at 2 Ohms the ***KLR-2000, KLR-3200, KLR-4000*** and ***KLR-5000*** are perfectly suited for a wide range of sound reinforcement. All four KLR amplifiers are optimized to deliver high levels of sustained power, extraordinary audio performance, and road-proven reliability into 2, 4, or 8 Ohm loads and are housed in a a uniform, rugged 2RU chassis. Each KLR amplifier uses a switch mode power supply which assures you of flawless lows, punchy mids and pristine highs. The output topology of the KLR-2000 is Class-AB, while the KLR-3200, 4000, and 5000 are a 2-step Class-H design.

KLR Features:

- Rated for 2 Ohms operation
- Balanced inputs via 3-pin Euroblock
- Combo XLR/TRS connectors
- Neutrik® speakON® type output connectors
- Switch-mode power supply with extensive protection circuitry
- On/off limiter switch
- Forced-air cooled (front-in, rear-out)
- Removable dust filters, easy to clean
- Front-mounted attenuators
- Removable amp handles for permanent installation
- Optional locking front panel volume knobs
- Safety/Compliance: cCSAus, CE, FCC, RoHS

Specifications	Note: 0dBu = 0.775 VRMS
Frequency Response (1W @ 8 Ohms)	20Hz–20kHz (+0.3dB) 5Hz–70kHz (-3dB down point)
Damping Factor	>380 (100Hz @ rated power @ 8 Ohms)
THD (20Hz–20kHz)	10dB below rated output @ 4 Ohms <0.05%
Input Impedance	12k Ohm, balanced
Max Input Level	+21dBU
HPF	30Hz, 50Hz, Off (12dB/Oct)
Amplifier Protection	Output Overcurrent, DC Output, Chassis Temperature, Mains Breaker (KLR-5000 uses internal Mains fuse)
Operating Temp/Humidity	-10C to +40C/Humidity: 0% to 90%
Front Panel	
Airflow/Cooling	Front-to-Rear, Variable Speed Fan
Front Panel Indicators	Protection/Clip, Signal, Power
Attenuators	Front Panel (each channel)
Rear Panel	
Input Connectors (each Ch)	3-pin Euroblock, XLR, ¼" TRS Phone Jack
Output Connectors	4-pin SpeakON® type (each channel)
Power Cable Connector	3-prong NEMA 5–15, 5–20 for KLR-5000
Weights, Dimensions & Power	
Dimensions	19" W x 3.5" H x 16" D (482mm x 88mm x 407mm)
Unit Weight	KLR-2000: 26.2lbs (11.9kg) KLR-3200: 26.4lbs (12kg) KLR-4000: 26.6lbs (12kg) KLR-5000: 28lbs (12.7kg)
Shipping Weight	KLR-2000: 31lbs (14kg) KLR-3200: 33lbs (15kg) KLR-4000: 33lbs (15kg) KLR-5000: 35lbs (16kg)
Power Requirements	120VAC or 240VAC, ±10% (factory set) 50–60Hz

KLR Models	2000	3200	4000	5000
Max Output Power: Per Channel, 20Hz–20kHz, 1%THD, Both Channels Driven				
2 Ohms	1,000W	1,600W	2,000W	2,500W
4 Ohms	600W	1,100W	1,400W	1,700W
8 Ohms	350W	650W	850W	1,000W
Bridge Mode, 20Hz–20kHz, 1%THD				
4 Ohms	2,000W	3,200W	4,000W	5,000W
Constant Voltage Options: Per Channel, 20Hz–20kHz, 1% THD				
70V	—	800W*	—	—
Line Current Draw: 120VAC 60Hz, All Channels Driven @ 4 Ohms				
Idle	0.99A	0.92A	1.05A	1.14A
1/8th Power (Pink Noise)	9.7A	11.4A	14.0A	17.5A
1/3 Power (Sine Wave)	14.9A	16.6A	19.8A	24.7A
Thermal Dissipation: BTU/hr, All Channels Driven				
Idle	164	136	171	215
1/8th Power (Pink Noise)	1876	2063	2489	3111
1/3 Power (Sine Wave)	2880	3001	3516	4395
Additional Specs				
Signal-to-Noise (20Hz–20kHz, unweighted)	>108dB	>109dB	>109dB	>110dB
Input Gain Switch	1V, 20dB, 26dB	1V, 26dB, 32dB	1V, 26dB, 32dB	1.4V, 26dB, 32dB
Output Circuitry	Class AB	2-Step Class H	2-Step Class H	2-Step Class H



** The KLR 3200 can also be used as a two-channel 70V distributed output amplifier providing up to 800W per channel.*

Ashly Audio, Inc. | 847 Holt Road | Webster, NY 14580-9103 USA | US toll free: +1-800-828-6308 | tel: +1-585-872-0010 | fax: +1-585-872-0739 | sales@ashly.com | www.ashly.com | Ashly is a division of Jam Industries, Ltd.

KLR SERIES 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 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–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 four pin SpeakON type connectors. LED 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 26.2lbs/11.9kg net and mount in a standard 19 inch rack using two spaces (3.5 inches high). The power requirement shall be 120VAC or 240VAC ±10%, 50–60Hz, factory set.

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 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–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 four pin SpeakON type connectors. LED 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 120VAC or 240VAC ±10%, 50–60Hz, factory set.

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 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–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 four pin SpeakON type connectors. LED 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 120VAC or 240VAC ±10%, 50–60Hz, factory set.

The power amplifier shall be the Ashly **KLR-4000**.

KLR-5000

The two-channel power amplifier shall incorporate the latest amplifier technology to deliver a minimum power of 2,500 Watts per channel into 2 Ohm loads, 1,700 Watts RMS per channel into 4 Ohm loads, or 1,000 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 shall deliver 5,000 Watts into a 4 Ohm load. The amplifier protection shall include output over-current, DC output, chassis temperature, and an internal mains fuse. Frequency response shall be 20Hz–20kHz (1W @ 8 Ohms). The Signal-to-Noise Ratio shall be greater than 110dB 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 four pin SpeakON type 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 28.2lbs/12.8kg net and mount in a standard 19 inch rack using two spaces (3.5 inches high). The power requirement shall be 120VAC or 240VAC ±10%, 50–60Hz, factory set.

The power amplifier shall be the Ashly **KLR-5000**.