

KICKER®

51LX500.4

4x125 Watt 4-ch. Full Range Class D Amp

Specifications

Electrical Parameters

Power (@14.4V, <1%THD+N)	4Ω Stereo	125W x 4
Power (@14.4V, <1%THD+N)	2Ω Stereo	225W x 4
Power (@14.4V, <1%THD+N)	4Ω Bridged	450W x 2
Dynamic Power (@14.4V, <10%THD+N)	4Ω Bridged	1100W
Lowest Rated Impedance		2Ω Stereo / 4Ω Bridged
Signal to Noise Ratio (CEA)	1W	>-75dB
Signal to Noise Ratio	Rated Power	>-95dB
Channel Separation (Rated Power)	1000Hz	>55dB
CMRR	1000Hz	-40dB
Input Impedance		>20kΩ
Frequency Response		20Hz - 20kHz
Variable HiPass Filter (Amp 1 & 2)	12/18/24BW 12/24LR	20Hz - 5kHz
Variable LoPass Filter (Amp 1 & 2)	12/18/24BW 12/24LR	40Hz - 5kHz
Variable BandPass Filter (Amp 1 & 2)	12/18/24BW 12/24LR	20Hz - 5kHz
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<80A
Low Level Input Sensitivity		125mV - 5V
High Level Input Sensitivity		1V - 40V
Under Voltage Protection		6.5V (warning at 10.5V)
Over Voltage Protection		16.5V (warning at 16V)
Active Thermal Management		>75°C

What's in the box?

51LX500.4
LX500.4 Customer Information Card
LX Control Center
Mounting Hardware
3mm Hex Key
Power Wire Cable Chart
Birth Certificate
High level Input Harness (CEA Color Standard)

Physical Materials

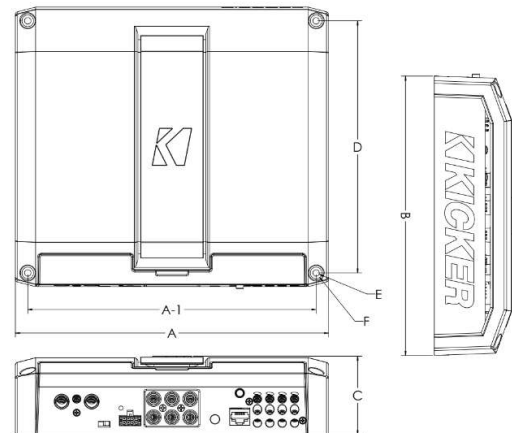
Heat Sink	Powder Coated Cast Aluminum
End Panel	Painted Injection Molded ABS Plastic
Bottom Panel	Powder Coated Stamped Steel
Center Panel	Powder Coated Stamped Steel
Control Panel Cover	Painted Injection Molded ABS Plastic
LXControl Center	Painted Injection Molded ABS Plastic



Features

- Unique RGB Dimmable Amp Top Plate
- LED Illuminated Gain Knobs with Clip Indicator
- FIT+™ Differential Inputs - Near Universal Compatibility with Source Units
- DSP Functionality with LX Control Center to Dial In Your Sound
- Active Thermal Management for All-Day Play Time
- Customize the Appearance with Reversible Center Panel

Unit Dimensions

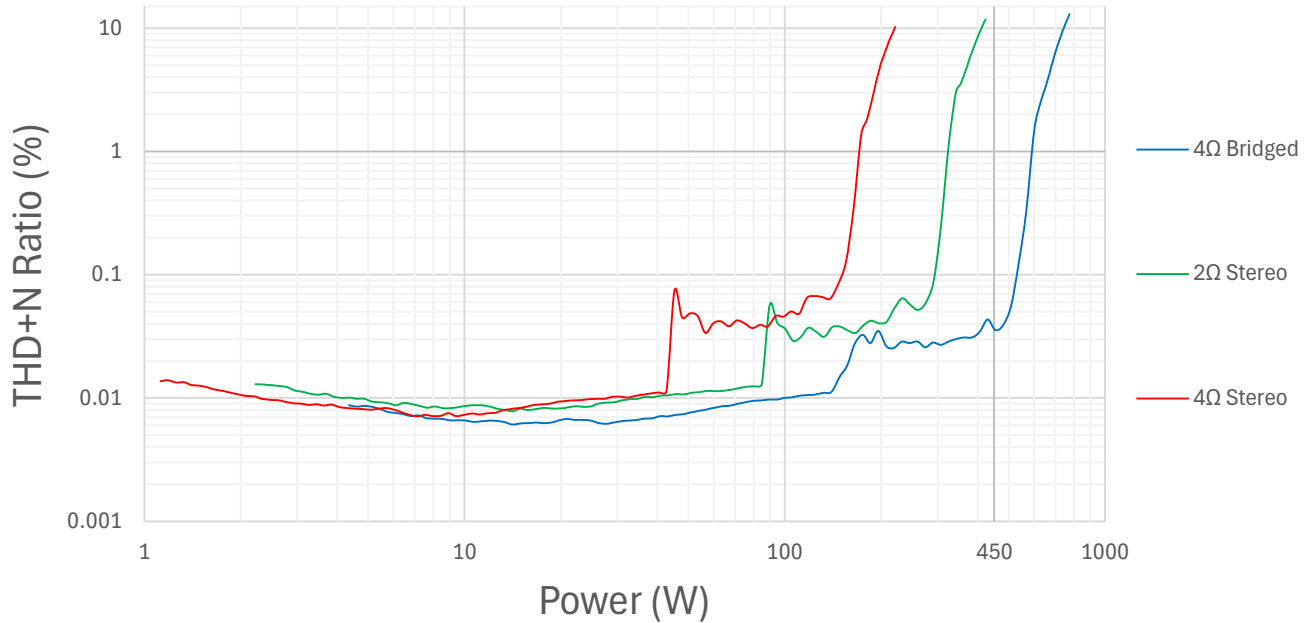


A - Overall Length	9-7/16"	240.0mm
A-1 - Mounting Holes Location - Length	8-11/16"	221.0mm
B - Overall Width	8-7/16"	214.0mm
C - Overall Height	2-3/8"	60.2mm
D - Mounting Holes Location - Width	7-5/8"	193.0mm
E - Mounting Hole Inner Diameter	3/16"	5.0mm
F - Mounting Hole Outer Diameter	3/8"	9.0mm

Technical Graph Data

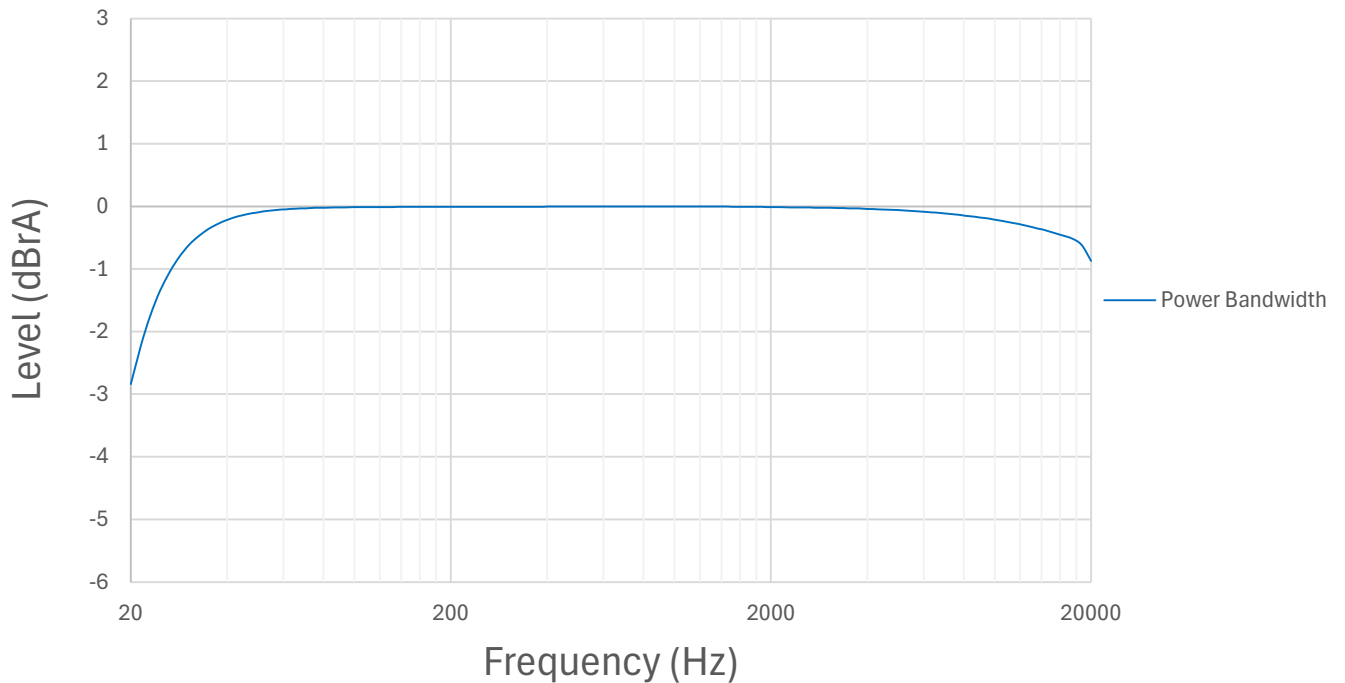
AMP1 and AMP2 - THD+N vs. Power (W) @14.4VDC

THD+N Ratio (%) vs. Power (W)



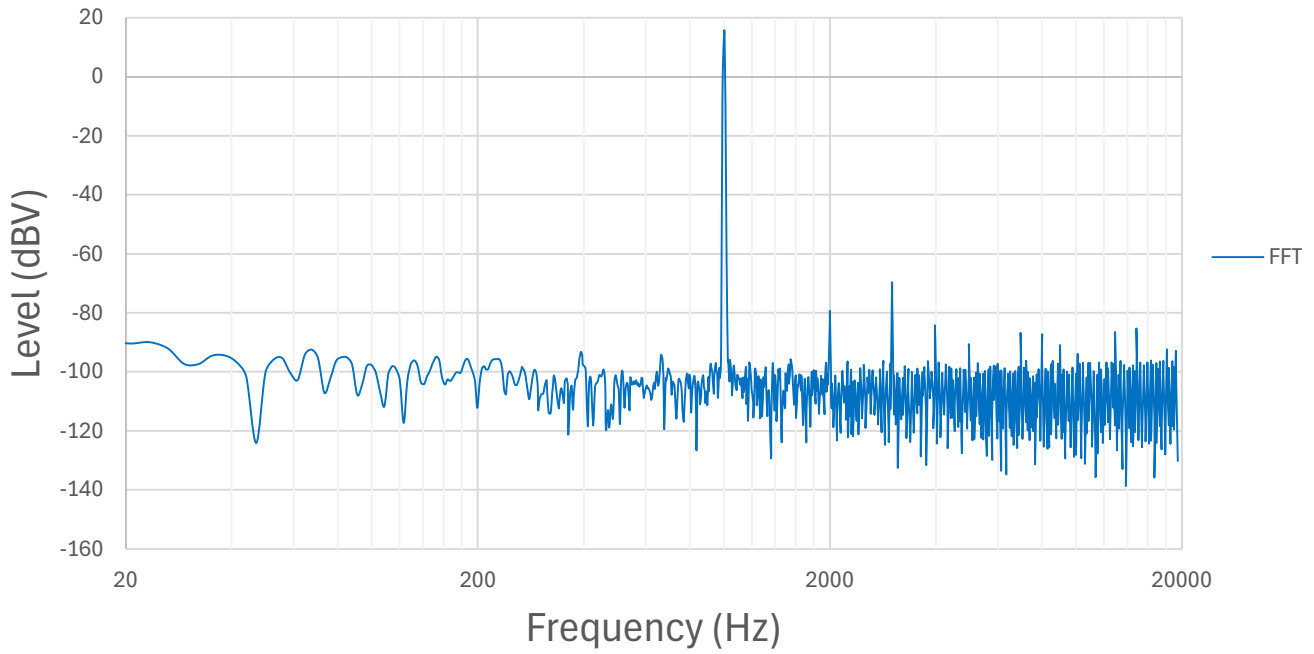
AMP1 and AMP2 - Power Bandwidth (4Ω) @14.4VDC

Power Bandwidth, re: Rated Power (125W @ 4Ω)



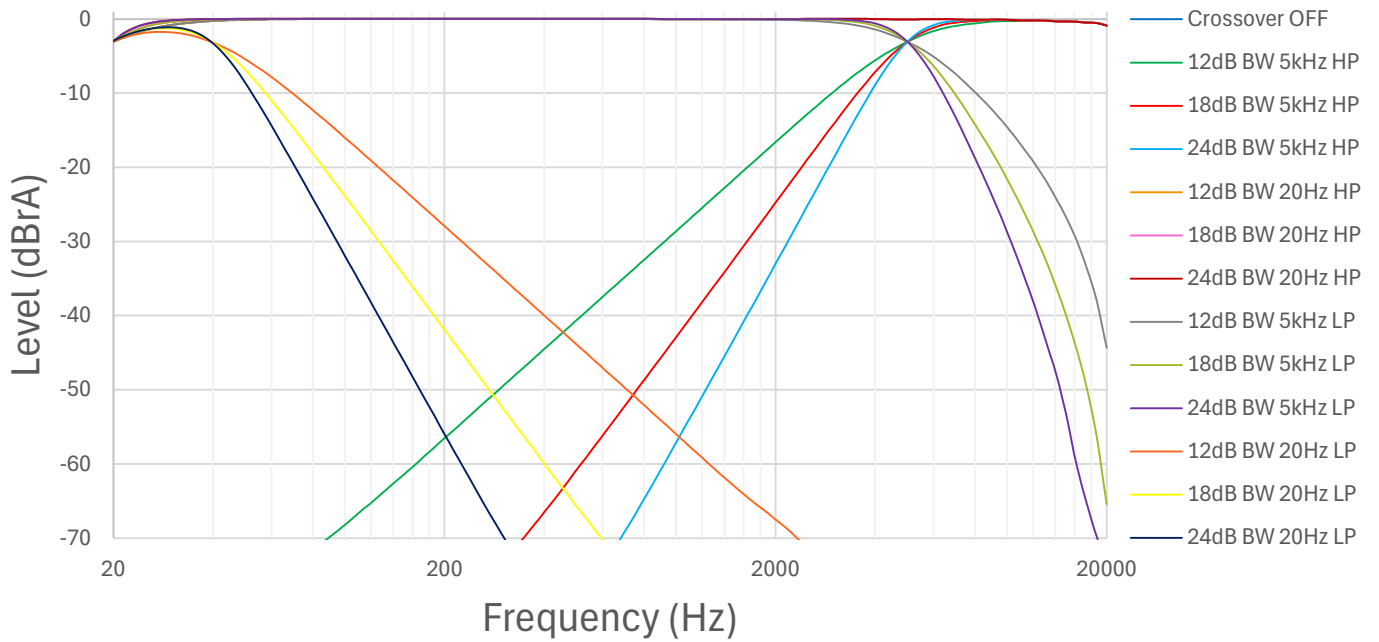
AMP1 and AMP2 - FFT

FFT (1kHz Signal)



AMP1 and AMP2 Butterworth Crossover Frequency Response

AMP1 and AMP2 Butterworth Crossover Frequency Response



AMP1 and AMP2 Linkwitz-Riley Crossover Frequency Response

AMP1 and AMP2 Linkwitz-Riley Crossover Bench

