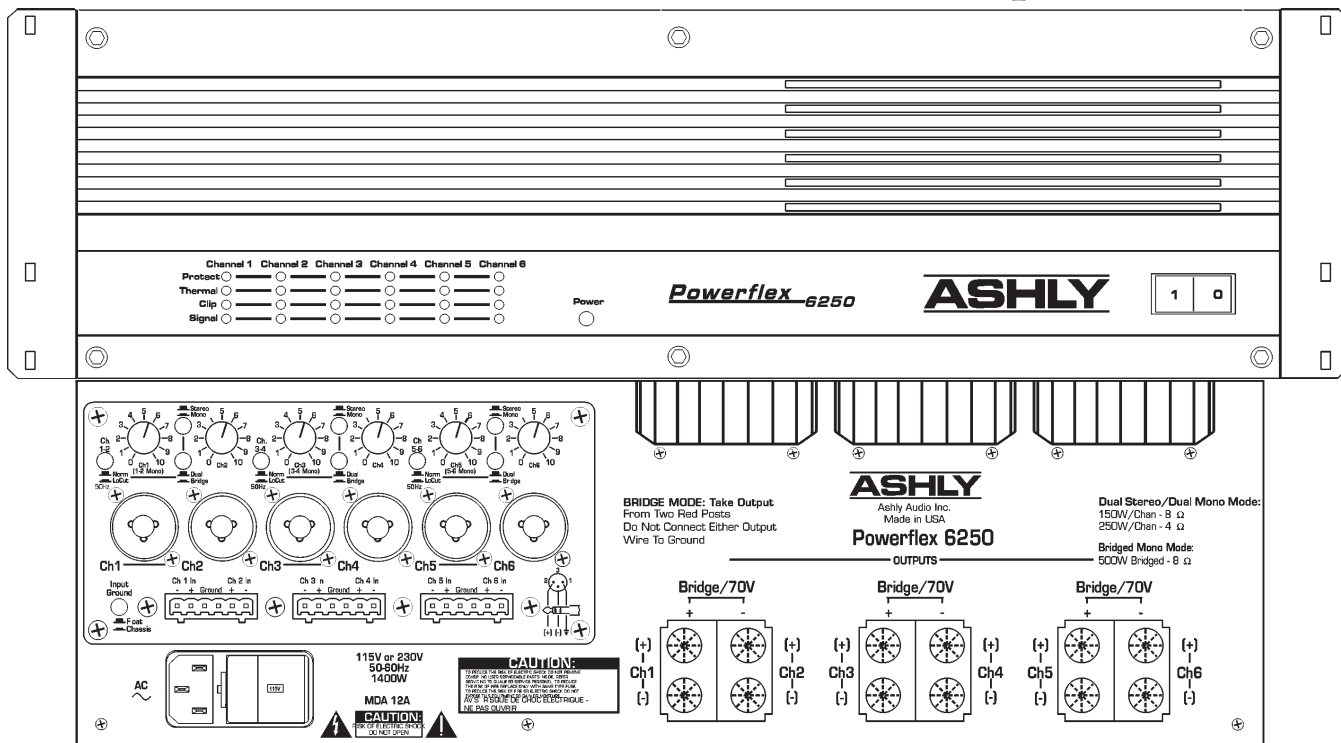


Powerflex-6250 Six Channel Amplifier



What the Powerflex-6250 Can Do:

- Six Independent Channels of Amplification
- Three Channels of 70V Amplification
- Combinations of 70V and Low Impedance Amplification
- Won't 'Wimp Out' Under Demanding Loads
- Protect Itself From Hazardous Situations
- Provide Clean Sound at Full Output From Every Channel
- Generate Less Heat Than Conventional Amplifiers
- Reduce Rack Space - Six Channels in 3RU
- Reduce Rack Weight - Six Channels at 45lbs.
- Reduce Level Tampering - Rear Panel Controls

APPLICATIONS:

- Any Multichannel Power Amplification Application
- 25 and 70V Systems
- Paging Systems
- Sound Masking Systems
- Cinema Systems
- Home Theater Systems
- Boardroom Audio Applications
- Multiple Zone - Restaurant, Bar, Theme Park or Auditorium Systems
- PA and DJ Systems
- Surround Sound Applications
- Recording Studios

FEATURES:

- Six Channel Amplifier - 150W/Ch @ 8 Ohms, 250W/Ch @ 4 Ohms
- Revolutionary High-Speed Switched MosFet Output Design with Spread Spectrum Switching Technology
- Superior Efficiency Over Conventional Linear Amplifiers
- Input Module with Level Controls Located on Rear Panel
- Switchable HPF on Inputs
- XLR - 1/4", Euroblock Input Connections
- 5-Way Binding Post Output Connections
- Individual Channel Front Panel Level and Protection Indicators
- Multiple Protection Circuits
- Exceptional Audio Fidelity
- Bridgeable Channel Pairs
- Internal Modular Design
- Quiet, Two-Speed Fan
- Front In/Rear Out Channeled Air-Flow
- Five Year Warranty

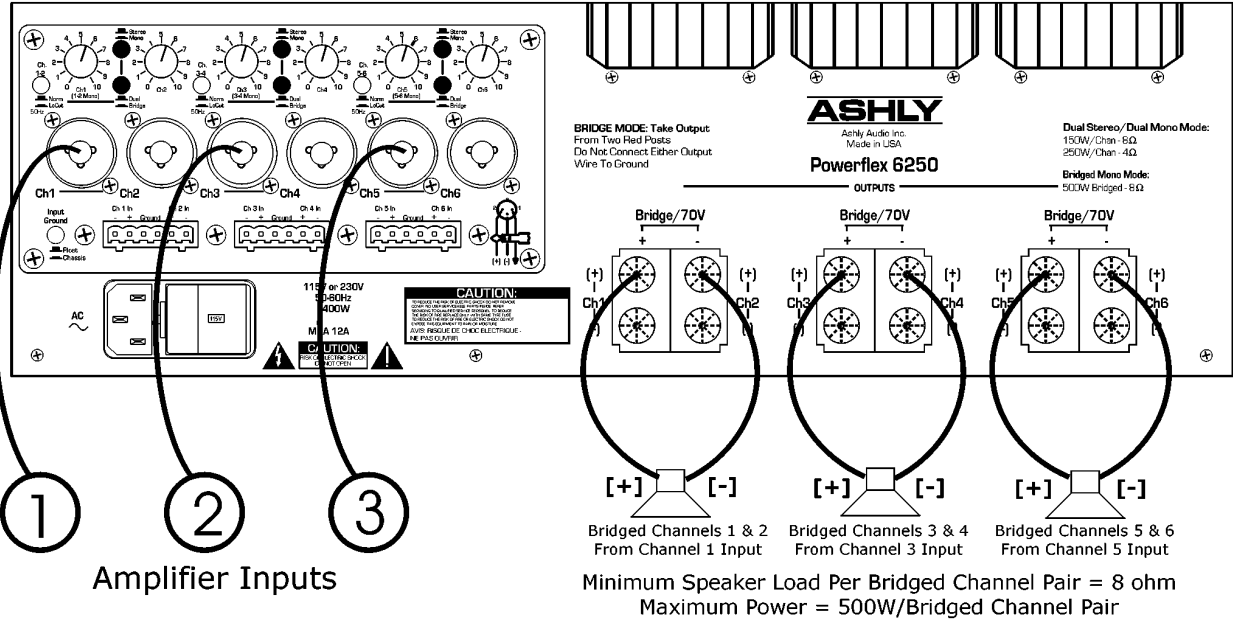
Bridged Mono Setup

Input Section:

Up to Three Different Inputs
Stereo/Mono Switches In
Dual/Bridge Switches In
Active Level Controls Channels 1, 3 and 5
Normal/Lo-Cut Switch In (if using for 70V)

Applications:

High Power Monitors
High Powered Full Range and PA Speakers
Subwoofers
70 Volt Constant Voltage Systems



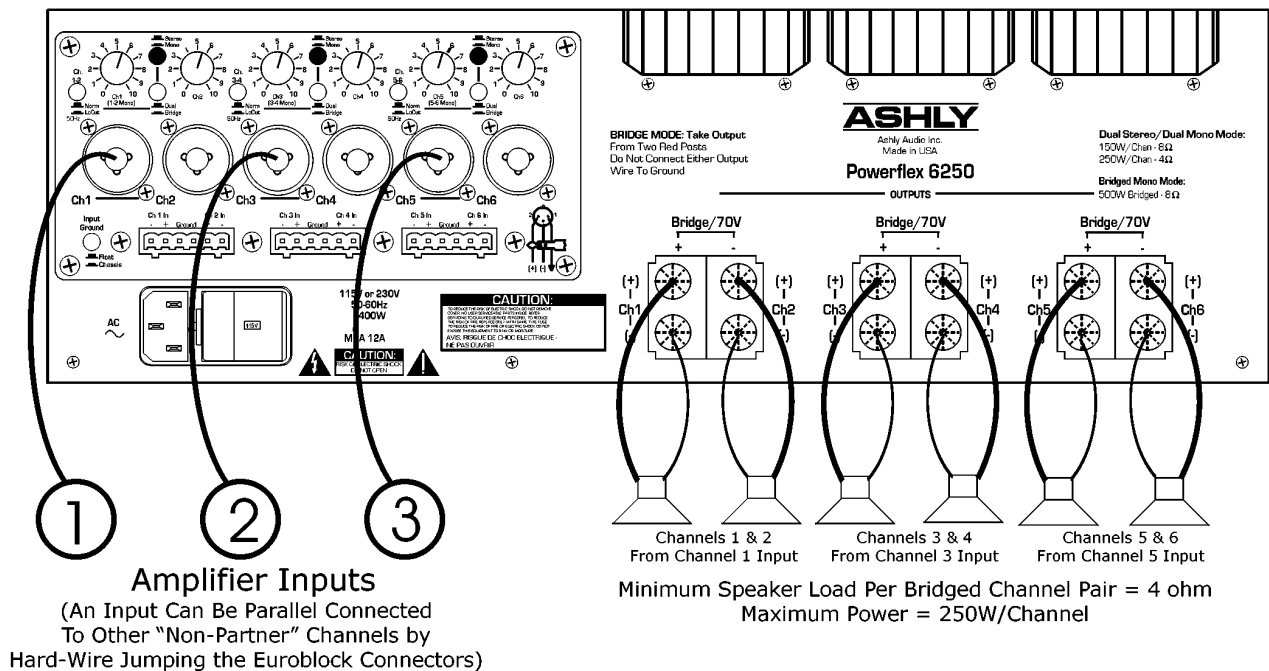
Dual Mono Setup

Input Section:

Up to Three Different Inputs
Stereo/Mono Switches In
Dual/Bridge Switches Out
Active Level Controls Channels 1, 3 and 5

Applications:

Multiple Zone Systems
Three Different Stage Monitor Mixes
Dual- Mono FOH Triamplification



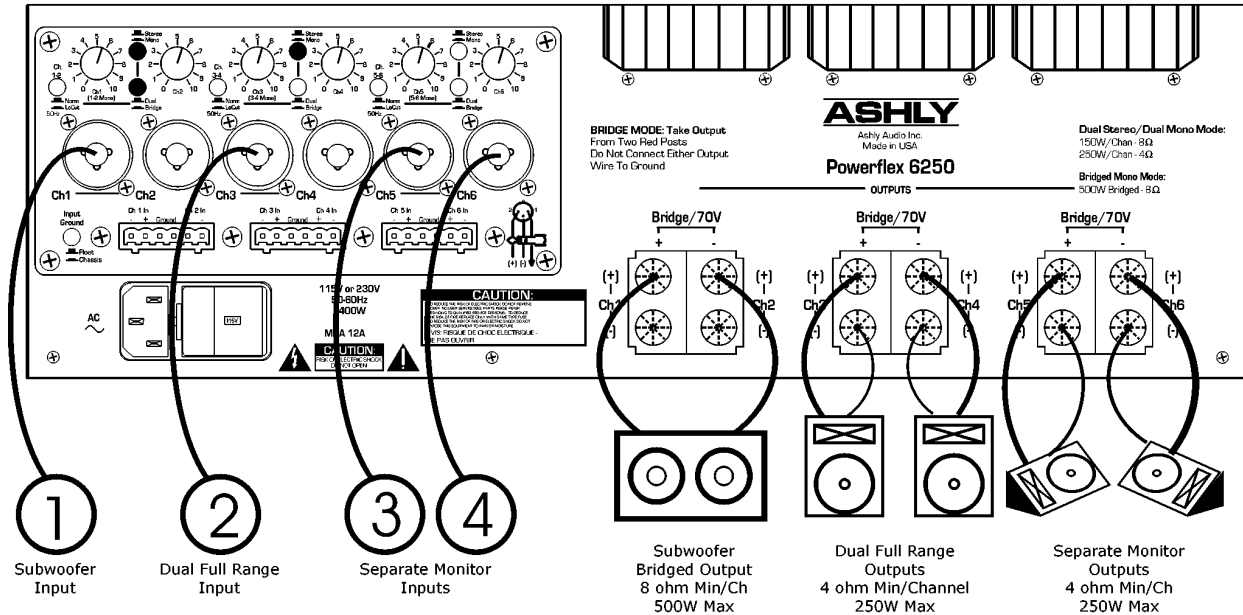
Flex PA Setup

Input Section:

- Flexible Inputs
- Stereo/Mono Switches In Ch 1 & 3
- Dual/Bridge Switch In Ch 1
- Active Level Controls Channels 1, 3, 5 and 6

Applications:

As Shown



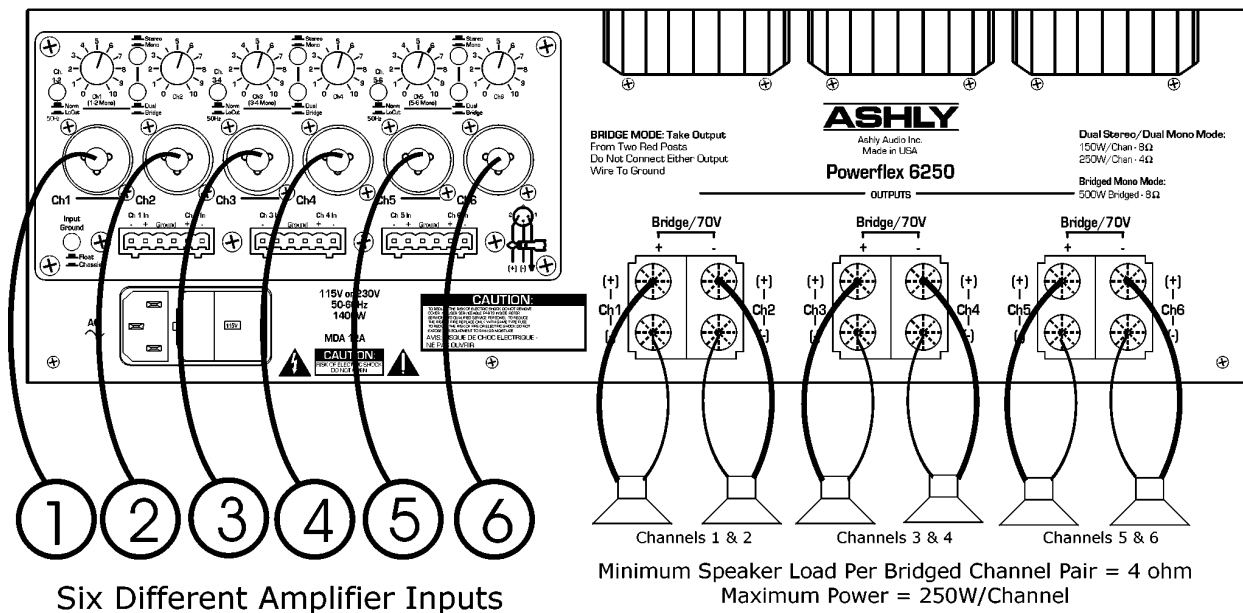
Six Channel Setup

Input Section:

- Six Different Inputs
- Stereo/Mono Switches Out
- Dual/Bridge Switches Out
- Active Level Controls Channels 1 - 6

Applications:

- Multiple Zone Systems
- Three Pairs of Studio Monitors
- Multiple Stage Monitors
- 25V Distributed Systems
- Multi-Media Systems
- Surround Sound Systems
- 3-Way Biamp Systems
- 2-Way Triamp Systems



General Specifications Powerflex™ 6250

***Power Output**
(Maximum Average Power, 0.1% THD, 1KHz)

Rated Per Channel, Two Channels Driven

4 ohm: 250 Watts RMS

8 ohm: 150 Watts RMS

25V: 150 Watts RMS

Mono Bridged (1 Channel)

8 ohm: 500 Watts RMS

70V: 500 Watts RMS

Rated Per Channel, Six Channels Driven

4 ohm: 250 Watts RMS†

8 ohm: 150 Watts RMS

25V: 150 Watts RMS

Mono Bridged (3 channels)

8 ohm: 500 Watts RMS

70V: 500 Watts RMS

Input Impedance: 10K ohm balanced, 37K ohm unbalanced

High Pass Filter: 50Hz, 12dB/octave

****Total Harmonic Distortion (20Hz - 20KHz @ 8 ohms):** <0.2%

****IMD (SMPTE 60Hz/7KHz 4:1) @ 8 ohms:** <0.2% (throughout power range)

(IHF) @ 8 ohms: <0.1% (throughout power range)

****Hum and Noise:** -100dB from full output (A-weighted)

Full Power Input Sensitivity: 1.05V RMS (2.6dBu)

Frequency Response:
8 ohm: ±0.5dB 20Hz-20kHz
4 ohm: ±1.5dB 20Hz-20kHz
Voltage Gain: 32X (30.1dB)

Crosstalk: < -80dB (20Hz - 1KHz)

Signal Present Signal Sensitivity: 13mV RMS (-35.5dBu)

Power Requirement: 110-125VAC, 220 - 250VAC, 50/60Hz

Typical Idle Current

120V: 0.81A

240V: 0.42A

Current with Typical Audio Program Material (4 ohm load x 6 Channels)

120V: 12A

240V: 6A

Connections

Input: XLR - 1/4" (Pin 2: Hot, Tip: Hot), Eurobloc

Output: 5-Way Binding Post

Cooling: Forced Air, Thermal Sensitive 2-Speed Fan, Front Inlet/Rear Outlet

Dimensions: 19"L x 5.25"H x 16.5"D

Construction: All-Steel Chassis, Extruded Aluminum Front Panel

Weight: 45lbs

Specification conditions: 120VAC at 60Hz, 25° C

* Continuous power limited by power line capacity

**Non-conventional amplifiers require bandwidth limiting for all distortion and noise measurements

† Signal peaks in audio programming may trigger protection circuitry at low line voltages

Specifications are subject to change or improvement without notice

ASHLY

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Powerflex-6250

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