

# D1650 Digital Multi-Channel Amplifier

## 8 Zone 16 Channel 50 Watt



More power, more efficient, more robust...just more. For nearly 50 years Russound has been designing equipment to fit an installer's needs. When we went to redesign the next generation of our ubiquitous multi-channel amplifier line, we approached it from the ground-up. The result is the D-Series, a completely custom-built solution that has all the great features of historically popular multi-channel amps in a much more refined platform.

The Russound D1650 digital multi-channel amplifier offers the features custom installation professionals demand while offering a lighter weight, smaller chassis and more efficient Class D power. The feature-rich design of the D1650 is ideal for the demands of distributed audio systems and is also compatible with our Russound volume controls. The D1650's 16 channels are arranged in stereo pairs to provide discreet amplification and custom configurations for each of 8 zones.

### Sound Quality

The D-Series amplifiers all have the same legendary Russound sound quality and installer-friendly features customers have

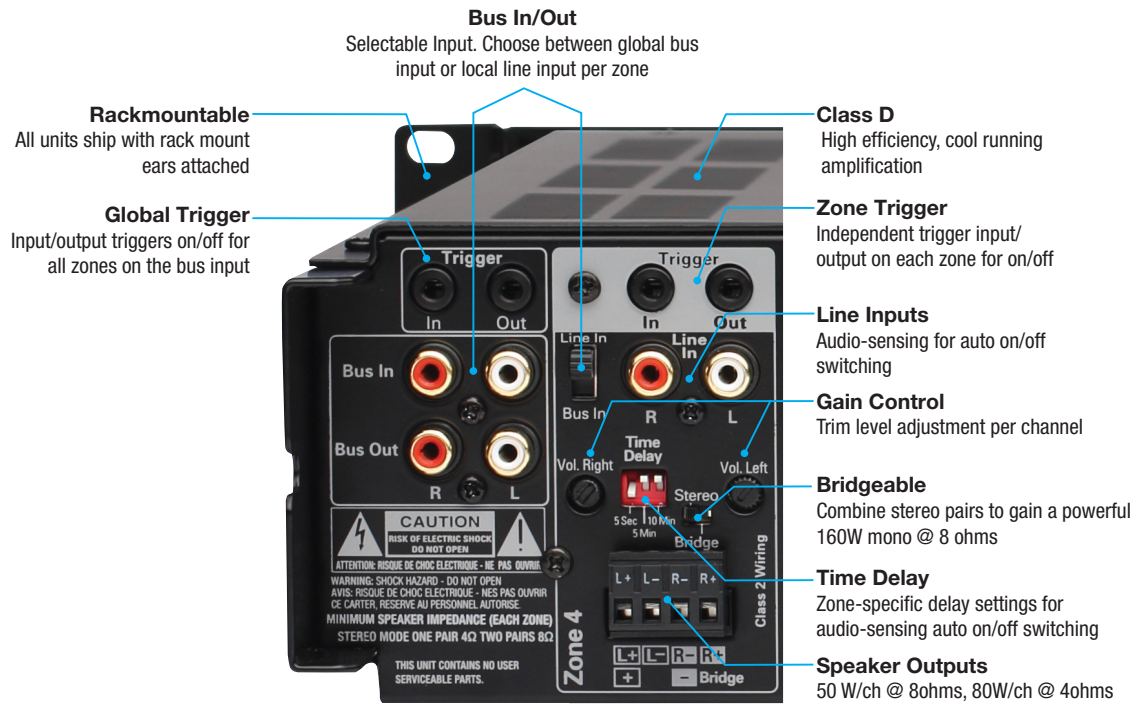
come to expect. Ultra-low distortion output (relatively unheard of in other multi-zone amplifiers) allows for clean, undistorted audio even at high listening volumes. A robust protection circuit provides efficient, safe and reliable operation under extreme conditions and protects each amplifier output channel.

### Home Theater

The D-Series amps are even up to the rigorous demands of home theater applications, easily transforming into a powerful 160 watt X 8 channel monster (in bridged mode). You can also choose to individually un-bridge pairs for lower power applications such as Dolby Atmos® or surround speakers. As an example you could run a Dolby Atmos 7.1.2 system at 7 channels @ 160W and 2 channels @ 50W. That's Russound versatility!

### Say "no" to the hum

Advanced triggering options allow the amps to operate on demand. Apart from the obvious energy efficiency, there is no amplifier hum on your speakers when the system isn't in use.



## Technical Specifications

<b>Power Output</b>	80W /Channel, 1kHz into 4 Ohms, 50W /Channel, 1kHz into 8 Ohms. Bridged: 160W, 1kHz into 8 Ohms
<b>Amplified Channels</b>	16 channels, 8 independent zones
<b>Signal-to-Noise Ratio</b>	>90dB A-weighted
<b>Frequency Response</b>	20Hz to 20kHz +1.7/-1dB at 1W output into 8 Ohms
<b>Minimum Impedance</b>	Stereo Mode 4 Ohms, Bridge Mode 8 Ohms
<b>Input Sensitivity</b>	600 mV for 80W @ 1 KHz 4 Ohm One Zone, 700 mV for 50W @ 1 KHz 8 Ohm One Zone
<b>Input Impedance</b>	>22k Ohms Line Input
<b>Trigger Inputs/outputs</b>	Bus In /Out. Each Zone In/Out 12VDC 100mA
<b>Zone Line Input</b>	Line or Bus select switch per zone
<b>Bridge Mode</b>	Select Stereo or Bridge mode per zone 8 Ohm only
<b>Speaker Connectors</b>	Detachable speaker terminals support up to 14awg wire
<b>Switching Delay</b>	Three settings, 5 seconds, 5 minutes, 10 minutes
<b>Power Requirements</b>	North American Model D1650: 100-120VAC 60Hz 1200W max, IEC C14 type connector with 3 terminal detachable power cord International Model D1650i: 220-240VAC 50Hz 1200W max, IEC C14 type connector with 3 terminal detachable power cords for UK, Europe, and Australia
<b>Fuse Rating</b>	100-120V/T5A, 250V US & Canada, 220-230V/T2.5A, 250V Europe
<b>Dimensions</b>	16.81"W x 3.46" H x 16.14"D (42.7 x 8.8 x 41.0 cm)
<b>Weight</b>	22lbs. (10kg)

## Product Specifications

Model Number	Part Number	Shipping Dimensions	Shipping Weight
<b>D1650</b>	2800-536229	22.0"L x 21.0"W x 8.7"H (55.8 x 53.3 x 22.0 cm)	24 lbs (10.9 kg)
<b>D1650i</b>	2800-536380	22.0"L x 21.0"W x 8.7"H (55.8 x 53.3 x 22.0 cm)	25 lbs (11.3 kg)