



8-Channel Digital Amplifier

D850

SKU: 16489 UPC: 612935000000

The Russound D850 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 D850 is ideal for the demands of distributed audio systems and is also compatible with our Russound volume controls. Its 8 channels are arranged in stereo pairs to provide discreet amplification and custom configurations for each of 4 zones.

Features

- High efficiency, cool running digital amplification
- Zones are bridgeable to create flexible power configurations
- Global bus input, independent inputs per zone
- Global trigger input/output
- Independent trigger input/output per zone
- Audio sensing with auto-switching delay settings per zone
- Class-D power compatible with Russound volume controls
- Robust protection circuitry for operation under extreme conditions
- Rack mountable

- **Shipping Dimensions:** 21.5" (W) x 9.0" (H) x 22.0" (D), (54.6 x 22.9 x 55.9 cm)
- **Shipping Weight:** 24.6 lbs (11.2 kg)
- **Amplifier Channels:** 8 channels 4 independent zones
- **Bridge Mode:** Select Stereo or Bridge mode per zone 8 Ohm only
- **Frequency Response:** 20Hz to 20kHz +1.7/-1dB at 1W output into 8 Ohms
- **Fuse Rating:** 100-120V/T5A, 250V US & Canada, 220-240V/T2.5A, 250V Europe
- **Input Impedance:** >22k Ohms Line Input
- **Input Sensitivity:**
 - 600 mV for 80W @ 1 KHz 4 Ohm One Zone
 - 700 mV for 50W @ 1 KHz 8 Ohm One Zone
- **Power Output:**
 - 80W /Channel, 1kHz into 4 Ohms, One Zone Driven
 - 50W /Channel, 1kHz into 8 Ohms, One Zone Driven
 - 160W, 1kHz into 8 ohms, Bridge
- **Power Requirement(s):**
 - North American Model:
 - 100-120VAC 60Hz 600W max
 - IEC C14 type connector with 3 terminal detachable power cord
 - International Model (D850i):
 - 220-240VAC 50Hz 600W max
 - IEC C14 type connector with 3 terminal detachable power cords for UK, Europe, and Australia
- **Signal to Noise Ratio:** >90dB A-weighted
- **Speaker Connection(s):** Detachable speaker terminals support up to 14awg wire
- **Switching Delay:** Three settings, 5 Seconds, 5 minutes, 10 minutes

- **Trigger Input(s):** Bus and Zone @12VDC
- **Zone Line Input:** Line or Bus select switch per zone