

Amplifiers



Amplifiers With Features for the Custom Installer

Audio amplifiers are the muscle behind every home music system. Russound puts great pride and effort into building stereo and multi-room amplifiers that supply years of problem-free service.

Russound engineers embarked on designing our amplifiers to meet the demands of multi-room audio systems: seamless integration, bulletproof reliability and astonishing fidelity. Built to complement an extensive array of audio systems, these versatile products deliver outstanding performance under the most demanding conditions.



Professional Multi-Channel Amplifiers



D1650 Sixteen-Channel Digital Amplifier

- High efficiency, cool running digital amplification
- 50W/ch @8ohm, 80W/ch @4ohm
- Bridgeable: 160W mono @8ohm
- Global bus input, independent inputs per zone
- Trim level adjustment per channel
- Global trigger input/output
- Independent trigger input/output per zone
- Audio sensing per zone
- Auto-switching delay settings per zone
- Rackmountable

Dimensions:
19.125" W (with rack ears)
x 16.81" D x 3.875" H
(45.6 x 42.7 x 9.9 cm)

Shipping Weight:
23.8 lbs (13.1 kg)

2800-536229 D1650
2800-536380 D1650i



D850 Eight-Channel Digital Amplifier

- High efficiency, cool running digital amplification
- 50W/ch @8ohm, 80W/ch @4ohm
- Bridgeable: 160W mono @8ohm
- Global bus input, independent inputs per zone
- Trim level adjustment per channel
- Global trigger input/output
- Independent trigger input/output per zone
- Audio sensing per zone
- Auto-switching delay settings per zone
- Rackmountable

Dimensions:
19.125" W (with rack ears)
x 16.81" D x 3.875" H
(45.6 x 42.7 x 9.9 cm)

Shipping Weight:
24.6 lbs (11.2 kg)

2800-536236 D850
2800-536397 D850i



Professional Two-Channel Amplifiers



D250LS 2-Channel Digital Amplifier

Auto-sensing enables localized speaker override for a connected peripheral, such as a TV or PC. Rated 50W/channel RMS at 8 ohms or 75W/channel RMS at 4 ohms. The bridgeable power setting combines channel power for 125W into a single 8-ohm load, 1U 1/2 rack chassis has three mounting options (included).

Dimensions:
8.5" W x 10.5" D x 1.75" H
(215.9 x 266.7 x 44.5 mm)

Shipping Weight:
10 lbs (4.5 kg)

2800-533280 D250LS
2800-533297 D250LS-EU/UK



R290DS 2-Channel Dual Source Amplifier

90W amplifier with auto-source switching. Primary and secondary audio inputs, loop output, selectable speaker level input, and 12V trigger input and output. Rated at 90W/channel into 8 ohms, 110W into 4 ohms, and bridgeable to 250W of power into a single 8 ohm load. Rack ears included.

Dimensions:
17" W x 14" D x 4.125" H
(430 x 355 x 105 mm)

Shipping Weight:
24.30 lbs (11.02 kg)

2800-530463 R290DS
2800-532719 R290DS-EU/UK



System Amplifiers with Front Panel Controls



P125 Two-Channel, 125W, Dual Source Amplifier

- High-current, high-power output
- Auto-switching dual source inputs
- A/B speaker pair selection from front panel
- 80W/ch @8ohm, 125W/ch @4ohm
- Bridgeable: 250W mono @8ohm
- Advanced thermal and short circuit protection
- Front panel volume and balance controls
- Auto turn-on via signal sensing or 12V trigger
- 12V trigger output



Dimensions:
16,5" W x 13,75" D x 3,5" H
(41,9 x 20,3 x 6,4 cm)

Shipping Weight:
31,4 lbs (14,24 kg)

2800-536274 P125

Not available to countries requiring CE certification.



P75 Two-Channel, 75W, Dual Source Amplifier

- High-current, high-power output
- Auto-switching dual source inputs
- A/B speaker pair selection from front panel
- Rear panel unswitched AC outlet
- 60W/ch @8ohm, 75W/ch @4ohm
- Bridgeable: 160W mono @8ohm
- Advanced thermal and short circuit protection
- Front panel volume and balance controls



Dimensions:
16,5" W x 8" D x 2,5" H
(41,9 x 20,3 x 6,4 cm)

Shipping Weight:
11 lbs (5,22 kg)

2800-536267 P75

Not available to countries requiring CE certification. 110V Only.

TV Amplifiers



TVA2.1 Digital Two-Channel TV Amplifier with IR learning and Sub Out

Designed expressly for integrating with flat panel televisions, the TVA2.1 delivers smooth, robust sound for an enhanced viewing experience. On-board IR learning allows its volume to be seamlessly controlled by the TV or cable box's remote control.

- 35W/ch for enhanced TV audio
- Easily mounts behind TVs or in structured wiring cans
- 24-bit/96kHz S/PDIF; optical and analog line-level inputs
- Includes SLM-1 Slim Surface Mount IR Receiver
- IR learning for use with virtually any remote control
- Integrated Subwoofer output



Dimensions:
9,875" W x 1,2" D x 5,75" H
(25 x 3 x 14,6 cm)

Shipping Weight:
1,8 lbs (0,8 kg)

2800-536304 TVA2.1

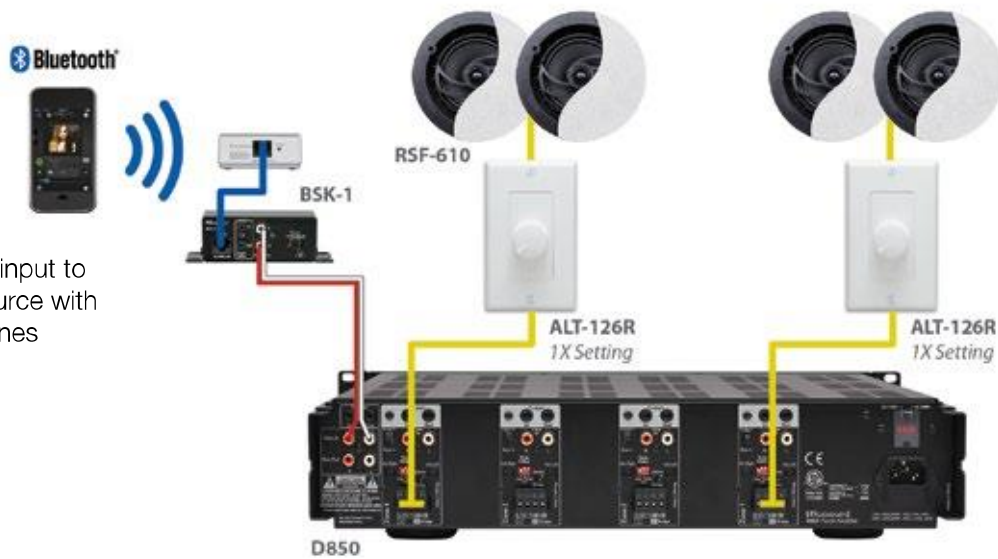


Amplifier Wiring Diagrams

Zone-specific controller expansion



Using Bus input to share a source with multiple zones



NOTE: Special wiring required when using Volume Controls with Impedance Matching. Log in to the Russound Tech Portal at russound.com for Tech Tips.

How to wire an auto-sensing amp to share TV speakers with a multi-zone system

