

232-Amp+ Mixer Amplifier 232-Amp+W Mixer Amplifier



The Contemporary Research **232-Amp+** is a compact, programmable mixer/amplifier aimed at integration with flat-panel displays and video projectors. The versatile amp features a stereo line-level display/projector audio input and two mono aux inputs, and outputs 32/40W RMS stereo sound. The aux inputs mix levels with the stereo input, and can be set to mute or lower other inputs when active, ideal for wireless mics and paging applications. The Class D amp is 90% efficient, operates with very little heat, and draws almost no power when quiet. The unit is also available as the 232-Amp+W, with integrated flanges for surface mounting (shown above, right).

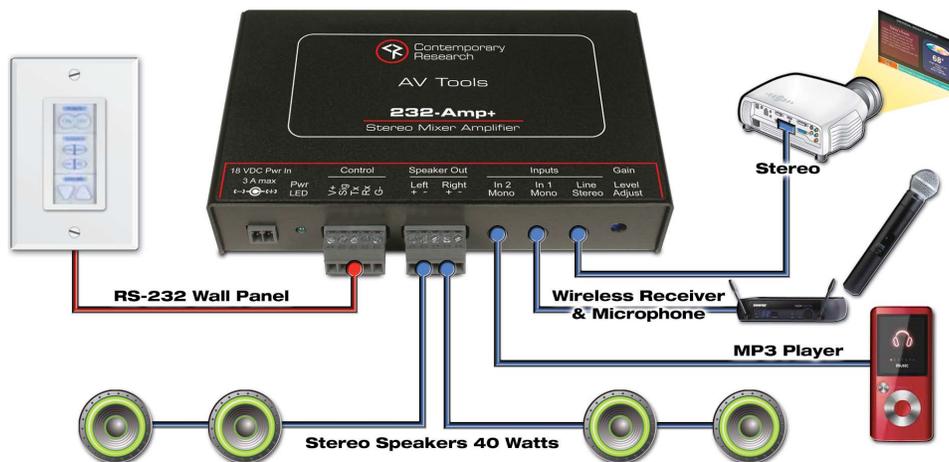
When combined with a CR tuner and pole mount, the 232-Amp+ serves as an integrated AV tuning/audio solution for video projector installations. The optional SMA bracket mounts the 232-Amp+ to the top of CR tuners, and a single RS-232 port can control a 232-series tuner and amp.

Full RS-232 control and status is available, allowing integration with custom control systems. In addition to setting master gain and input levels, the commands can also set max and minimum gain, and aux input threshold and ducking levels. Installers can adjust performance manually in the field using onboard switches and level potentiometer.

Features

- Mixes one stereo and two mono line-level inputs, mono inputs can operate as ducking inputs, muting or lowering other inputs when active
- Features programmable input levels, mix levels, auto-ducking operation, output gain with maximum and minimum level
- Outputs stereo audio 32W RMS at 8 ohms, 40W at 4 ohms
- Integrates with AMX, Crestron, and other control systems, intelligent commands enable use with smart wall control panels
- UL 2043 plenum rated
- Daisy-chains RS-232 with a 232-series tuner (Amp is Unit 1)
- Includes DIP switches and gain control for field setup of inputs and operation
- Attaches to top of CR 232- and IC-series tuners with SMA bracket, alongside tuners in RK-1 rack mounts, or in an RK3 rack kit
- Includes 3A 18VDC power supply
- Meets RoHS safety and California energy standards

232-Amp+ Mixer Amplifier 232-Amp+W Mixer Amplifier



- Physical**
- RoHS compliant and energy-efficiency meets new California standards
 UL 2043 plenum rated, 8 oz [226g]
 - 232-AMP+ 5.5" [140mm] W x 1.1" [28mm] H x 3.5" [86mm] D
 Rack-mount up to three units in RK3 rack kit
 Mount alongside CR tuner in RK-1 Rack Kit Optional SMA brackets for surface mounting
 - 232-AMP+W 232-AMP+W: 7.7" [196mm] W x 1.1" [28mm] H x 3.5" [86mm] D
 Integrated flanges for surface mounting
- Audio**
- Amplifier Class D amplifier, provides efficient amplification with little heat
 - Gain Potentiometer, adjusts volume in normal mode, sets other levels in program mode
 DIP switches on bottom of 232-AMP+ interact with Gain for field setup
 - Inputs Input 1: Stereo 1/8" jack, unbalanced, 7.5K ohms impedance, 1.4 V RMS max
 Programmable input level
 Inputs 2 and 3: Two Mono 1/8" jack, unbalanced, 7.5K ohms, 1.4 V RMS max
 Programmable for input level and ducking gating, timing, and mute levels
 Master volume command affects Input 1 only
 - Output 5-pin captive-screw terminal for stereo speaker installation, 8 or 4 ohm
 18VDC: 32W RMS (16W per channel) @ 8 ohms, 40W (20W per channel) @ 4 ohms
 12VDC: 16W RMS (8W per channel) @ 8 ohms 30W RMS (15W per channel) @ 4 ohms
 Added gain 20 dB (default), programmable to 26, 32, or 36 dB, THD + Noise: 0.25% typical
 Response: +/-1 dB, 20 Hz to 20 kHz, 1 watt output
 Crosstalk: >65 dB @ 1 kHz, >58 dB @ 20 kHz
 Thermal and short-circuit protected, auto-recovery
- Control**
- 5-pin captive-screw terminal
 RS-232: GND, TX and RX
 Signal: (Sig) Future IR input
 Power (V+): 18/12 VDC output to tuner or accessory
- Power**
- Power LED (Green)
 2-pin captive-screw terminal
 3 A maximum @ 18 VDC, 11.5 to 19 VDC, 18VDC typical
- Includes**
- Switching power supply, 3A 18 VDC
- Options**
- SMA Surface Mount for flat or tuner mounting
 RK-3 Rack Mount Kit for mounting one unit across in 19" rack, 1 RU, back edge pre-drilled

CR products feature a full two-year warranty.