

PA Mixer

FEATURES

- 8-Channel; fully adjustable
- **Phantom Power (P48)** for condenser microphones
- Echo Effects controls: Delay, Repeat
- Bluetooth Enabled to connect to smart phone
- Integrated FM Radio with auto-scan feature
- USB interface for recording and playing digital music file
- Channels 1 to 4 Mono Microphone Plugs
- Channels 5 to 8 Stereo Audio Inputs
- Left & Right Master control faders
- Gain Control for each channel
- 7 Band equalizer to Main Out
- Headphone Jack with independent volume control
- Effects Send to audio processor
- Aux Return from audio processor
- Mute Switches allow each channel to be muted
- Audio Balance on each channel, perfect for a theatrical effect when using instruments
- Low Cut switch restricts lower frequencies from the selected channels
- Trim Control to set the appropriate "gain" to each channel

**Bluetooth
USB Port**

TECH SPECS

- MICROPHONE INPUTS
 - Type: XLR, electronically balanced, discrete input circuit
 - MIC E.I.N. (20 Hz ~ 20 kHz)
 - @ 0 Ω source resistance: -134 dB / 135.7 dB A-weighted
 - @ 50 Ω source resistance: -131 dB / 133.3 dB A-weighted
 - @ 150 Ω source resistance: -129 dB / 130.5 dB A-weighted
 - Frequency Response: <10 Hz ~ 150 kHz (-1 dB), <10 Hz ~ 200 kHz (-3 dB)
 - Gain Range: +10 to +60 dB
 - Max. Input Level: +12 dBu @ +10 dB Gain
 - Impedance: approx. 2.6 k Ω balanced
 - Signal-to-noise Ratio: 110 dB / 112 dB A-weighted (0 dBu In @ +22 dB gain)
 - Distortion (THD+N): 0.005% / 0.004% A-weighted
 - LINE INPUT
 - Type: 1/4" TRS connector, electronically balanced
 - Impedance: approx. 20 k Ω balanced, 10 k Ω unbalanced
 - Gain Range: -10 to +40 dB
 - Max. Input Level: 30 dBu
- FADE-OUT ATTENUATION¹ (CROSSTALK ATTENUATION)
 - Main Fader Closed: 90 dB
 - Channel Muted: 89 dB
 - Channel Fader Closed: 89 dB
- FREQUENCY RESPONSE
 - MICROPHONE INPUT TO MAIN OUT
 - <10 Hz ~ 90 kHz: +0 dB / -1 dB
 - <10 Hz ~ 160 kHz: +0 dB / -3 dB
 - STEREO INPUTS
 - Type: 1/4" TRS connector, electronically balanced
 - Impedance: approx. 20 k Ω balanced
 - Max. Input Level: +22 dBu
 - EQ MONO CHANNELS
 - Low: 80 Hz / ± 15 dB
 - Mid: 100 Hz ~ 8 kHz / ± 15 dB
 - High: 12 kHz / ± 15 dB
 - EQ STEREO CHANNELS
 - Low: 80 Hz / ± 15 dB

- Low Mid: 500 Hz / ± 15 dB
 - High Mid: 3 kHz / ± 15 dB
 - High: 12 kHz / ± 15 dB
- AUX SENDS
 - Type: 1/4" TS connector, unbalanced
 - Impedance: approx. 120 Ω
 - Max. Input Level: +22 dBu
- STEREO AUX RETURNS
 - Type: 1/4" TRS connector, electronically balanced
 - Impedance: approx. 20 k Ω bal. / 10 k Ω unbal.
 - Max. Input Level: +22 dBu
- MAIN OUTPUTS
 - Type: XLR, electronically balanced and 1/4" TRS balanced
 - Impedance: approx. 240 Ω symm. / 120 Ω unbalanced
 - Max. Output Level: +28 dBu, +22 dBu
- CONTROL ROOM OUTPUTS
 - Type: 1/4" TS connector, unbalanced
 - Impedance: approx. 120 Ω
 - Max. Input Level: +22 dBu
- HEADPHONES OUTPUTS
 - Type: 1/4" TS connector, unbalanced
 - Impedance: +19 dBu / 150 Ω (+25 dBm)
- DSP
 - Converter: 24-bit Sigma-Delta, 64/128-times oversampling
 - Sampling Rate: 40 kHz
- MAIN MIX SYSTEM DATA²
 - NOISE
 - Main Mix @ -00, Channel Fader @ -00: -101 dB, -100 dB
 - Main Mix @ 0 dB, Channel Fader @ -00: -93 dB, -96 dB, -87 dB
 - Main Mix @ 0 dB, Channel Fader @ 0 dB: -81 dB, -83 dB, -80 dB
 - POWER SUPPLY
 - Main Voltage: 110V~240V, 50/60 Hz
 - Power Consumption: 50W
 - Fuse: T 1.6 A H 250 V
 - Main Connection: Standard IEC receptacle

PA Speaker

Tech Specs

- Powered: Yes
- Power Configuration: Bi-amped
- LF Driver Size: 1 x 15"
- HF Driver Size: 1 x 2414H-1 compression driver
- LF Driver Power Amp: 700W (Peak), 350W (Continuous)
- HF Driver Power Amp: 300W (Peak), 150W (Continuous)
- Total Power: 1000W (Peak), 500W (Continuous)
- Inputs: 2 x XLR-1/4" combo
- Outputs: 1 x XLR (thru)
- Frequency Range: 39Hz-20kHz (± 10 dB)
- Crossover Frequency: 1.8kHz
- Maximum Peak SPL: 127dB SPL
- Horizontal Coverage Angle: 90 Degrees
- Vertical Coverage Angle: 60 Degrees
- Enclosure Material: Polypropylene
- Mounting Options: Pole Mount with 1.41" socket, Floor Wedge, 3 x M10 Fly Points
- Height: 27.8"
- Width: 17.3"
- Depth: 14.4"
- Weight: 39 lbs.

12" 2 Way Powered Speakers:

- 550W continuous, 1100W peak Class D power
- 12-inch (304.8 mm) LF driver, 2.5-inch (63.5mm) high-temperature voice coil
- 1-inch (25.4 mm) neodymium HF driver with precision waveguide
- Bi-amplified design with precision active crossover and EQ
- Integrated 2-channel mixer with dual XLR 1/4-inch combo mic/line inputs and independent level controls
- Custom engineered high-efficiency class D amplifiers with passive cooling design – No fan means the speaker runs cleaner, quieter and has greater long-term reliability
- Ground-Lift switch
- Contour switch for increased EQ control
- Electronic clip, thermal and transducer overdrive protection
- Compact, lightweight, trapezoidal cabinet design for easy transport and installation
- Angled rear panel for wedge monitor applications
- Stand and pole-mountable with integral M10 suspension points
- XLR Link output
- Designed and tuned in the USA

8-Channel Mixing Console:

- 8-Channel Mixing Console
- Max. 16 Mic / 20 Line Inputs (12 mono + 4 stereo)
- 4 GROUP Buses + 1 Stereo Bus
- 4 AUX (incl. FX)
- "D-PRE" mic preamps with an inverted Darlington circuit
- 1-Knob compressors
- High-grade effects: SPX with 24 programs
- 24-bit/192kHz 2in/2out USB Audio functions
- Works with the iPad (2 or later) through the Apple iPad Camera Connection Kit / Lightning to USB Camera Adapter
- Includes Cubase AI DAW software download version
- PAD switch on mono inputs
- +48V phantom power
- XLR balanced outputs
- Internal universal power supply for world-wide use
- Rack Mount Kit Included
- Metal chassis

Pure Resonance Ultra-Clear Vocal Microphone with On/Off Switch:

- Super heavy-duty housing
- Built-in wind and breath "pop" noise filter
- Ultra dependable quiet switch
- Steel mesh grille
- SwitchCraft connector
- Frequency response tailored for vocals
- Uniform cardioid (unidirectional) dynamic pickup pattern isolates the main sound source and minimizes background noise
- Supplied with break-resistant stand adapter
- Frequency response: 50 to 16,000 Hz
- For outdoor and indoor events

Optional Add-Ons:

Dual Channel Combo Wireless System:

- Easy set up and operation
- One-touch Quick scan frequency selection quickly locates the best open frequency
- Legendary Shure audio and durable construction

Microphone with Miniature Condenser Capsule:

- Miniature condenser microphone for nearly invisible use
- Outstanding audio quality for presentation, fitness and other vocal applications
- 3mm mic capsule
- Omnidirectional pickup pattern
- Easily adjusts to fit left or right ear, retaining band holds mic in place
- Detachable cable
- Includes cable adapters for compatibility with most popular wireless transmitters
- Windscreens, clothing cable clip and carry case also included