

# Alto 800W PA System Package: Specifications

## Alto RMX1508 1500W Powered DSP Cabinet Mixer

### Mono Input Channels:

- **Microphone input:** Electronically balanced, discrete input configuration
- **Frequency response:** 10Hz to 55kHz, +/-3dB
- **Distortion:** (THD & N) 0.006% at +4dBu, 1kHz
- **Gain:** 50dB (MIC)
- **SNR:** (Signal to Noise Ratio) >90dB
- **Line input:** Electronically balanced
- **Frequency response:** 10Hz to 55kHz, +/-3dB
- **Distortion:** (THD & N) 0.04% at +4dBu, 1kHz
- **Gain:** 30dB

### Stereo Input Channels:

- **Line input:** Unbalanced
- **Frequency response:** 10Hz to 55kHz, +/-3dB
- **Distortion:** (THD & N) 0.006% at +4dBu, 1kHz

### Impedances:

- **Microphone input:** 1.4kOhm
- **Channel Insert return:** 2.5kOhm
- **All other inputs:** 10kOhm or greater
- **Tape out:** 1kOhm
- **All other output:** 120Ohm

### Equalisation:

- **Hi shelving:** +/-15dB @12kHz
- **Mid bell:** +/-15dB @2.5kHz
- **Low shelving:** +/-15dB @ 80Hz

### DSP Section:

- **A/D and D/A converters:** 24-bit
- **DSP resolution:** 24-bit
- **Type of effects:** Hall, Room, Vocal & Plate Reverb, Mono & Stereo DELAY (max delay time 650ms), Chorus, Flanger & Reverb Modulations, Reverb+Delay, Reverb+Chorus, Reverb+Flanger combinations
- **Presets:** 256
- **Controls:** 16-position PRESET Selector; 16-position VARIATION selector, CLIP LED; MUTE SWITCH with LED indicator

### Main Mix Section:

- **Noise:** (Bus Noise) Fader 0 dB, channels muted: -85dB (ref.: +4dBu), Fader: 0dB, all input channels assigned and set to UNITY gain: -71dB (ref.: +4dBu)
- **Max output:** +27dBu balanced, +22dBu unbalanced, 1/4" jacks
- **AUX Sends max out:** +22dBu

### Output Power:

- **Stereo Mode:** 680W(RMS) @ 4ohm, 770W(EIAJ) @ 4ohm, 429W(RMS) @ 8ohm, 399W(EIAJ) @ 8ohm
- **Bridge Mode:** 1553W @ 8ohm

### Power Supply:

- **Main Voltage:** 100-120VAC ~ 60Hz, 220-240VAC ~ 50Hz
- **Fuse:** 100~120V: T10A 250V, 220~240V:T6.3A 250V

### Other Specs:

- **Dimensions (WxLxH):** 550mm x 220mm x 310mm

## Alto Tourmax SX112 Speaker

### Specifications:

- **Continuous Power:** 300W
- **Program Power:** 600W
- **Peak Power:** 1200W
- **Max SPL at 1m:** 122 dB Program / 124.5 dB Peak
- **Frequency Response:** (-10dB) 55Hz-20kHz
- **Impedance:** 8 Ohms Nominal
- **Crossover Frequency:** 2kHz /12 dB/Oct
- **Protection:** Electronic Dynamic Protection
- **Low Frequency Driver:** 15" Woofer / 2.5" Voice coil
- **High Frequency Driver:** 1" Neodymium Driver / 1" Voice Coil
- **Coverage (HxV):** 90° H x 60° V Elliptical Wave Guide
- **Connectors:** 2 x SPK4 @Power Input / Link
- **Cabinet:** Trapezoidal Shape, Composite Wood, Metal Handle, Black Paint finishing
- **Dimensions (HxWxD):** 750mm x 450mm x 420mm (29.53" x 17.72" x 16.54")