

Dual Channel Mixer Amplifier DTA Series DTA -2150 & DTA2300

The DTA Series by SOLVISION developed line of power amplifiers tailored specifically for commercial background music applications. Designed with fanless, noiseless digital amplification, this series eliminates mechanical noise, making it ideal for environments where maintaining a quiet atmosphere is essential.

Engineered with an advanced built-in DSP processing system, the DTA Series ensures consistent, balanced audio performance at any volume level. These amplifiers are optimized and deliver enhanced sound quality when used together.

Supporting both low-impedance (4Ω, 8Ω) and high-impedance (70V/100V constant voltage) outputs, the DTA Series offers exceptional flexibility for a wide range of installations. Its compact and efficient design makes it the perfect audio solution for retail stores, restaurants, bars, conference centres, educational institutions, exhibition halls, malls, hotels, and other spaces that demand premium sound without ambient noise.



Features

- Silent Fanless Design
- The Entire series features a fanless architecture—completely silent with no mechanical noise, ideal for noise-sensitive environments.
- Flexible Microphone Input
- 2-channel microphone input supports both MIC and LINE levels
- Mic 1 priority function attenuates other audio inputs (automatic mute with adjustable attenuation)
- MIC 2 combo port (XLR + TRS) with +15V phantom power for condenser microphones
- Precise Audio Control
- Independent tone control knobs (treble, mid, bass, gain) for each microphone input
- Stereo/Mono switching for line input adaptability
- Rich EQ control on both input and output levels
- Local & Wireless Playback
- USB/Bluetooth input for local music playback
- Supports music recording and acquisition
- Customizable output routing for local playback with treble & bass EQ
- Built-In Chime & Alarm
- Preloaded chime and siren functions with external alarm support
- Ideal for paging, emergency announcements, or scheduled alerts
- Comprehensive Input/Output Interface
- 2 x AUX inputs, 1 x AUX output
- 2 x amplifier output channels, each with individual volume control
- AUX out for feeding audio to external amplifiers or zones
- Visual Feedback & Display
- 192×64 dot matrix LCD screen with detailed operational feedback
- LED indicators for power, signal, clip, and protection status
- Installation & Protection Features
- Selectable stereo/mono modes
- Switchable output modes for 8Ω/4Ω fixed impedance and 70V/100V constant voltage
- Built-in Class D power amplifier with full protection (overheat, over-voltage, over-current, short circuit)
- Short-circuit trigger input and 24V auxiliary power output
- Local firmware upgrade interface included

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Specifications

Model	DTA-2150	DTA-2300
Rated power of constant voltage	150Wx2@100V/70V/8Ω/4Ω	300Wx2@100V/70V/8Ω/4Ω
Mic Input	MIC1: Gain (0dB—40dB), Balanced or Unbalanced, 1/4" TRS connector MIC2: Gain (0dB—40dB), Balanced or Unbalanced, with +15V phantom power, Combo connector supporting XLR or 1/4" TRS input	
AUX input	Two Aux input, Unbalanced, RCA connector, optional Mono or Stereo output mode	
Local audio source	Supporting USB or BT audio sources and REC recording function	
Line output	0dB, 560Ω, unbalanced, stereo RCA interface	
Amplifier output	High impedance: 100V, 70V; low impedance: 8Ω, 4Ω;	
Minimum Operating Impedance	4Ω output: 4Ω 70V output: 32Ω 8Ω output: 8Ω 100V output: 66Ω	4Ω output: 4Ω 70V output: 16Ω 8Ω output: 8Ω 100V output: 32Ω
Protection circuit	AC fuse, the whole machine has overheat, over-voltage, over-current, short circuit, DC protection.	
Total output equalization control	Treble: +/-15db @ 5KHz-20KHz ,Bass: +/-15db @ 20Hz-500Hz	
(Rated input voltage)	Line input: 0.775Vrms	
Input Sensitivity	Mic input: 10mVrms Line input: 0.316Vrms	
Frequency Response @ 300W	70V/100V output: 70Hz-17KHz, +/-3dB 4Ω/8Ω output: 20Hz-20KHz, +/-2dB	
T. H. D	100V/70V output: <1% 4Ω/8Ω output: <0.5%	
SNR (A-weighted)	100V output: 90db(A)	
(1KHz@300W)	4/8Ω output: 95db(A)	
Control input and output	Short-circuit trigger input, +24V power trigger output	
Update port	RJ45 update interface	
Power supply	100~240VAC, 50/60Hz	
Power consumption (at rated output)	360W	660W

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