

Dual Channel Amplifier DTA Series DTA -2300

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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Dual Channel Amplifier DTA Series

DTA -2300

Specifications

Model	DTA-2300
Rated power of constant voltage	300W*2@100V、 70V
Rated power of fixed impedance	150W*2@8Ω ,300W*2@4Ω
Mic input	MIC1: gain adjustable (0dB-40dB), balanced or unbalanced, 6.3mm TRS
	MIC2: gain adjustable (0dB-40dB), balanced or unbalanced, with +15V phantom power, XLR or 6.3mm TRS
AUX input	Two unbalanced, stereo RCA interface (optional stereo input or mono input)
Local audio source	Support USB or Bluetooth music playback, and has a recording capture function
Line output	0dB, 560Ω, unbalanced, stereo RCA interface
Amplifier output	High impedance: 100V, 70V; low impedance: 8Ω, 4Ω;
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
Frequency Response @ 300W	70V/100V output: 70Hz-17KHz, +/-3dB ,4/8Ω output: 20Hz-20KHz, +/-2dB
SNR (A-weighted)	100V output: 90db(A)
(1KHz@300W)	4/8Ω output: 95db(A)
THD	100V output: < 5% ,4/8Ω output: < 1%
Phantom power	+15VDC
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)	660W

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