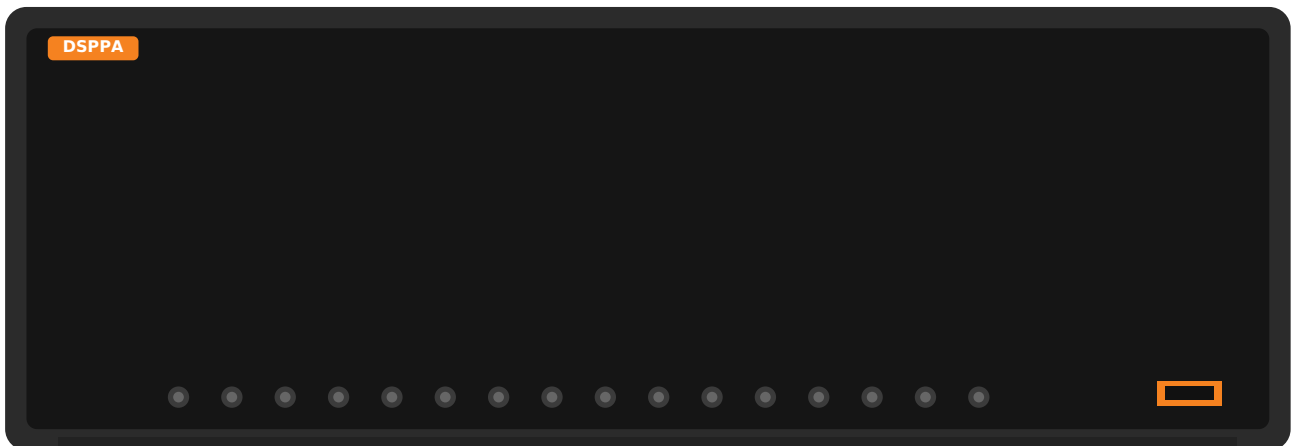


DSPPA DMA500U

500W Digital Mixer Amplifier



Output Power	Speaker Output	Audio Sources
500W	100V / 4-16Ω	USB / FM / Bluetooth

Professional public address mixer amplifier prepared in Connect Gates branded datasheet format.

Overview

- The DSPPA DMA500U is a 500W digital mixer amplifier designed for public address, paging, and background music systems.
- It integrates USB flash disk, FM, and Bluetooth functions in one amplifier for practical daily audio operation.
- The amplifier supports 100V speaker line output and 4-16Ω speaker output, making it suitable for distributed PA speaker systems and local speaker connections.
- It includes 3 MIC inputs, 2 AUX inputs, 1 AUX output, and 1 EMC input for flexible connection with microphones and external audio sources.

■ Key Features

- 500W digital mixer amplifier for public address and background music systems
- Built-in Bluetooth, FM, and USB playback functions
- 3 MIC inputs, 1 EMC input, 2 AUX inputs, and 1 AUX output
- Supports 100V constant-voltage output and 4-16Ω speaker output
- Infrared remote control support for daily operation
- Priority function: MUTE > EMC = Alarm = Chime > MIC1 > Others
- Master volume, independent MIC and AUX volume, plus Bass and Treble controls
- SIREN short-circuit trigger and MUTE short-circuit trigger functions
- EMC input for external alarm signal integration
- Power-off memory function for convenient use after restart

■ Product Highlights

Rated Power	500W
Built-in Player	USB / FM / Bluetooth
Priority Control	MUTE > EMC = Alarm = Chime > MIC1 > Others
Inputs	3 MIC / 2 AUX / 1 EMC
Outputs	100V / 4-16Ω / 1 AUX OUT
Controls	Master / MIC / AUX / Bass / Treble

Technical Specifications

Specification	Details
Brand	DSPPA
Model	DMA500U
Product Type	Digital Mixer Amplifier
Rated Output Power	500W
Power Supply	AC110-AC115V or AC220-230V, 50/60Hz
Speaker Output	100V constant-voltage output / 4-16Ω constant-resistance output
Built-in Sources	USB / FM / Bluetooth
MIC Inputs	3 MIC inputs
AUX Inputs	2 AUX inputs
AUX Output	1 AUX output
EMC Input	1 EMC input
MIC1 Input Sensitivity	10mV ±1mV
MIC2 Input Sensitivity	10mV ±1mV
AUX1 Input Sensitivity	350mV ±50mV
AUX2 Input Sensitivity	350mV ±50mV
EMC Input Sensitivity	350mV ±50mV
MIC Frequency Response	120Hz - 12kHz ±3dB
AUX Frequency Response	80Hz - 15kHz ±3dB
Distortion	<1%
Treble Control	10dB ±2
Bass Control	10dB ±2
Working Temperature	-10°C to +50°C
Relative Humidity	20% - 80%
Machine Dimensions	430 × 330 × 88 mm
Package Dimensions	500 × 500 × 165 mm
Net Weight	6.3 kg
Gross Weight	7.8 kg

■ Applications

- Public address and paging systems
- Background music systems
- Schools and training centers
- Mosques and prayer rooms
- Retail shops and supermarkets
- Restaurants, cafes, and small halls
- Office buildings and reception areas
- Clinics and healthcare facilities
- Commercial facilities requiring local audio control

■ Connect Gates Recommendation

- Recommended for projects that need a powerful 500W digital mixer amplifier with built-in audio sources and practical PA control.
- Suitable for small and medium public address systems, shops, schools, offices, mosques, halls, and commercial background music installations.
- A strong choice when 500W output, 100V speaker line, Bluetooth/FM/USB, multiple microphone inputs, and priority paging are required.

■ Source Note

This datasheet is prepared by Connect Gates based on the official DSPPA DMA500U product page specifications and product information.

■ Quotation Version

Key Features:

DSPPA DMA500U 500W digital mixer amplifier
Built-in USB, FM and Bluetooth functions
3 MIC inputs, 2 AUX inputs, 1 AUX output and 1 EMC input
100V constant-voltage and 4-16Ω speaker output
Priority function for MUTE, EMC, Alarm, Chime and MIC1
Master volume, MIC/AUX volume, Bass and Treble controls
SIREN and MUTE short-circuit trigger functions
Infrared remote control supported
Power-off memory function

Technical Specifications:

Brand: DSPPA
Model: DMA500U
Type: Digital Mixer Amplifier
Rated Output Power: 500W
Speaker Output: 100V / 4-16Ω
Power Supply: AC110-AC115V or AC220-230V, 50/60Hz
MIC Input Sensitivity: 10mV ±1mV
AUX Input Sensitivity: 350mV ±50mV
EMC Input Sensitivity: 350mV ±50mV
MIC Frequency Response: 120Hz - 12kHz ±3dB
AUX Frequency Response: 80Hz - 15kHz ±3dB
Distortion: <1%
Bass / Treble: 10dB ±2
Dimensions: 430 × 330 × 88 mm
Net Weight: 6.3kg

DSPPA DMA500U

500W Digital Mixer Amplifier

■ Prepared For

Connect Gates for Integrated Solutions

Low Current Systems | Public Address | CCTV | Access Control | Network Solutions

■ Document Use

- Product listing and quotation support
- Customer technical submission
- Public address system project documentation

Datasheet by Connect Gates