

MINI AMPLIFIER - ALF PA100V

PA100V 40W Power Amplifier



DESCRIPTION

PA100V Power Amplifier is a 40W Power Amplifier (Class-D) with output alternatively at 70V or 100V. It has 2 stereo inputs (1x3.5mm jack for line in, 2xRCA for L&R), 1 digital input & 1 balanced MIC. It is integrated with powerful functions, including ducking function, EQ control, MIC mixer etc, and MIC input supports 3 levels with condenser MIC, dynamic MIC & line audio input.

As for power amplifier, we have normally voltages at 70V and 100V for different countries, but PA100V is designed to integrate with both voltages to meet different requirements.

FEATURES

- Mono audio output at 40Watt.
- Switchable between 70V and 100V.
- Ducking function.
- 16 ID codes for controlling between different PA100V amplifiers.
- 3-level MIC input, supports condenser microphone, dynamic microphone and wireless microphone.
- MIC port can support balance/unbalance signal, suppress the external noise effectively.
- Two stereo audio inputs and one digital audio input, switchable by button, IR remote & RS232.
- Volume/Bass/Treble controllable by buttons, IR remote & RS232.
- Fast switching speed for good performance.
- Convection cooler, the fan is not needed.
- LED indicator, for power and working status.
- Antistatic case design to provide good protection for long-term and stable performance.

TECHNICAL SPECIFICATIONS

PA100V 40W Power Amplifier

Audio Input

Input	: 2 Stereo audio, 1 MIC, 1 Digital fiber audio
Input Connector	: 2 RCA, 1 3.5mm Jack, 1 3-pole 3.81mm captive screw connector, 1 SPF fiber connector
Input Impedance	: >10K Ω

Audio Output

Output	: 1 Mono amplifier
Input Connector	: 1 3-pole 3.81mm captive screw connector
Output Type	: Constant voltage 70V or 100V

Audio General

Frequency Response	: 120Hz ~ 20KHz
CMRR	: >70dB@20Hz ~ 20KHz
SNR	: 80dB (MAX)
Bandwidth	: 120Hz ~ 20KHz
Rated Power Output	: 40 Watt
THD + Noise	: 1%@1Khz, 0.3%@20KHz at nominal level
Voltage Gain	: 26dB

Control Function

RS232 Control	: 1 3-pole 3.81mm Captive screw connector
Front Panel Control	: Buttons
ID Code Control	: 16 ID codes for control
Optional	: IR remote & TCP/IP controlled PTNET (programmable interface)

General

Temperature	: -10 ~ +40°C
Humidity	: 10% ~ 90%
Power Supply	: DC 24V power adapter
Standby Power Consumption	: 5W
Case Dimension	: W130 x H44 x D144mm (1U High)
Product Weight	: 0.86Kg

SYSTEM DESIGN

