

PTM-1645 Sixteen Channel 8 Zone *PAC* Power Amplifier

The PTM-1645 is a sixteen-channel, high performance power amplifier designed primarily for use in multiroom installations where superior sound quality is demanded. Handcrafted in the United States to the rigorous quality and performance standards established by Audio Design Associates, the PTM-1645 matches perfectly with the Suite 8 x 8 and Suite 16 multiroom systems.

The PTM-1645 can effortlessly deliver ample power to as many as sixteen pairs of speakers simultaneously. This makes it possible for the PTM-1645 to power as many as four pairs of 8 ohm speakers per channel for a total of up to 64 speakers! The PTM-1645's enormous high current power supply and robust output circuitry provide stable 2 ohm operation.

The PTM-1645 features ADA's cutting-edge PAC (Programmable Amp Controller) circuit, which enables RS-232 and/or DC triggering of independent zones. This feature also makes it possible to have multiple amplifier channels track a specific room/zone when employing multiple speaker pairs in that area. The PAC circuit facilitates simple one touch operation to turn on a room in the multiroom system. The PTM-1645's rack mount design and detachable rear panel connectors make it easy to install into a standard 19-inch equipment rack. The PTM-1645's built in temperature control circuit helps maintain long-term reliability.

At Audio Design Associates, we have been designing and building high-performance audiophile quality components for use in custom installation applications for 25 years. We're proud to offer this exceptional power amplifier that will provide many years of reliable trouble-free operation.

Sixteen Channels of Amplification Configured into Eight Channel Pairs

36 Watts Per Channel into 8 Ohms

60 Watts Per Channel into 4 Ohms

Stable for 2 Ohm Operation

PAC Enabled - RS-232 & Low Voltage Zone Triggering

High Current Power Supply & Monolithic Output Stage

Low Noise DC Temperature Controlled Fan Cooling

Removable IEC-65 AC Cord

Rack Mountable

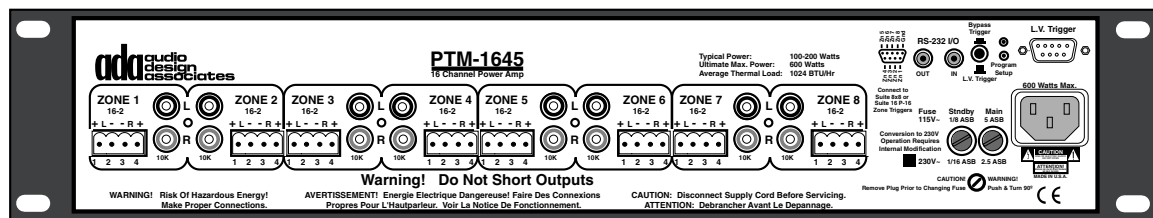
Handcrafted in the U.S.A.



ada.pac
Programmable Amp Controller

ada audio
design
associates

PTM-1645 Sixteen Channel 8 Zone *PAC* Power Amplifier



Specifications

Continuous Power Output:

36 watts 8 Ohms, 20 Hz-20 kHz

60 watts 4 Ohms, 20 Hz-20 kHz

THD: 20 Hz-20kHz, 8 Ohms: 0.05%

THD: 1 kHz, 8 Ohms: 0.005%

IM Distortion: 0.0007%

Dynamic Range: >100 dB

S/N Ratio: >100 dB

Input Impedance: 10 k Ohms

Input Sensitivity: 0.6 V

Gain: 28.7 dB

Interchannel Crosstalk: > -80 dB

Frequency Response: 20-20K +/-15 dB

Damping Factor: >500

DC Trigger: +5VDC to +12VDC, 2mA

Dimensions (H x W x D):

Inches: 3.5 x 19 x 16.5

Millimeters: 89 x 483 x 419

Net Weight: 50 pounds; 28 kilograms

Power Requirement: 600 Watts

Idle Power Requirement: 67 Watts

Thermal Dissipation (BTU's/Hr): 1000

ada·pac
Programmable Amp Controller

Features

Sixteen Channels of Amplification

Configured for Multiroom Applications

Stable for 2 Ohm Speaker Operation

Independent Triggering for Channel Pairs

PAC Circuit for RS-232 & Voltage Triggering

High Current Power Supply

600 VA Power Transformer

80,000µF Power Supply Capacitance

Monolithic Output Stage

Temp. Controlled Low Noise DC Fan Cooling

Removable IEC AC Cord

Gold-Plated RCA Input Jacks

Removable Phoenix Speaker Connectors

Speaker Relays For Muting

Two Rack Space Chassis

Rack Mountable

120 VAC (Optional 230 VAC Operation)

Three Year Limited Warranty

HANDCRAFTED WITH PRIDE IN



The United States
of America

ada audio
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FOUNDING

CEDIA
MEMBER