

Features

- Multizone power amplifier
- Extremely compact and light

Hardware

- Amplification by IcePower®
- 400W total power output
- 16 channels in 8 zones
- Each zone bridgeable
- Thermal protection
- Overload protection
- Comprehensive control options

Power

- 85~264Vac input
- Rear panel On/Off switch

Applications

- Multizone/multiroom installations
- Immersive audio
- Active loudspeakers

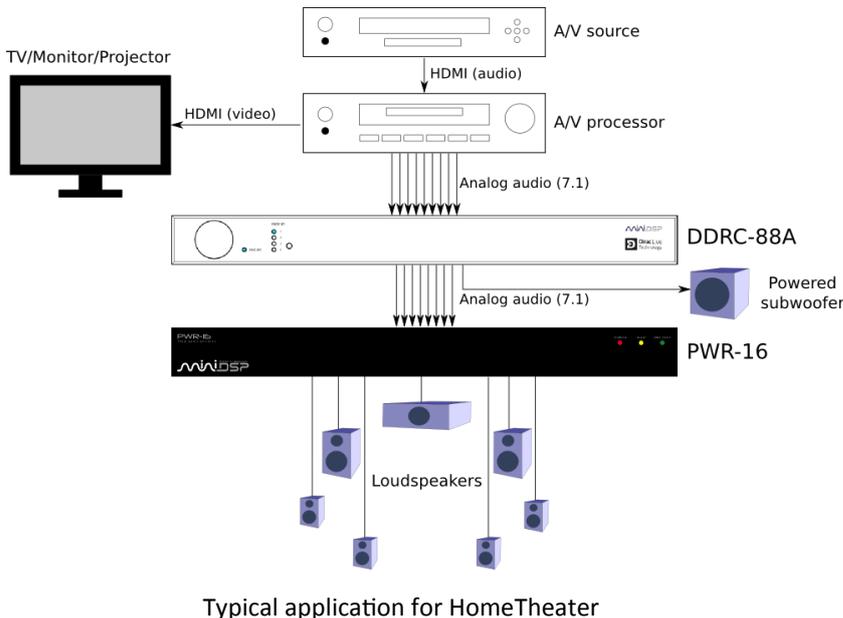
The miniDSP PWR-16 is a 400 Watt ultra-compact, highly-efficient audio power amplifier intended for multizone custom installations in modern homes, multi rooms, hotels, restaurants, bars, theatres, auditoriums, amusement parks, shopping malls etc. This amplifier is one of the lightest and most compact of its kind and excels with its impressive power-to-size ratio and its incredible power efficiency.

The PWR-16 features 16 channels of amplification by ICEpower® in eight zones. Each amplification channel can deliver peak power of 80W into a 4 ohm speaker. The two channels in a zone can be switched to BTL (bridge-tied load) mode to deliver peak power of 160W into an 8 ohm speaker. The result is an extremely flexible amplifier that can be used in many configurations.

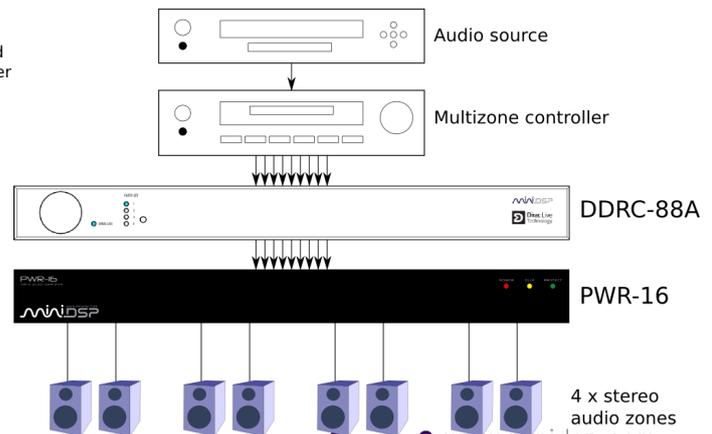
A comprehensive set of control and protection features make the amplifier extremely flexible and robust. Remote enable, signal detection, and individual disabling of zones ensure minimum power consumption.



SYSTEM DIAGRAM



Typical application for multizone Audio



HARDWARE SPECIFICATIONS

Channel count	16 single-ended channels, or 8 BTL channels, or any combination of SE and BTL
Total power output	400 Watts / (Up to 80 seconds)
Total continuous power output	80 Watts (4 ohms, SE, continuous long-term power output across all channels without thermal shutdown, Ta = 25 °C)
Per-channel peak power output, SE mode	Up to five channels driven: 80W per channel All 16 channels driven: 25W per channel (4 ohms, 0.1% THD+N, 20Hz < f < 20kHz, up to 80 seconds)
Per-channel peak power output, BTL mode	Two zones driven: 160W per zone All zones driven: 50W per zone (8 ohms, 0.1% THD+N, 20Hz < f < 20kHz, up to 80 seconds)
THD + N	0.003%, 4Ω, SE, f=100Hz, Po=1W
Dynamic range	110dBA SE, 115dBA BTL
Frequency response	±0.4 dB, 10Hz- 20kHz, all loads
Voltage gain	25.8 dB (SE), 31.8 dB (BTL)
Input impedance	47 kΩ
AC mains supply	85-264 V AC, 45-65 Hz
Fuse rating	6.3A
Dimensions (H x W x D)	44 x 424 x 314 mm (1RU height, width 482 mm with rack ears)
Weight	7.7 lbs/3.5 kg
Safety Certification	CE / FCC / C.Tick / ISE - PSE

MECHANICAL SPECIFICATIONS

