



DPA616

Sixteen-channel Class-D amplifier 16 x 60W

Highlights:

- Terminal block output connections
- 16 Channel design (8 channel bridged)
- Lightweight class-D amplifier
- Stereo & bridged mode

The DPA616 is a professional sixteen channel power amplifier which is capable of delivering a power of 60 Watt to 4 Ohm loads connected to the 16 output channels. When used in bridge mode, it can deliver a power of 120 Watt to 8 Ohm loads connected to the 8 bridged outputs. This way, the DPA616 is the perfect solution for installed multi-zone audio distribution systems with 8 or 16 zones. This amplifier is designed as a no-nonsense amplifier with only the necessary controls and connections which creates great simplicity in use and installation. The input connections are all performed with 3-pin Terminal block connectors, allowing the connection of balanced input signals. Every channel is fitted with a separate gain control potentiometer and for every two input connectors, there is a stereo / bridge & parallel switch provided whereby two channels can be bridged or linked in parallel, avoiding a cable clutter when multiple channels should be fed with the same input signal. The output connections are performed with 4-pin Terminal block connectors allowing connections for separate or bridged output channels. A built-in multipurpose protection circuit protects against DC malfunction, short circuit, overheating, overload and limits the signal when necessary. This all is housed in a double rack space, steel 19" rack mount housing.



Applications:

- Public facilities
- Bars, restaurants
- Corporate spaces

System specifications:

| | | |
|-----------------------|------------------------|---|
| Frequency | Response (± 3 dB) | 20 Hz - 20 kHz |
| Signal / Noise | | > 100 dB |
| THD+N (@ 1 kHz) | | < 0.1% |
| Technology | | Class-D |
| Inputs | Sensitivity (1W/1m) | -20 dB ~ +20 dB |
| | Connector | 3-pin Euro Terminal Block (Pitch - 3.81 mm) |
| Outputs | Connector | 4-pin Euro Terminal Block (Pitch - 5.08 mm) |
| Power | Supply | Switching mode |
| | Source | 100 ~ 240 V AC / 50 ~ 60 Hz |
| Protection | | DC Short circuit |
| | | Over heating |
| | | Over load |
| | | Signal limiting |
| Operating temperature | | 0° ~ 40° @ 95% Humidity |
| RMS Power | @ 4 Ω Stereo | 16 x 60 W |
| | @ 8 Ω Bridge | 8 x 120 W |
| | @ 8 Ω Stereo | 16 x 30 W |

Product Features:

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|--------------|----------|---|
| Dimensions | | 482 x 88 x 322 mm (W x H x D) |
| Weight | | 8.200 kg |
| Mounting | | 19" |
| Unit height | | 2 HE |
| Construction | | Steel |
| Colours | | Black |
| Accessories | Included | 16 x 3-pin Euro Terminal Block Input connectors |
| | | 8 x 4-pin Euro Terminal Block outputs connector |

Architects' and Engineers' Specifications:

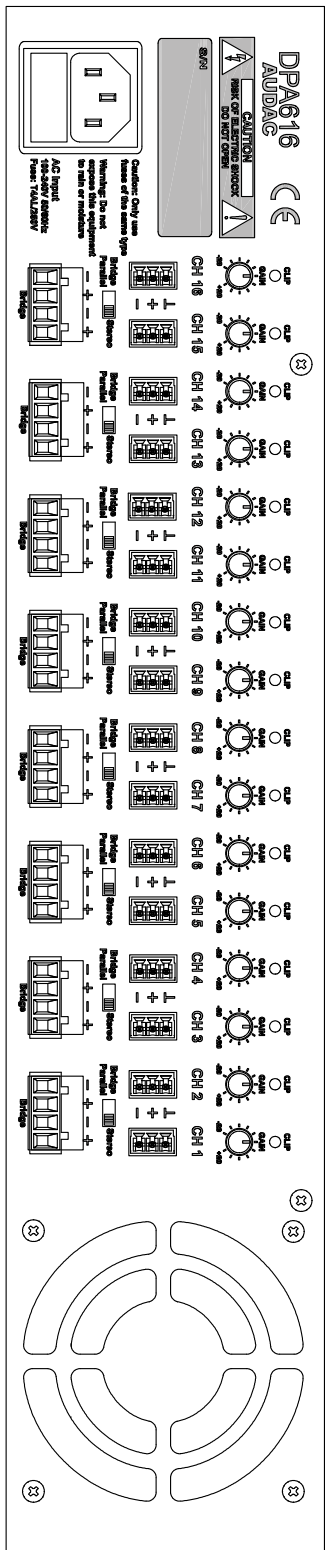
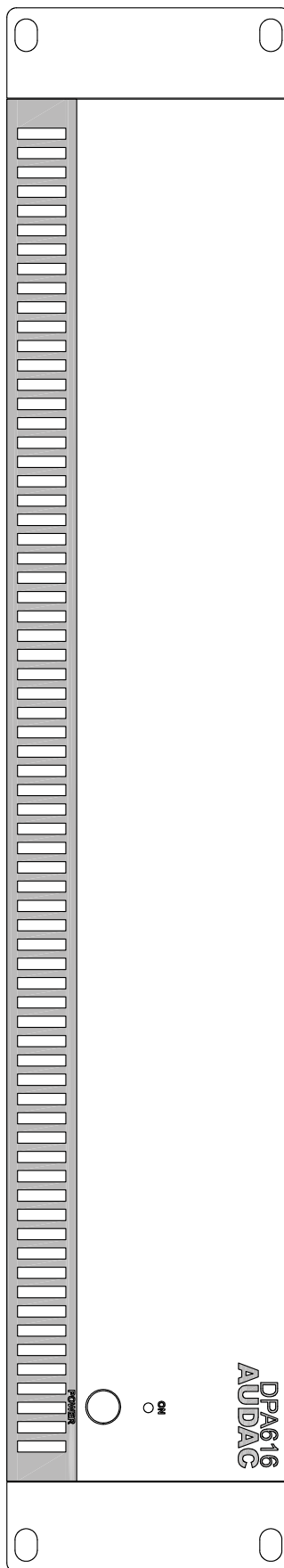
The amplifier must be a compact sixteen channel class D power amplifier, containing sixteen independent controllable amplifier channels with an output power of 16 x 60 Watt. Bridging the output channels shall allow merging of the output power to 8 x 120 Watt. The construction must be transformerless, using Class-D amplifier technology and powered by a switching power supply. Each channel shall have integrated circuitry to protect against short-circuits or mismatched loads and over-heating. The front panel shall contain an AC power switch accompanied by a blue power indicator LED.

All connections shall be made on the rear panel of the unit, where a clip LED indicates the channel operation at maximum level and a volume adjustment potentiometer is provided for each channel.

The signal input connections shall be balanced and performed using 3-pin Euro Terminal Block connectors. The output connections must be compatible with 4-pin Terminal Block Connectors.

The amplifier shall operate on a 110 ~ 240 V AC / 50 ~ 60 Hz mains network and shall be equipped with a removable power cord having a standard shuko (CEE 7/7) AC plug. The connector on the amplifier chassis shall be a fused IEC C14 type.

The amplifier chassis shall be a double rackspace steel constructed 19" housing. Depth from mounting surface to rear supports shall be 310 mm and the weight shall not exceed 8.20 Kg.



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|---------------|---|---|
| DPA616 | Product description: SIXTEEN CHANNEL CLASS-D POWER AMPLIFIER - 16x60W/8x120W | |
| | Weight: 8,2 kg | Outer dimensions: (w x h x d) 483 x 88,1 x 322 |
| | Unit height: 2 HE | |