

# musicbook:55

Class D power amplifier

- **Mains voltage:** 90–264 V, 50–60 Hz
- **Dimensions:** 280 x 220 x 65 mm (W x D x H)
- **Weight:** 3.7 kg
- **Power consumption:** 0.5 W standby mode, 1.0 W idle mode, 800 W max.

## Protection circuits

- **DC at output:** power supply switches off.
- **Excess temperature:** amplifier goes into mute until the temperature has dropped by approx. 10 °C.
- **Output current limiter:** amplifier goes into mute for ca. 0.25 seconds. Switching threshold 16 A peak. In case of continuous overdrive the amplifier will go on and off several times in a row.

## Automatic turn-on

- **Input signal switching threshold:** approx. 0.5 mV.
- **Idle mode:** power supply active, amplifier muted. Power consumption 1.0 W.
- **Standby mode:** only stand-by power supply active. Power consumption 0.5 W.
- **Active mode:** power supply and amplifier both active. Power consumption depending on volume level 20-50 W average, 800 W max. Peak power.
- **Switch-on times:** approx. 2 seconds from idle to active mode; approx. 8 seconds from standby to active mode.
- **Switch-off times:** after 20 minutes the amplifier will return to idle mode, after another 20 minutes to standby mode.

## Power Amplifiers

- **XLR inputs:** analog line level inputs with 20 kOhms input impedance.
- **RCA inputs:** analog line level inputs with 10 kOhms input impedance.
- **Speaker outputs:** safety banana lab sockets (4mm) for connecting loudspeakers with 4–8 ohms.
- **Power output:** 240 W into 4 ohms per channel (<1 min).
- **Maximum output current:** 16 A peak.
- **Gain:** 27.8 dB (24.5-times).
- **Frequency response:** 0 Hz – 45 kHz (-3 dB).
- **THD & noise:** <0, 05% typ.

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