

MM8077

7 Channel Power Amplifier



marantz®



7-channel Power Amp Packed with Proprietary Marantz Audio Technology

Designed for the ultimate music and movie surround sound experience, the MM8077 7-channel power amplifier is equipped with the same amplifier technologies that are incorporated in our reference class hi-fi amplifiers, including our unique current feedback discrete power amplifier stage design, which features a high slew rate that provides a wide bandwidth for the utmost enjoyment of today's high resolution audio formats. At the heart of the MM8077 is our high current power supply, which features a massive toroidal power transformer that provides substantial headroom for dynamic peaks along with the ability to handle lower impedance speaker loads. All output stages feature identical topology for uniform high quality sound across all channels, and the MM8077 provides the option to choose between balanced (XLR) and unbalanced (RCA) inputs for each channel, for maximum system configuration flexibility. High current, high bandwidth discrete power transistors can handle short term musical bursts with aplomb, even into difficult low impedance speaker loads. The MM8077 is rated at 150 watts per channel into 8 ohms for each of the 7 channels. For the ultimate home theater experience, you can pair the MM8077 with our MM7705 5-channel power amplifier, which lets you enjoy thrilling 11-channel surround sound with the latest multi-channel audio formats, such as DTS Neo:X. For easy control, the MM8077 features remote power on/off control compatibility with select Marantz A/V pre-amplifiers, such as our AV8801.

Marantz Audio Advantages

- 150 W/ch (8 ohms), 180 W/ch (6 ohms) RMS Power (20 Hz - 20 kHz)
- Current feedback discrete power amplifier
- High current power supply with toroidal power transformer
- Low impedance continuous drive capability
- Highest sound quality design based on pure surround philosophy
- Marantz reference-grade power supply filter capacitors and high speed, high current discrete power transistors
- Copper plated chassis

Connectivity, Flexibility & Expandability

- XLR balanced / unbalanced selection function
- A wide range of system configuration options
- Remote power on/off control

Convenience & Control

- Porthole display with blue illumination accent
- Gold plated, high grade loudspeaker terminals
- Low-power standby mode
- Auto-standby mode
- Flasher input
- DC trigger (In/Out)
- Remote control (In/Out)

because music matters

Specifications

Audio Section

Rated power output

150 W/ch, 8 ohm
(20 Hz - 20 kHz, THD 0.08 %, two channels driven)
180 W/ch, 6 ohm
(20 Hz - 20 kHz, THD 0.08 %, two channels driven)

Maximum effective output power

210 W/ch, 6 ohm (1 kHz, THD 10%, two channels driven)

Frequency response (1 W, 8 ohm)

8 Hz - 100 kHz (± 3 dB)

Damping factor

100

Input sensitivity/impedance

1.2 V / 22 kohm (UNBALANCED)
2.4 V / 30 kohm (BALANCED)

Signal-to-noise ratio (IHF-A)

105 dB

Voltage amplification level

29 dB

General

Power supply: AC 120 V, 60 Hz

Power consumption: 800 W

0.4 W (Standby mode)

Dimensions (W x H x D):

17 21/64" x 7 9/32" x 15 3/32"

440.0 x 185.0 x 383.5 mm

Weight: 39 lbs 11 oz, 18.0 kg

Marantz Audio Advantages

■ Current feedback discrete power amplifier

The Marantz current feedback discrete power amplifier topology employs high current, wide bandwidth power transistors that feature high slew rate along with low impedance drive capability, for maximum operating bandwidth and solid performance with difficult speaker loads. The MM8077 is rated at 150 watts in 8 ohms for each of the 7 channels (continuous), and can deliver 180 watts into 6 ohms.

■ High power, high current power supply with toroidal power transformer

The high power, high current power supply features a massive toroidal power transformer that can easily handle substantial short term power peaks. The high capacity power supply capacitors, 100,000 μ total, contribute to the amplifier's ability to deliver short term bursts of power when needed, which is especially helpful when driving difficult-to-drive lower impedance speakers.

Connectivity, Flexibility & Expandability

■ XLR balanced / unbalanced selection function

Choose between balanced (XLR) and unbalanced (RCA) inputs for each channel for maximum system configuration flexibility.

■ A wealth of possibilities for system upgrades

A variety of systems, including 11-channel systems, can be built by combining the MM8077 with the 5-channel MM7705.

■ Remote power on/off control

When the Marantz AV8801 or AV7701 pre-amplifier is connected to the MM8077, the remote power control feature links the power ON/OFF function of the pre-amplifier to the MM8077.

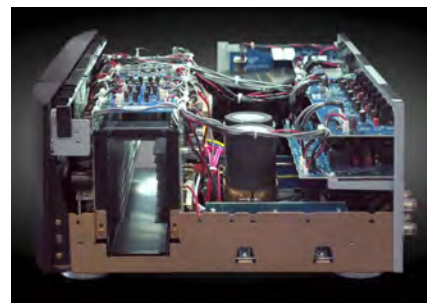
Control & Convenience

■ Low-power standby mode

For environmental and energy-saving considerations, power consumption during standby mode has been reduced to less than 0.4 W.

■ Auto-standby mode

The MM8077 automatically switches to standby mode when there has been no signal for 30 minutes. This prevents power from being wasted whenever you forget to turn the power off.



Inside view of MM8077



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Call for Assistance: 9:00AM to 8:00PM M-F E.S.T.

For frequently asked questions please visit www.marantz.com