

marantz®

# PM-14S1

Integrated amplifier



## Reference Series - Integrated Amplifier

The PM-14S1 integrated amplifier delivers superb sound quality and operational versatility, and features exclusive Marantz technologies such as our HDAM (Hyper Dynamic Amplifier Module) discrete circuitry and current feedback topology. Featuring a massive power supply with a high current toroidal power transformer wound with Oxygen Free Copper secondaries that is rated at 650 VA along with high speed high current Schottky Barrier Diodes in the rectifier circuit, the PM-14S1 is rated at 90 watts per channel into 8 ohms and 140 watts per channel into 4 ohms (both from 20Hz - 20kHz). A total of 24 HDAM units are employed throughout the amplifier, including the line level stage, phono equalizer stage and the power amplifier stages. The power amplifiers feature separated circuitry and dual massive heat sinks along with multiple discrete high current power transistors to deliver wide dynamic range and stability even with lower impedance speaker loads. The elegant remote control can also control the matching SA-14S1 Super Audio CD/CD player, and there's a power amp direct input that allows the PM-14S1 to be used as a standalone power amplifier for even more system configuration versatility.

### Marantz Audio Advantage

- Current Feedback technology provides wide range, very fast and accurate signal handling.
- Marantz proprietary HDAM SA2 and SA3 modules and discrete audio circuitry
- Full discrete power amplifier with V/I Servo (90W 8 ohms 20Hz - 20kHz, 140W 4 ohms 20Hz - 20kHz)
- Robust, high-speed power supply with blocking capacitors and large-capacity Schottky Barrier Diodes
- Constant Current Feedback (C.C.FB) MM/MC phono equalizer
- Newly designed Marantz original high quality / high-purity copper speaker terminals (SPKT-100)

### High quality sound

- Rigid mechanical construction for anti-vibration
- Rigid chassis together with double layered bottom plate, aluminum die-cast chassis feet
- Oxygen Free Copper toroidal transformer
- Low noise LCD display
- Total sound balance re-tuned with optimized components

### Useful functions

- System remote unit controls both PM-14S1 amplifier and SA-14S1 Super Audio CD/CD player
- Linear Volume Control with new volume control IC
- Floating Control Bus System (F.C.B.S) for bi-amp, multichannel configuration
- Power amp direct input
- Auto standby, low power consumption in standby mode (0.2W)

because music matters

## Specifications

### Port

#### Analog audio input

Phono (MM/MC)	1
CD	1
Line 1	1
Line 2	1
P. Direct	1
Recorder 1	1
Recorder 2	1

#### Analog audio output

Recorder 1	1
Recorder 2	1
Pre	1

#### Control

Remote control (IN/OUT)	1/1
F.C.B.S. (IN/OUT)	1/1

#### Other

Headphones	1
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### Audio section

#### Power output:

(20 Hz - 20 kHz both channels driven)  
90 W x 2 (8 Ω/ohms load)  
140 W x 2 (4 Ω/ohms load)

#### Total harmonic distortion:

(20 Hz - 20 kHz both channels driven, 8 Ω/ohms load )  
0.05%

#### Frequency response (CD, 1 W, 8 Ω/ohms load)

5 Hz - 100 kHz ± 3 dB

#### Input sensitivity/Input impedance

PHONO (MC): 270 μV / 100 Ω/ohms  
PHONO (MM): 2.7 mV / 47 kΩ/kohms  
CD, LINE: 240 mV / 20 kΩ/kohms

#### S/N (IHFA, 8 Ω/ohms load)

PHONO (MC): 75 dB (0.5 mV Input, 1 W output)  
PHONO (MM): 86 dB (5 mV input, 1 W output)  
CD, LINE: 106 dB (2 V input, Rated output)

#### Tone control

Bass (50 Hz): ±10 dB  
Treble (20 kHz): ±10 dB

### General

#### Power supply:

AC 120 V, 60 Hz

Power consumption: 220 W

Power consumption in standby mode: 0.2 W

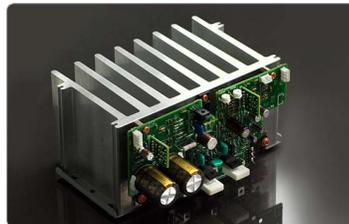
Dimensions (W x H x D)

17.3/8" x 5" x 18"

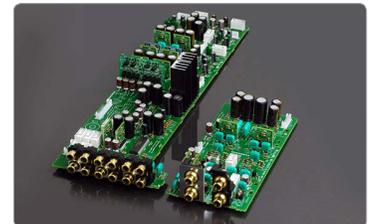
440 x 123 x 457 mm

Weight

40.8 lbs, 18.5 kg



Power amplifier circuit featuring Current Feedback and HDAM technologies



Pre-amplifier & phono equalizer circuits featuring Current Feedback and HDAM technologies



Newly designed Marantz original high quality / high-purity copper speaker terminals (SPKT-100)



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