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NR1601 "Slim-line" Home Theater Receiver

Must one always sacrifice performance for the sake of convenience? The Marantz NR1601 audio video receiver offers convincing proof otherwise. The NR1601 packs class-leading features and a potent, all-discrete 50 watt x 7 channel amplifier into an installation-friendly, slim-line chassis. Indeed, this combination of feature-rich performance and put-it-anywhere convenience is hard to find in the world of home theater; so much so that the NR1601 may well be forging its own product category!

AUDIO/VIDEO CONNECTIONS

- 7.1 Channels
- AM/FM Tuner
- 56Tuner Presets: Group A-G: each 8 channels
- 6 RCA Analog inputs (incl. Front mini jack input)
- 2 Optical, 2 Coaxial SPDIF Digital Inputs
- 4/1 HDMI ver.1.4a In/Out
 - CEC (Control)
 - ARC(Audio Return Channel)
 - HDMI In Stand By
 - Auto Lip Sync.
 - Deep Color, x.v.Color
 - Pass through in Standby mode
- 3/1 Component In / Out
- 3/1 Composite In / Out
- Assignable HDMI / Component inputs
- Front USB input for digital iPod Connection
- Front mini-jack for portable player
- Headphone Out
- Subwoofer Pre-out
- Speaker A or B Switching

ADVANCED CONNECTIONS

- iPhone/iPod Digital Connection
- Bluetooth Wireless Audio Transmission Capability
- External IR Receiver
- Marantz D-Bus(RC-5) Remote In / Out

AUDIO/VIDEO PROCESSING

- ANALOG DEVICES: SHARC 32-bit Processor
- Dolby: True HD/Digital Plus&EX/Pro Logic IIz, IIx
- Dolby: II/Virtual Speaker/Headphone
- DTS: HD Master&High Res. Audio/ES/96/24/
- DTS: Discrete&Matrix6.1/Neo:6/Express
- DTS Neural Surround
- Multi Ch Stereo
- Audyssey MultEQ Auto Calibration w/ MIC
- Audyssey Dynamic EQ / Dynamic Volume
- 9 Band EQ, -20dB - +6dB
- Independent Crossover Setting for each speaker
- Lip-sync (digital audio delay) 0-200 msec
- Volume Control Setting: Limit, Power On Vol
- Mute Level, Display type(dB or 0-99)
- Component/Composite to HDMI Trans-coding
- OSD output through HDMI

USER CONFIGURABLE FEATURES

- Input Level Adjust
- Input Assign (Component In/Digital In)
- Input Rename
- Input Skip
- On Screen Display (TEXT)
- Display Status Info.
- Software Upgradable

MARANTZ AUDIO ADVANTAGE

- All-discrete, 50w x 7 Class AB Output Stage
- High Current Linear Power Supply
- EI Core Power Transformer
- Pure Direct / Source Direct
- M-DAX (Marantz Dynamic Audio eXpander)
- Front Bi-Amp Drive Capability (Speaker C)
- Fully Discrete Amplification
- 192kHz/24-bit Audio DACS

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"Slim-line" Home Theater Receiver

AUDIO SECTION

• Power amplifier

Rated output: Front:
50 W + 50 W (8 Ω , 20 Hz – 20 kHz with 0.08 % T.H.D.)

75 W + 75 W (6 Ω , 1 kHz with 10 % T.H.D.)

Center:

50 W (8 Ω , 20 Hz – 20 kHz with 0.08 % T.H.D.)

75 W (6 Ω , 1 kHz with 10 % T.H.D.)

Surround:

50 W + 50 W (8 Ω , 20 Hz – 20 kHz with 0.08 % T.H.D.)

75 W + 75 W (6 Ω , 1 kHz with 10 % T.H.D.)

Surround Back:

50 W + 50 W (8 Ω , 20 Hz – 20 kHz with 0.08 % T.H.D.)

75 W + 75 W (6 Ω , 1 kHz with 10 % T.H.D.)

Output connectors: 6 – 8 Ω

• Analog

Input sensitivity/Input impedance: 130 mV/50 k Ω

Frequency response: 10 Hz – 100 kHz — ± 3 dB (Source Direct mode)

S/N: 98 dB (IHF-A weighted, Source Direct mode)

VIDEO SECTION

• Standard video connectors

Input/output level and impedance: 1 Vp-p, 75 Ω

Frequency response: 5 Hz – 10 MHz — +1, –3 dB

• Color component video connector

Input/output level and impedance: Y (brightness) signal
— 1 Vp-p, 75 Ω

PB / CB signal — 0.7 Vp-p, 75 Ω

PR / CR signal — 0.7 Vp-p, 75 Ω

Frequency response: 5 Hz – 60 MHz — +0, –3 dB

TUNER SECTION [FM] [AM]

(Note: μ V at 75 Ω , 0 dBf = 1×10^{-15} W)

Receiving Range: **FM** 87.5 MHz – 108.0 MHz,

AM 522 kHz – 1611 kHz

Usable Sensitivity: **FM** 1.2 μ V (12.8 dBf),

AM 18 μ V

50 dB Quieting Sensitivity: MONO 2.0 μ V (17.3 dBf)

STEREO 42 μ V (34.5 dBf)

S/N (IHF-A): MONO 70 dB

STEREO 67 dB

Total harmonic Distortion (at 1 kHz): MONO 0.3 %

STEREO 0.7 %

GENERAL

Power supply: AC 230 V, 50 Hz

Power consumption: 250 W

0.2 W (Standby)

3 W (CEC standby)

Maximum external dimensions: 440 (W) x 105 (H) x 367 (D) mm

Weight: 9.0 kg

REMOTE CONTROL UNIT (RC010SR)

Batteries: R03/AAA Type (two batteries)

For purposes of improvement, specifications and design are subject to change without notice.



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