Reference Series - Network Audio Player

The NA-11S1 is a reference-class network audio player that lets you enjoy music streaming services such as Spotify® and Pandora®, as well as music and other content from the iTunes® library on your PC or iPhone® via AirPlay®, all in high-quality sound thanks to Marantz’s acclaimed advanced digital and analog audio technologies. Coaxial and optical digital inputs support the decoding of high resolution 192 kHz/24-bit PCM signals which complement the functions of the high resolution D/A converters that together reproduce a variety of digital content with superior sound quality. The NA-11S1 is equipped with a USB Type A port (conveniently located on the front panel) for playing audio tracks from a directly connected iPhone or USB memory device, and a USB Type B port is provided that supports asynchronous transmission to ensure that signals from a PC are jitter-less. To absorb unwanted vibrations and preserve audio signal purity, the cabinet structure features a 5mm thick aluminum top cover, a copper-plated chassis, and aluminum die-cast feet on a dual-layered bottom plate. Considerable attention to detail has been devoted to the NA-11S1 in the areas of sound quality and construction to give you what you would expect in a reference-class network audio player.

Marantz Audio Advantages
- Wide-range, high-speed sound with analog audio circuits featuring exclusive Marantz HDAM®-SA2 and HDAM® modules
- Fully balanced differential audio circuitry (HDAM-SA2 as output buffer amp, HDAM as low pass filter, HDAM as I/V converter)
- Precision digital signal processing and selectable sound modes are made possible by the latest updated Marantz “DSP PEC777f3” DSP chip
- Newly-developed “Ground/Signal” isolator at the USB Type B port to reduce PC noise for the highest quality sound
- High-precision dual audio master clock generators with jitter reduction for all sampling frequencies
- Fully discrete, high-quality dedicated headphone amplifier featuring HDAM-SA2
- High current toroidal transformer with a copper-plated case used for the main power supply
- Large-capacity power supply block capacitors
- Audiophile-grade film capacitors and electrolytic capacitors
- Rigid premium chassis with 5mm thick aluminum top cover
- Rigid copper-plated chassis with dual-layered bottom plate and aluminum die-cast feet
- High-quality sound
- Native playback of DSD files via USB Type B port: DoP (DSD over PCM)
- Can be used as a D/A converter with 3 digital inputs (USB Type B, Coaxial, Optical)
- 3 digital inputs supporting 192 kHz/24-bit high-resolution sources
- USB Type B port in asynchronous mode capable of handling 192 kHz/24-bit content (Sampling frequencies [kHz]: 32/44.1/48/64/88.2/96/176.4/192)
- Supports Apple Lossless (ALAC) as well as 192 kHz/24-bit FLAC and WAV audio playback
- Supports gapless playback for easy-to-enjoy, seamless transitions between tracks
- Precision signal conversion by 192 kHz/24-bit High Current Audiophile D/A Converters
- Inverted-phase analog output signal option
- High-purity, gold-plated copper RCA terminals

Useful functions
- AirPlay Music Streaming from PC/Mac
- DLNA ver. 1.5 certified DMP (Digital Media Player) & DMR (Digital Media Renderer)
- "Marantz Remote App" compatibility for performing basic operations with an iPad®, iPhone or Android smartphone
- USB Type A port conveniently located on the front panel for playback from iPhone/iPod or USB device
- iPod auto detect and charge function even during standby mode
- XLR balanced outputs with phase inverter
- Energy-saving Auto Standby mode

because music matters
### Specifications

#### Playable Formats
- **Type:** WMA, MP3, WAV, MPEG-4 AAC, FLAC, ALAC
- **Sampling frequency:** 32, 44.1, 48, 88.2 (WAV/FLAC/ALAC), 96 (WAV/FLAC/ALAC), 176.4 (WAV/FLAC), 192 (WAV/FLAC)
- **Bit length:** 16, 24 bit

#### Audio performance

**Analogue output**
- **Channels:** 2 channels
- **Playable frequency range:** 2 Hz - 96 kHz
- **Playable frequency response:** 2 Hz - 20 kHz (DSD mode, PCM sampling frequency: 192 kHz)
- **S/N:** 110 dB (Audible Range)
- **Dynamic Range:** 110 dB (Audible Range)
- **Harmonic Distortion:** 0.001 % (1 kHz, Audible Range)

**Digital output**
- **Coaxial:** 0.5 Vp-p
- **Optical:** –19 dBm

**Digital input**
- **Coaxial:** 0.5 Vp-p
- **Optical:** –27 dBm or better

**USB (Front)**
- **USB Type-A:** 1

**USB (Rear)**
- **USB Type-B:** 1

#### Output Level
- **Unbalanced:** 2.3 V RMS Stereo
- **Balanced:** 4.6 V RMS Stereo

**Headphone output:** 30 mV(2 Ohms variable maximum)

#### General
- **Power supply:** AC 120 V, 60 Hz
- **Power consumption:**
  - 50 W
  - 0.4 W in standby mode
- **Power consumption in “Network Control” – “On” mode:** 3 W
- **Dimensions (WxHxD):** 17 21/64” x 5” x 16 27/64”
- **Weight:** 32 lbs 3 oz, 14.6 kg

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**Ports**

**Analog audio output**
- **XLR balanced (L/R):** 1
- **RCA analog (L/R):** 1 (gold plated)

**Headphones:** 1

**Digital audio output**
- **Optical:** 1
- **Coaxial:** 1 (gold plated)

**Digital audio input**
- **Optical:** 1
- **Coaxial:** 1 (gold plated)
- **USB Type-A (Front):** 1
- **USB Type-B (Rear):** 1

**Others**
- **Network (Ethernet):** 1
- **RS-232C:** 1
- **Flasher in:** 1
- **Remote control (IN/OUT):** 1

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