

# NA-11S1

Network Audio Player



marantz®



## 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, 24bit

### Audio performance

#### Analog output

Channels:	2 channels
Playable frequency range:	2 Hz - 96 kHz
Playable frequency response:	2 Hz - 50 kHz (-3dB) (DSD mode, PCM sampling frequency: 192 kHz) 2 Hz - 20 kHz (PCM sampling frequency: 44.1 kHz)

S/N:	110 dB (Audible Range)
Dynamic Range:	110 dB (Audible Range)
Harmonic Distortion:	0.001 % (1 kHz, Audible Range)

#### Output Level

Unbalanced:	2.3 V RMS Stereo
Balanced:	4.6 V RMS Stereo
Headphone output:	30 mW/32 ohms (variable maximum)

#### 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 (USB 2.0 High speed)
USB (Rear)	USB Type B (USB 2.0 High speed)

### 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

### General

Power supply:	AC 120 V, 60 Hz
Power consumption:	50 W
Power consumption in standby mode:	0.4 W
Power consumption in "Network Control" - "On" mode:	3 W
Dimensions (WxHxD):	17 21/64" x 5" x 16 27/64"
	440 x 127 x 417 mm
Weight:	32 lbs 3 oz, 14.6 kg

PANDORA

Spotify

SiriusXM  
INTERNET RADIO



Made for  
iPod iPhone



Audio PCB



Toroidal main power transformer with copper-plated case



Organic light-emitting diode (OLED) display



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