

# Specifications

## Network

- Input jack: NETWORK x 1 (100Base-TX/10Base-T)
- PC client function
- Compatible with DLNA ver. 1.5
- AirPlay supported
- Internet radio
- Streaming service
- Wi-Fi function
  - Capable of direct connection with mobile device
  - Available security method
    - ..... WEP, WPA2-PSK(AES), Mixed Mode
  - Radio frequency band ..... 2.4 GHz
  - Radio frequency (operational frequency)
    - ..... 2412 MHz to 2472 MHz
  - Maximum output power (E.I.R.P) ..... 17.5 dBm (56.2 mW)
  - Wireless network standard ..... IEEE 802.11 b/g/n
  - Wi-Fi settings
    - WPS (Wi-Fi Protected Setup) ..... Capable of WPS
    - Capable of sharing with iOS devices by wireless connection.

## Bluetooth related function

- Version ..... *Bluetooth* 2.1 + EDR
- Frequency ..... 2.4 GHz
- Radio frequency (operational frequency)
  - ..... 2402 MHz to 2480 MHz
- Maximum output power (E.I.R.P) ..... 4.0 dBm (2.5 mW)
- Wireless output ..... *Bluetooth* Class 2
- Profiles
  - Source function
    - The unit → sink device (ex. Bluetooth headphones)
    - Profile: A2DP version 1.3, AVRCP version 1.6
    - CODEC: SBC
  - Sink function
    - The unit ← source device (ex. iPhone/Android)
    - Profile: A2DP version 1.3, AVRCP version 1.6
    - CODEC: SBC, AAC

## USB

- Input jack: USB x 1 (USB 2.0)
- Capable of mass storage class USB memory
- Current supply capacity: 1.0 A

## Audio

- Minimum RMS output power
  - (20 Hz to 20 kHz, 0.019% THD, 8Ω) ..... 100 W+100 W
- Dynamic power per channel (IHF) (8/6/4/2Ω)
  - ..... 140/170/220/290 W
- Maximum power per channel (1 kHz, 0.7% THD, 4Ω)
  - [U.K. and Europe models] ..... 160 W
- IEC power (1 kHz, 0.04% THD, 8Ω)
  - [U.K. and Europe models] ..... 115 W
- Power band width (main L/R)
  - (0.06%THD 40.0 W, 8Ω) ..... 10 Hz to 50 kHz
- Damping factor (SPEAKERS A)
  - 1 kHz, 8Ω ..... 240 or more
- Maximum effective output power (JEITA)
  - (1 kHz, 10% THD, 8Ω)
  - [Asia and General models] ..... 145 W
- Input sensitivity/input impedance
  - PHONO (MM) ..... 2.5 mV/47 kΩ
  - CD, etc. .... 200 mV/47 kΩ
- Maximum input signal
  - PHONO (MM) (1 kHz, 0.03% THD) ..... 45 mV
  - CD, etc. (1 kHz, 0.5% THD) ..... 2.2 V
- Output level/output impedance
  - CD, etc. (input 1 kHz, 200 mV)
  - OUT ..... 200 mV/1.0 kΩ
  - SUBWOOFER OUT ..... 4.0 V/1.2 kΩ

- (Cut off frequency) ..... 90 Hz
- PHONES (8Ω load) ..... 470 mV/470Ω
- Frequency response
  - CD, etc. (20 Hz to 20 kHz) ..... 0 ± 0.5 dB
  - CD, etc. (10 Hz to 100 kHz, PURE DIRECT on) ..... 0 ± 1.0 dB
- RIAA equalization deviation
  - PHONO (MM) ..... ± 0.5 dB
- Total harmonic distortion
  - PHONO (MM) to OUT
  - (20 Hz to 20 kHz, 2.5 V) ..... 0.03% or less
  - CD, etc. to SPEAKERS
  - (20 Hz to 20 kHz, 50.0 W, 8Ω) ..... 0.019% or less
- Signal to noise ratio (IHF-A Network)
  - PHONO (MM) (input shorted, 5 mV)
  - [U.S.A., Canada, Asia, General models] ..... 82 dB or more
  - [U.K., Europe, Korea, Australia models] ..... 75 dB or more
  - CD, etc. (input shorted, 200 mV) ..... 100 dB or more
- Residual noise (IHF-A network) ..... 70 μV
- Channel separation
  - CD, etc. (5.1 kΩ input shorted, 1 kHz/10 kHz)
  - ..... 65/50 dB or more
- Tone control characteristics
  - BASS
  - Boost/cut (20 Hz) ..... ± 10 dB
  - Turnover frequency ..... 300 Hz
  - TREBLE
  - Boost/cut (20 kHz) ..... ± 10 dB
  - Turnover frequency ..... 3.0 kHz
- Continuous loudness control
  - Attenuation 1 kHz ..... -30 dB
- Gain tracking error (+16.5 to -80 dB) ..... 0.5 dB or less
- Digital input (OPTICAL/COAXIAL)
  - Support audio sample rate ..... 32/44.1/48/88.2/96/176.4/192 kHz

## FM

- Tuning range
  - [U.S.A. and Canada models] ..... 87.5 to 107.9 MHz
  - [Asia and General models] ..... 87.5/87.50 to 108.0/108.00 MHz
  - [U.K., Europe, Korea, Australia models] ..... 87.50 to 108.00 MHz
- 50 dB quieting sensitivity (IHF, 1 kHz, 100% MOD.)
  - Mono ..... 3.0 μV (20.8 dBf)
- Signal to noise ratio (IHF)
  - Mono/stereo ..... 69 dB/67 dB
- Harmonic distortion (1 kHz)
  - Mono/stereo ..... 0.5%/0.6%
- Antenna input ..... 75Ω unbalanced

## AM (R-N803)

- Tuning range
  - [U.S.A. and Canada models] ..... 530 to 1710 kHz
  - [Asia and General models] ..... 530/531 to 1710/1611 kHz
  - [Korea model] ..... 531 to 1611 kHz

## DAB (R-N803D)

- Tuning range ..... 174 to 240 MHz (Band III)
- Support audio format
  - ..... MPEG 1 Layer II/MPEG 4 HE AAC v2 (AAC+)
- Antenna input ..... 75Ω unbalanced

## General

- Power supply
  - [U.S.A. and Canada models] ..... AC 120 V, 60 Hz
  - [General model] ..... AC 110-120/220-240 V, 50/60 Hz
  - [Korea model] ..... AC 220 V, 60 Hz
  - [Australia model] ..... AC 240 V, 50 Hz
  - [U.K. and Europe models] ..... AC 230 V, 50 Hz
  - [Asia model] ..... AC 220-240 V, 50/60 Hz
- Power consumption ..... 250 W
- Off mode ..... 0.1 W