

marantz®



CD 50n

High-Resolution Network Audio Player with HDMI ARC and CD Player

Striking a perfect balance between timeless quality and modern technologies, the Marantz CD 50n streamlines the digital music listening experience to reveal the warmth, spaciousness, detail, and richness of each recording.

- CD 50n brings all your digital audio into one single component.
- Meticulously engineered and assembled using unique technologies like HDAM and Marantz Musical Digital Filtering.
- High-quality CD transport reveals details in your music like never before.
- Enjoy TV sound on your stereo with a single, simple HDMI connection.
- We've customized the digital filtering to optimize sound and have given you the option to switch between two sounds.
- Access your favourite streaming services plus AirPlay and Bluetooth with HEOS® Built-in.
- Meticulously designed style and superb craftsmanship matches the most musical sound



The Most Musical Sound

CD 50n

Technical Specifications



Features	
Network audio streaming	Yes
Spotify Connect / Tidal / Deezer / others	Yes / Yes / Yes / Yes
Amazon Prime Music	Yes
AirPlay 2	Yes
Roon Tested	Yes
Internet Radio	TuneIn
HEOS Multiroom and Streaming	Yes
Voice Control - Works with Amazon Alexa	Yes
Voice Control - Microphone built-in	No
CD Compatibility: CD / CD-R/RW / SA-CD / WMA / MP3 / AAC	Yes / Yes / No / Yes / Yes / No
CD-Text / SA-CD Text / ID3 Tag / WMA Meta Tag / AAC Metadata	No / No / Yes / Yes / No
USB input for memory stick	Yes
DAC Master Clock Design	Yes
DAC operation mode: USB-B / Coax / Optical	Yes / Yes / Yes
Asynchronous mode rear USB-B	Yes
Bit-perfect transmission	Yes
USB-B DSD Audio Streaming (DoP): DSD2.8 / DSD5.6 / DSD11.2	Yes / Yes / Yes
Signal isolator for DAC Mode operation	Yes
HDAM version	HDAM + HDAM-SA2
Power Transformer: Toroidal / EI	Yes / No
High Grade Audio Components	Yes
Customized Components	Yes
Symmetric circuit layout	Yes
Extra metal plate for chassis strengthening	Yes (double layer, 1mm x 2)
Digital out off / Audio EX Mode	Yes / No
Headphone: Standard / Buffer / Current feedback	No / No / Yes (HDAM-SA2)
Connectivity	
Wi-Fi / Wired LAN	2.4 GHz, 5 GHz / Yes
Wi-Fi on / off mode	Yes
Bluetooth on / off mode	Yes
DSD Audio Streaming via Wi-Fi/LAN	up to DSD5.6 up to PCM 192 kHz
Lossy formats: MP3 / WMA / AAC	Yes / Yes / Yes
Lossless formats: DSD / FLAC HD 192/24 / ALAC 96/24 / WAV 192/24	Yes / Yes / Yes / Yes
Gapless Playback	Yes (FLAC, WAV, DSD)
Remote Mobile App: iOS / Android	Yes / Yes
App control AMP/CD via Network Player	Yes
Other	
Selectable filter: CD / SA-CD / DAC-Mode	Yes / No / Yes (PCM Only)
Separated rectifier circuit for analogue and digital circuitry	Yes
Display: Dimmer / Off	Yes / Yes
Display	3-Line OLED
Playback	
Program Play (CD / SA-CD)	25 / No
Repeat	Yes
Random Play	Yes

Inputs/Outputs		
Analogue Out (RCA)	1	
Variable Out (RCA)	1	
Balanced Out	No	
HDMI: ARC input for TV	Yes	
Digital Optical In / Out	1 / 1	
Digital Coaxial In / Out	1 / 1	
Max Sample Rate: S/PDIF Input	192 kHz / 24-bit	
Gold plated Cinch	Yes	
USB Audio	Rear	
USB type B input for PC (rear)	Yes	
Sample Rate USB type B In	up to DSD11.2 and PCM 384kHz	
Remote Control Bus in / out	Yes	
Headphone Out	Yes	
Headphone Volume Control	Yes	
Bluetooth / Bluetooth HP transmission	Yes / Yes (Update)	
Ethernet port	Yes	
IP control	Yes	
Flasher input	Yes	
RS232	Yes	
Specifications		
Low Pass Filter stage	HDAM	
Output Buffer	HDAM-SA2	
Headphone amp	HDAM-SA2	
CDDA Audio		
Frequency Response	2 Hz-20 kHz	
Dynamic Range	100 dB	
Signal to Noise Ratio	112 dB	
Total Harmonic Distortion	0.000016	
Channel Separation	105 dB	
General		
Available colors: Black / Silver-Gold	Yes / Yes	
Metal Front Panel	Yes	
Remote Control	RC003PMND	
Power Consumption	35W	
Standby Consumption	0.3W	
Auto power off	Yes	
Detachable Power Cable	Yes	
Maximum Dimensions (W x D x H)	442 x 424 x 130 mm	
Weight	10.3 kg	
Carton Maximum Dimensions (W x D x H)	527 x 517 x 255 mm	
Carton Weight (incl. product)	13.5 kg	
EAN		
EU Black	CD50N/N1B	0747192141202
EU Silver-Gold	CD50N/N1SG	0747192141219

Design and specifications are subject to change by Marantz without notice.

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