

marantz



CD 50n

CD 50n High-Resolution Network Digital Audio 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.
- Meticulously designed style and superb craftsmanship match the extraordinary sound quality.
- We've customized the digital filtering to optimize sound and have given you the option to switch between two sounds.
- Access your favorite streaming services plus AirPlay and Bluetooth with HEOS® Built-in.



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 / Pandora	Yes / 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	
Data Disc Compatibility: DSD / WAV / ALAC	No / No / 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 Bluetooth on / off mode	Yes	
Bluetooth on / off mode	Yes	
DSD Audio Streaming	up to DSD11.2 up to PCM384 kHz (Update)	
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 384 kHz
D-Bus			Yes
Remote Control Bus in / out			No
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			Yes
Power Consumption			35W
Standby Consumption			0.3W
Auto power off			Yes
Detachable Power Cable			Yes
Maximum Dimensions (W × D × H)			442 × 424 × 130 mm
Weight			10.3 kg
Carton Maximum Dimensions (W × D × H)			527 × 517 × 255 mm
Carton Weight (incl. product)			13.5 kg
UPC			
USA	Black	CD50N/U1B	747192141189
USA	Silver-Gold	CD50N/U1SG	747192141196

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

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