

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	Tuneln
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	
CDDIA 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 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	
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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