

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 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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