

C 521BEE CD PLAYER



- CD, CD-R and CD-RW Compatible
- Burr-Brown Sigma-Delta 20 bit Digital to Analogue Converter
- Coaxial Digital Output
- Low Output Impedance
- Separate Power Regulators for Analogue and Digital Sections
- EL Backlit Display with selectable Track, Time and Repeat
- Repeat Mode for Single Track or Entire CD
- Program Play up to 20 Tracks
- Random Play
- NAD CD-6 Full Function Remote Control

As an excellent example of Bjorn Erik Edvardsen's* "10/10 Rule", we have added Erik's initials to our "Best Buy" CD Player, the C 521. Erik's 10/10 Rule states that the ideal for high value products is achieved when it costs 10 times more money to get only a 10% increase in performance. While some people will gladly spend to get that last gram of musical pleasure, for the vast majority of music lovers the C 521BEE offers that sweet spot where spending less gets a lot less, and spending more gets only a small incremental improvement.

As always, sonic performance is the first priority at NAD. We think that even the most critical music listeners will appreciate the fluid dynamics, spacious sound, and refined harmonic textures the C 521BEE is able to extract from their favorite performances on Compact Disc. Whether your musical taste leans toward the expansive majesty of a full symphony orchestra, the driving beat and raw energy of rock, or the warm intimacy of the a capella voice, the C 521BEE never gets in the way of the musical expression.

Features and Circuitry

Creating one's own favorite compilation CD-R and CD-RW's on a CD Recorder is becoming ever more popular, and unlike ordinary CD players, the C 521BEE will easily play these discs. We have included a number of additional features to make your listening more enjoyable: RANDOM gives the listener

a random selection of all tracks on the disc in play, and REPEAT allows repeat playing of either the entire disc, or individual tracks. Individual tracks can be quickly accessed using the SKIP function (Forward and Back), and the SCAN function (Forward and Back) gives an aural précis of individual tracks, giving the listener the opportunity to reach specific sections of the track.

The Electro-Luminescent backlit display provides clear and understated, yet comprehensive information to the listener. The track number is displayed, and for those who regularly transfer CDs to cassette, MiniDisc or CD-R, the button displays the current time elapsed or remaining for complete CDs. A "calendar" type section in the display gives immediate visual information of how many tracks in total there are on the CD.

Not all digital outputs are equal. In the case of the NAD C 521BEE, careful attention has been paid so that best use can be made of the ever increasing number of products now available with digital inputs (CD, MD recorders, computer sound cards, outboard D to A converters, etc.). Unusually at this price point, the coaxial output is buffered and isolated by a transformer from the converter itself and the output impedance has been carefully tailored to produce a precise 75 ohms impedance to ensure perfect matching. This attention to detail reduces the timing errors (jitter) that could otherwise distort the digital data stream.

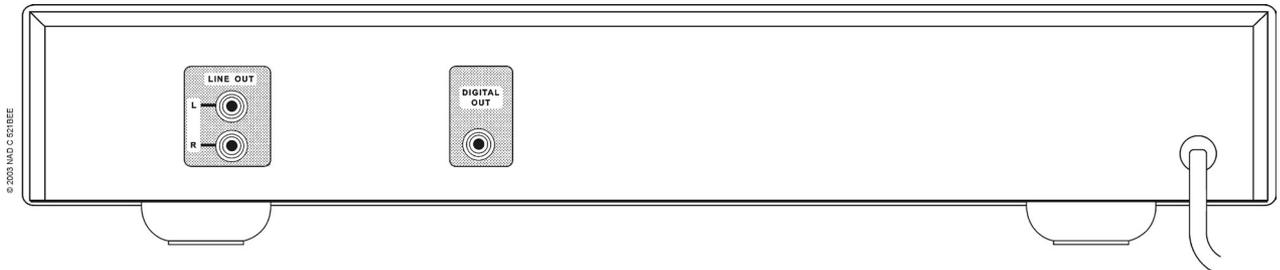
The Model C 521BEE comes supplied with the new NAD CD-6 full function remote control, offering all of the features described above from the comfort of your listening chair. On top of that, the remote control handset gives you direct track access and programming facilities, as well, saving the user's time when they're storing preferred song titles. Up to 20 tracks can be programmed. It is possible to delete tracks without using the program function by simply using the delete key. Separate power regulators for the digital and analogue sections isolate the two electrically, reducing interference effects. Furthermore, careful layout of the PCB tracks around the Digital-to-Analogue converter helps to contain RF radiation and interference. The 20 bit high resolution Burr-Brown S-D Digital-to-Analogue converter chip was chosen for its excellent low-level linearity and

detail retrieving capabilities. Metal film resistors and polypropylene capacitors are used in key areas to ensure a highly accurate frequency response. High quality 5532 op-amps are used instead of the much lower grade and type normally found at this price level. Apart from the single output capacitor, no other capacitors are used in the signal path. The output impedance is very low at 300 ohms, making the NAD C 521BEE less sensitive to cables or the ancillary equipment it is partnered with.

Not surprisingly, the C 521BEE is an ideal companion to NAD's award winning amplifier, the C 320BEE.

When combined with any one of a number of excellent moderately priced loudspeakers available today, this combination can offer a level of performance and musical satisfaction far beyond what was possible at any price, only a few short years ago.

*Erik Edvardsen is NAD's Director of Advanced Development, and is responsible for many of NAD's most innovative products during his 25+ years with the brand.



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CD Section

Disc Capacity	1 x 120mm or 80mm CD-R & CD-RW Compatible
Programming Capability	20 Tracks
Digital-to-analogue conversion	20 bit Sigma-Delta
Digital Filter	8 x oversampled
Analogue filter	4 pole active
Frequency Response 5Hz-20kHz	±0.5dB
De-emphasis error	<0.5dB
THD (at 0dB, 1kHz)	0.0035%
Dynamic Range	98dB
Linearity	± 0.5dB; 0 to -90dB
Signal/noise ratio, A-weighted	108dB
Channel separation at 1kHz	>110dB
Channel separation at 10kHz	>80dB
Wow and flutter	Quartz accuracy
Output impedance	300Ω
Output level at 0dB	2.2V rms
Digital error correction	CIRC, double error correction in C1 and C2
Digital output	Yes - Coaxial
Remote Control	NAD CD-6
Physical Specifications	
Dimensions (W x H x D)	17 1/8 x 2 3/4 x 11 1/4" (435 x 70 x 285mm)
Net Weight	9.0 lbs (4.1kg)
Shipping Weight	10.8 lbs (4.9kg)