



# C 545BEE CD Player



## > POSITIONING

The C 545BEE takes the superb performance of our 5-star rated C 515BEE and steps it up to the next level. Every aspect of sonic performance is enhanced and refined making the C 545BEE the ideal companion to our C 355BEE amplifier or any system in need of a performance upgrade.

The C 545BEE replaces NAD's venerable C 542. With the worldwide acclaim and numerous awards for outstanding performance and value, it is fair to ask why NAD would "mess with success". But NAD has never rested on its laurels; rather development is ongoing at the NAD Lab and new models are launched when we feel a significant improvement has been achieved. Such is the case with the C 545BEE. Besides the new more refined cosmetics, the circuit layout and component choices have been extensively updated. The cumulative effect of these changes is dramatic, improving low frequency slam and extension, while maintaining the pace and timing for which the C 542 was so lavishly praised. Image depth and scale are further enhanced while retaining the timbral accuracy and lucid harmonic structure of its predecessor.

## > FEATURES

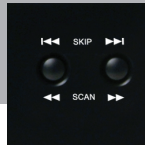
- CD, CD-R and CD-RW Compatible
- MP3 and WMA decoding
- NAD CD-8 Full Function Remote Control
- Burr Brown 24 bit Digital to Analogue Converter
- Coaxial Digital Output
- Optical Digital Output
- Low Output Impedance
- Toroid Power supply with Separate Power Regulators for Analog and Digital Sections
- VFL Display with CD text
- Selectable Track, Time and Repeat
- Repeat Mode for Single Track or Entire CD
- Program Play up to 40 Tracks
- Random Play
- External IR Input
- 12V Trigger Input
- <1 watt Standby consumption
- Detachable AC cord

## > DETAILS

### 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 older CD players, the C545 will easily play these discs, even those encoded with MP3 and WMA compression. Nearly 10 hours of music can be recorded onto one CD-R when using 128kps compression allowing 'all day' background music listening. 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 Vacuum Fluorescent display provides clear and understated, yet comprehensive continued>



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information to the listener. The track number is displayed, and for those who regularly record CDs, Vacuum Fluorescent display shows the current time elapsed or remaining for complete CDs or individual tracks.

Not all digital outputs are equal. In the case of the NAD C 545BEE, 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. An optical Toslink output is also provided allowing connection to devices that only provide this option.

The Model C 545BEE comes supplied with the new NAD CD-8 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 40 tracks can be programmed. It is possible to delete tracks without using the program function by simply using the CLEAR key.

Separate power regulators for the digital and analog 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 24 bit high resolution Burr Brown 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 Burr Brown OPA2134 op-amps are used instead of the much lower grade and type used in lesser players. Apart from the single film type output capacitor, no other capacitors are used in the signal path. The output impedance is very low at 300 ohms, making the NAD C 545BEE less sensitive to cables or the ancillary equipment it is partnered with.

We urge you to listen to the NAD C 545BEE with a wide range of program material and with the best ancillary equipment to fully appreciate the refinement of this modest looking – and by High End standards inexpensive – CD player. You can spend a lot more money for a CD player, but we think you'll have a difficult task finding a more musically complete and rewarding performance than that offered by the NAD C 545 BEE. A new benchmark has been set.

## > SPECIFICATIONS

### GENERAL PARAMETERS

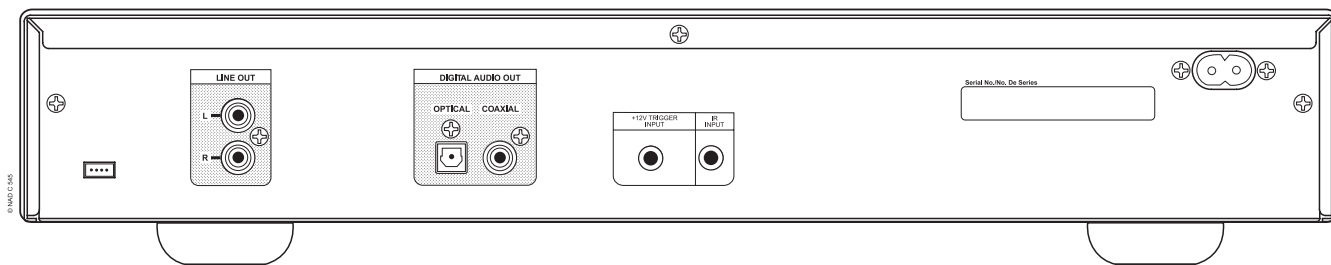
Output level	
Analog	2.2 ± 0.1 V
Optical	-22.5 ± 3.5 dBm
Coaxial	650 ± 150 mV
Frequency response	± 0.3 dB (ref. 0 dB 20 Hz-1 kHz) ± 0.5 dB (ref. 0 dB 1 kHz-20 kHz)
Total harmonic distortion	<0.01 % (ref. 1 kHz)
Signal/Noise ratio	118 dB (A-weighted, ref. 1 kHz)
Channel balance	± 0.5 dB(ref. 0 dB 1 kHz)
Dynamic range	>95 dB
Channel separation	>90 dB
De-emphasis	-3.73 to -5.33 dB (ref.0 dB 5 kHz) -8.04 to -10.04 dB (ref.0 dB 16 kHz)
Linearity (ref. 0 dB 1 kHz)	± 0.01 dB (at -3 dB) ± 0.02 dB (at -6 dB) ± 0.05 dB (at -20dB) ± 0.15 dB (at -60dB)

### PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	Net	435 x 70 x 285 mm 17 1/8" x 2 3/4" x 11 1/4"
	Gross	435 x 86 x 293 mm 17 1/8" x 3 3/8" x 11 1/2"
	Net weight	10.80 lbs (4.9 kg)
	Shipping weight	13.89 lbs (6.3 kg)

\* Gross dimensions include volume knob / speaker terminals / connectors / feet.  
Note: Installers should allow a minimum clearance of 2- 4 inches for wire management.

## > REAR LINE DRAWING



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