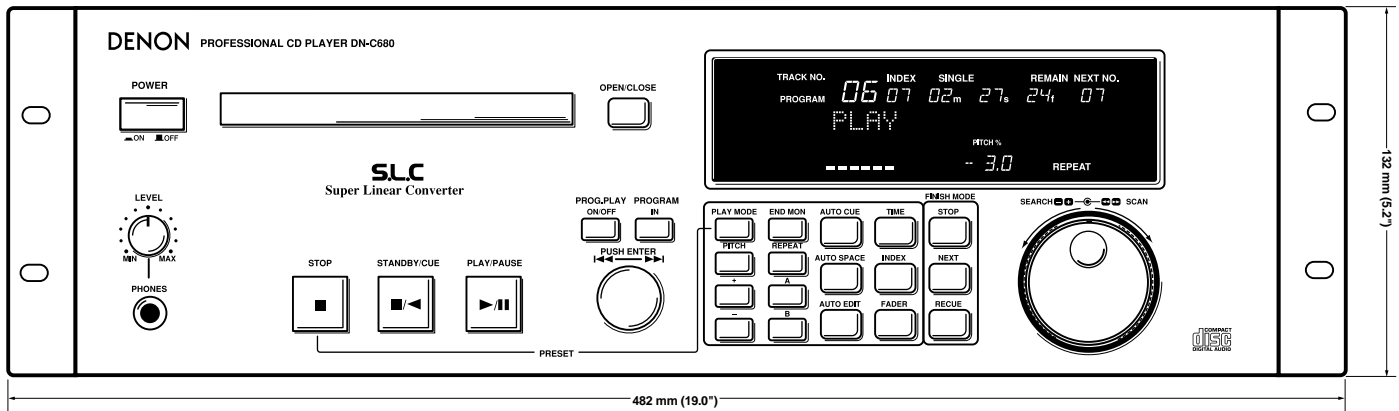


DENON

DN-C680

Professional CD Player



DESCRIPTION

The Denon DN-C680 is a single-drawer professional CD player designed for everything from broadcast studio and post-production to DJ applications.

Housed in a 3U aluminum chassis, the DN-C680 features a large jog dial and shuttle wheel, similar to the Denon DN-2500 Pro DJ player, for fast searching and cueing. The jog dial moves through a CD frame-by-frame, or can be adjusted to move in 10-frame increments. Likewise, the CD's index can also be scrolled through in single or 10-index increments.

The DN-C680 features digital XLR and coaxial outputs, in addition to balanced analog XLR and unbalanced analog RCA outputs, to provide maximum flexibility in recording or synchronizing applications.

Available separately are two optional plug-in cards for special applications. The ACD-25FSC card provides for either 32 kHz or 48 kHz sampling frequency digital output.

The ACD-27CS is a SMPTE time code sync card that conforms to the IEC-461 longitudinal time code format, and allows the DN-C680 to be externally controlled via Sony VTR protocol—ideal for video post-production and other applications where VTR sync to audio from CD is required.

MAIN FEATURES

- **19-inch Rack-mountable (height 3U)**
- **Large FL Display, Illuminated Rubber Buttons**
- **Track Search Select Knob (Easy Track Selection)**
- **Jog Dial/Shuttle Wheel**
Perform searches to 1-frame precision using the jog dial and easy scans using the shuttle ring.
- **Program Play (Max. 25 tracks)**
 - (1) When the PLAY mode is set to Single, the player stands by at the beginning of the next track.
 - (2) When the PLAY mode is set to Continuous, the playback is continued according to your programmed sequence.
- **Play Mode and Finish Mode**
 - (1) Play mode
 - (a) Continuous: Play a whole disc
 - (b) Single: Play a track
 - (c) A-B: Play an A-B
 - (2) Finish mode (Stop, Next, Recue)
 - * only when Single Track play is selected.
 - (a) Stop: Stop after finishing to play a track.
 - (b) Next: Standby at the beginning of next track after finishing to play track.
 - (c) Recue: After finishing to play a track, standby at the beginning of the track.
- **Auto Cue**
After a disc is loaded, it is automatically cued to the point where audio starts. Cueing takes place at the point where audio starts rather than where the track starts. The level at which sound is first detected can be set between -36 to -72 dB (7 steps).
- **End Monitor**
Pressing the END MON button during standby instantly previews the end of the track, thus assuring a perfect "end point". The point at which monitoring starts can be set

within a range of 5 to 35 seconds (7 steps) prior to the track's end.

- **End Of Message (EOM)**

At the end of a track, the Display's EOM light flashes providing a visual warning to the operator that the track will end shortly. The point at which the flashing begins can be set within a range of 0 to 30 seconds (7 steps) prior to the end of the track.

- **Pitch Control ($\pm 9.9\%$, 0.1% steps)**

- **Index Search**

The Select knob can be used to perform an Index Search when the INDEX button is ON (The LED on the INDEX button lights up).

- **AUTO SPACE**

During playback, it is possible to insert a silent space of about 4 seconds between tracks. To do this, simply press the AUTO SPACE button to ON (The LED on the AUTO SPACE button lights up).

- **AUTO EDIT**

This function automatically divides the total recorded time on the disc in half and rearranges the tracks so that they fit neatly onto the A and B sides.

- **Display of Playback Locations**

A bargraph display indicates playback points on the track being played. Elapsed time and Remaining time displays are switched using the TIME button.

- **Rich Array of External Control Terminals**

Serial Remote (RS232C/RS422A switchable, D-sub 9 pin)

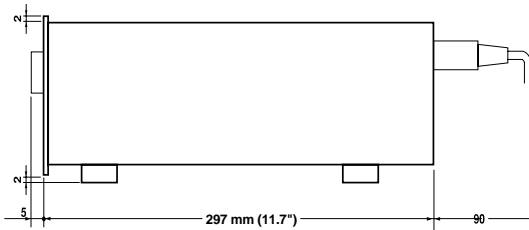
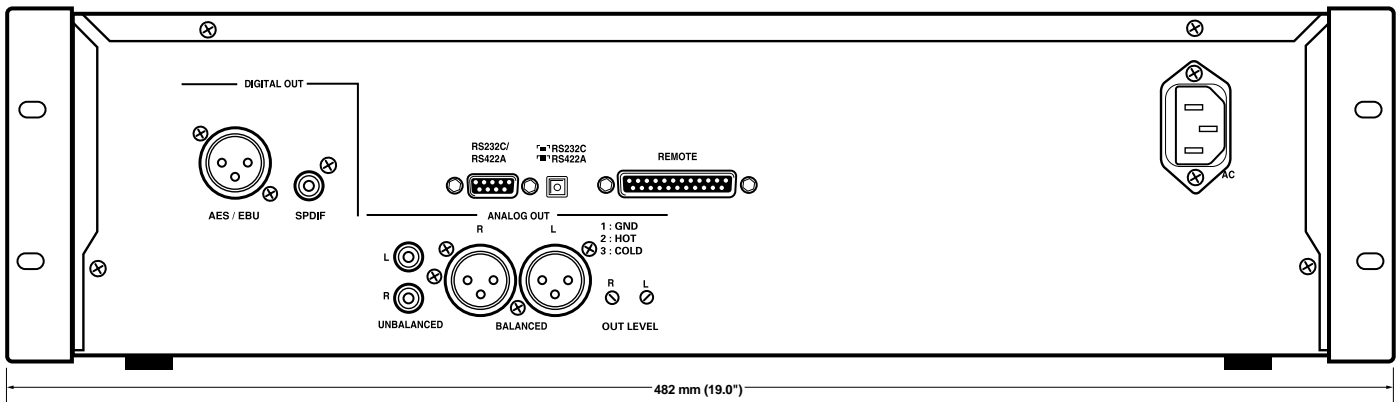
Parallel Remote (D-sub 25-pin)

- **Optional ACD-25FSC Sampling Frequency Converter Card**

Digital output is possible at 32 and 48 kHz as well as 44.1 kHz, with this optional card.

- **Optional ACD-27CS SMPTE Time Code/Sony VTR Card**

Provides Sony VTR control protocol along with SMPTE Time Code sync.



ARCHITECT'S & ENGINEER'S SPECIFICATIONS

The CD player shall have AES/EBU digital XLR outputs, in addition to balanced analog XLR and both analog and digital unbalanced RCA outputs, and shall be housed in a 3U aluminum chassis. The external terminals shall feature Serial Remote, RS232C/RS422A switchable D-sub 9-pin, and Parallel Remote, D-sub 25-pin. The variable pitch rate shall be $\pm 9.9\%$, adjustable in 0.1% steps. Options shall include a Sample Rate Converter kit, and a SMPTE Time Code with Sony VTR Protocol kit.

The unit shall have an Auto Cue function which will take place at the point where audio starts rather than where the track starts. The Auto Edit function shall automatically divide the total recorded time on the disc in half and rearrange the tracks so that they fit onto A and B sides. The CD player shall be the Denon DN-C680.

SPECIFICATIONS

GENERAL

Type: CD Player
Disc Type: Standard compact discs (12 cm, 8 cm/5", 3")

AUDIO SECTION

Channels: 2 channels (stereo), 1 channel (mono)
Sampling Frequency: 44.1 kHz (32/48 kHz available using optional ACD-25FSC)
Digital Filter: 18-bit, 8-times oversampling digital filter
Frequency Response: 5 Hz-20 kHz (± 1.0 dB)

Total Harmonic Distortion: 0.003% or less
Signal-to-Noise Ratio: 105 dB, "A"-weighted
Channel Separation: 100 dB

Analog Output:

Transfer and Connector: Balanced active, XLR connector
 Factory default: 1. Common, 2. Cold, 3. Hot
 Unbalanced, RCA jacks
Output Level: Balanced: +18dBm, 600 ohms
 Unbalanced: 2 V, 10 kohm
Output Level Adjust Range: +22 dB to -20 dB (Balanced)
Headphone Output: 20 mW (30 to 40 ohms)

Digital Output

Transfer and Connector: Balanced active XLR connector
 Factory default: 1. Common, 2. Cold, 3. Hot
 Unbalanced RCA jack
Signal Format: AES/EBU, IEC 958 Type II and SPDIF
Output Level: Balanced: 3 Vp-p, 110 ohms
 Unbalanced: 0.5 Vp-p, 75 ohms

Variable Pitch Control: +9.9% max.
Audio Start-up Time: Less than 0.01 second

Frame Search Accuracy: 1 CD frame (1/75 second)

DIMENSIONS:

482 (W) x 132 (H) x 297 (D) mm
 19" (W) x 5.2" (H) x 11.7" (D)

WEIGHT:

6.8 kg, 15 lbs.

POWER CONSUMPTION:

19 W

POWER SUPPLY:

AC 120 V, 60 Hz

- Above specifications and design styling are subject to change for improvement.