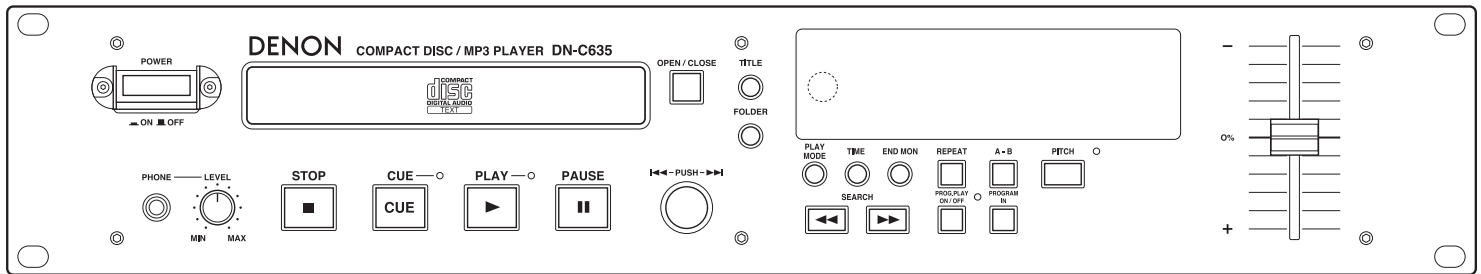


DN-C635

Professional CD Player



DESCRIPTION

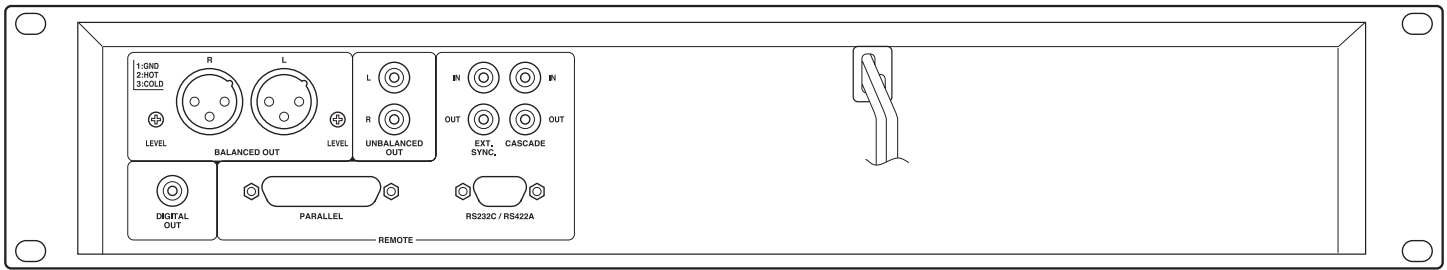
The Denon DN-C635 is a professional CD player housed in a single 2RU rack-mount chassis. It is the successor to the popular DN-C630 and includes many new feature enhancements for professional applications such as CD-RW playback, shock memory and CD text support. Auto Cue to music and instant start insures there are no blank spots at the beginning of the track to be played. A new D-Sub 9 pin port can be configured for either RS-232C or RS-422A communication. An Infra-red sensor has been added behind the front panel for wireless control.

Designed for use in a wide range of applications the DN-C635 will satisfy the needs of demanding installations. Radio station, pre-production, post production, studio and theater are just some of the examples where the DN-C635's features will provide solid performance when quality sound is required. For background music applications, the DN-C635 supports MP3 decoding for hours of music playback.

Functions on this CD player include a variable pitch of $\pm 12\%$ (approximately 2 octaves) and a Single/Continuous Playback mode. The 1x/10x wrap-around track select knob allows for quick track access. A digital SPDIF port is located on the back panel for connecting to digital systems along with sync and cascade connectors for use with multiple DN-C635 units or the DN-780R tape recorder. Digital servo adjustment has been automated so that the optimum setting is always obtained for the type of CD being played, compensating for any changes occurring in the pickup over years of use.

MAIN FEATURES

- **Shock Proof Memory (approx. 10 sec.)**
- **Instant Start**
- **Auto Cue**
Tracks are automatically cued to the point where audio starts rather than where the track starts. Level adjustable.
- **Play mode**
Play a whole disc (Continuous) or play a track (Single).
- **Finish mode (Stop, Next, Recue)**
 - **Stop:** Stop after a track or disc is finished playing
 - **Next:** Standby at the beginning of the next track after finishing the current track being played
 - **Recue:** After finishing the current track being played, standby at the point where you started playback.
- **CD-R/RW Playback compatibility**
- **MP3 Playback**
 - Folder/Title search
 - $\pm 12\%$ Playback Speed Controllable on MP3
 - Folder Repeat Playback
- **CD TEXT**
- **1x/10x Rotary Track Select knob w/ Wrap-Around Control**
- **Adjustable XLR active balanced stereo output**
- **Playback Speed Control**
 - The long stroke sliding fader adjusts the play speed of CDs or MP3 discs by $\pm 12.0\%$
 - Pitch Lock function: Playback Speed, cannot change even if you move the sliding fader.
 - A preset function allows the speed to be increased by up to $\pm 3.0\%$. Front panel pitch control is then disabled.
- **Program Play (Max. 99 tracks)**
 - Three different programs can be stored in no volatile memory.
 - Auto Boot to program when a programmed disc is inserted.
- **End Monitor**
 - When this button is pressed while in Standby mode, the end of the selected track or disc is reviewed. Time adjustable.
- **Search Accuracy (1 frame = 1/75 sec.) (CD only)**
- **Serial (D-sub 9-pin) (AMX/CRESTRON compatible)**
- **End Of Message (EOM)**
At the end of a track, the FL display flashes, providing a visual warning to the operator that the track will end shortly. (range is 0 to 60 sec., 7 steps.)
- **Power-On Playback**
 - 1) Play the entire disc from the first track of the disc.
 - 2) Play the program sequence from the beginning.
- **Next-Track Reserve**
Turning the track select knob during playback reserves the next track to be played back. After the current track has finished playing back, the unit continues by playing back the reserved track.
- **Parallel (D-sub 25-pin) (GPI Control)**
Allows DN-C635 users to use play, pause and other simple functions easily by contact closure control.
- **Fader Start via D-Sub 25 pin connector**
 - Start Only** - Player starts when fader switch is turned on.
 - Start, Pause** - Player starts when fader switch is turned on.
 - Player pauses when fader switch is turned off.
- **Sleep function for extended transport life**
- **3 Function Preset groups for multiple users.**
- **Cascade Function**
(CASCADE IN/OUT) ports of multiple DN-C635 units can be linked to enable continuous relay playback among the units.
- **Synchronized Recording**
The port (EXT. SYNC OUT) of DN-C635 unit can be linked to other Denon recorders (DN-780R etc.) to enable simultaneous recording. (MAX 20 Units)
- **Display of Playback Location by bar graph**
- **Elapsed or Remaining Time**
- **Mono Playback (L & R channels mixed)**
- **Next Track Standby**
Pressing the STDBY/CUE button during play stops play back and makes the unit enter a standby at the beginning of the next track for quick track review.
- **Digital Output (Coaxial) (CD only)**
- **Headphone jack with volume control**



ARCHITECT'S & ENGINEER'S SPECIFICATIONS:

The CD player shall be housed in a single 2RU rack-mount chassis. The unit shall provide an FL tube display and support CD text. The unit shall provide CD frame indication. The unit shall provide a user adjustable preset menu.

The CD player shall offer a Single/Continuous mode and provide pitch control of $\pm 12\%$. The unit shall support CD-RW discs. The unit shall provide instant start and adjustable auto cue to music. The DN-C635 shall support MP3 playback for discs that have been recorded with a bit rate of 32–320 kbps. The digital servo shall feature an automated adjustment and the CD player shall provide shock proof memory.

The unit shall feature a 1x/10x wrap-around track select knob for fast track access. The DN-C635 shall feature a headphone jack with volume control mounted on the front panel. The unit shall provide an IR sensor mounted behind the front panel display, which can be set to work with remote controls conforming to either Denon or RC5 remote codes or can be defeated.

The unit shall provide an external rear panel mounted D-Sub 25 pin parallel remote control port that is compatible with the optional Denon RC-680 wired remote control unit. An external rear panel mounted D-Sub 9 pin serial remote control port shall be provided, which can be configured to RS-232C or RS-422A communication. The unit shall provide cascade and sync ports for use in conjunction with other DN-C635 CD players or DN-780R tape recorders. The unit shall provide a coaxial SPDIF digital output jack. The CD player shall provide both unbalanced RCA and adjustable balanced XLR analog connectors.

The CD player shall be the Denon DN-C635.

SPECIFICATIONS

Type	Single-mechanism Compact Disc Player
Audio Channels	2 Channel Stereo
Quantization	16-bit Linear
Sampling Frequency	44.1 kHz at Normal Pitch
Frequency Response	5 to 20,000 Hz
Total Harmonic Distortion	0.004% (at "CD Pitch = 0Fix" mode of the preset function)
Signal to Noise Ratio	104 dB (at "CD Pitch = 0Fix" mode of the preset function)
Dynamic Range	100 dB (at "CD Pitch = 0Fix" mode of the preset function)
Channel Separation	90 dB (at "CD Pitch = 0Fix" mode of the preset function)
Oversampling	8-times
Line Output	(Unbalanced) RCA jack
Output Level	2.0 V at 0 dB recorded Disc at 1 kHz
Load Impedance	10 kohms or more
Line Output (Balanced) hot)	3-Pin XLR (Active Balanced) (Pin 2)
Output Level	+18 dBu at 0 dB Disc
Output Adjust Range	+22 dBu to –20 dBu
Load Impedance	600 ohms
Digital Output	(RCA Jack) SPDIF or IEC-958 Type II
Headphone Output	Stereo
Output Level	7 mW
Load Impedance	33 ohms
Variable Speed Control	$\pm 12\%$ max.
Frame Search Accuracy	1/75 second (CD-DA)
Remote	9P D-Sub (Serial port) 25P D-Sub (Parallel GPI) IR Remote Control Sensor
Power Source	120V AC $\pm 10\%$, 60Hz
Power Consumption	15 W
Installation	19-inch rack mountable (2U)
Dimensions	482 (W) x 88 (H) x 252 (D) mm 19" (W) x 3.5" (H) x 9.92" (D)
Weight	4.7 kg 10.4 lbs

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Denon Electronics • 19 Chapin Road, Building C • Pine Brook, NJ 07058 • (973) 396-0810
Denon Canada, Inc. • 5 - 505 Apple Creek Blvd. • Markham, Ontario L3R 1B5 • (905) 475-4085