

# THE NEW BASIC



**DENON DN-4000F**  
Double CD Player

**Nobody's gonna wanna dance without it**  
**Create new dance scene**



# DENON's DN-4000F: Tomorrow's Equipment for Tomorrow's DJ's!

The range of music available on Compact Disc continues to increase; music with stunning sound quality and unbeatable dynamic range to enhance the aural experience.

But how to create those effects produced by manipulating the turntable? How can we generate the same level of excitement without being limited to vinyl?

Now's the time to try the DN-4000F, DENON's revolutionary Double CD Player.

The DN-4000F is a totally new type of CD player which comes complete with a phenomenal "digital scratching" sound. Simply press the SCRATCH button and the DN-4000F's Digital Microprocessor will be set into action, producing the unique effect of vinyl turntable scratching but with the added realism of digital sound.

DENON CD technology features 18-bit linear 8-times oversampling, and includes the additional special features of a PITCH button (for speed control) and BEAT SHIFT (for phase adjustment).

Now, courtesy of DENON's long experience in digital audio, the CD disco format has come alive.

## FEATURES (available on both decks)

DENON's policy is to respect the freedom of the professional DJ. All controls can be operated manually. The DN-4000F incorporates all the traditional features of current turntables plus additional features unique to CD's.

**SCRATCH:** The DN-4000F is the world's first CD player with a scratch feature to recreate the digital sound produced.

**PITCH:** Play speed of each deck can be varied independently  $\pm 10\%$  to allow a smooth rhythmic cross-fade between tracks.



**BEAT SHIFT:** The beats of one deck can be shifted relative to the other deck to ensure a synchronized down beat cross-fade.

**INSTANT START:** As in DENON's other professional CD players, selected tracks will start up instantly (within 0.03 seconds) when commanded, for spot-on timing.

**SEARCH and SCAN:** Provide audio jog and shuttle controls for location of desired material.

Used to store start up cue points.

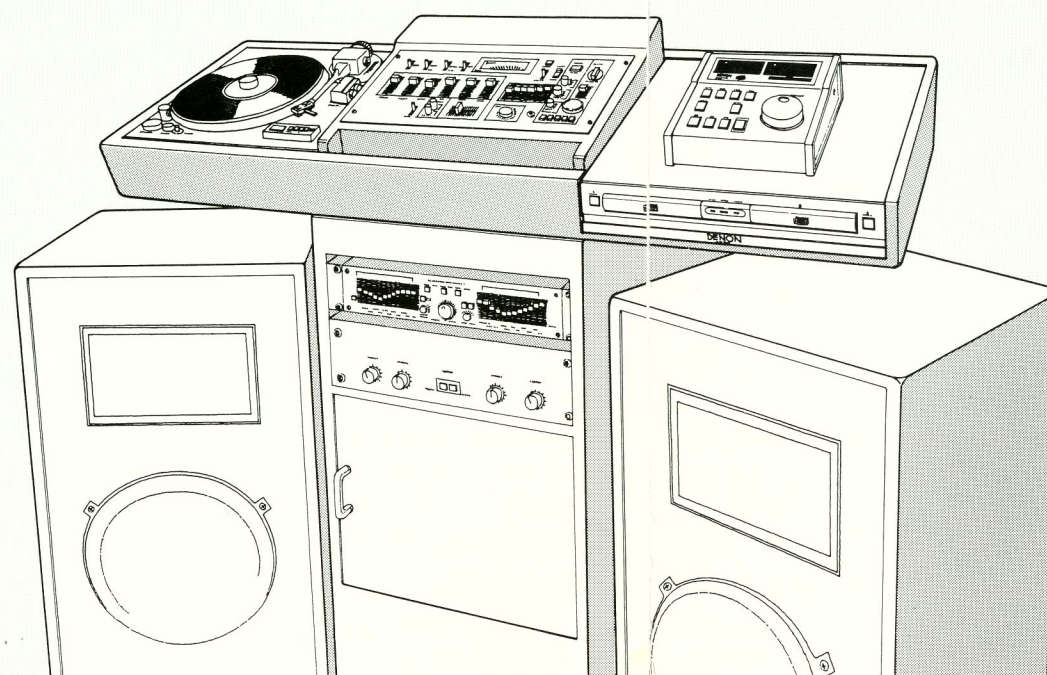
## Sound with Expanded Dynamic Range

Thanks to DENON's highly acclaimed Super Linear Converter, the digital sound from the DN-4000F is, like other DENON CD players, of unusually high quality. The DN-4000F is equipped with 18 bit linear, 8 times oversampling converter and digital filter to produce more than enough sound quality to cover the dance floor.

## Ease of Operation

The DN-4000F consists of a double drive unit, in which two CD's can be loaded, and a compact controller (RC-33). The controller is connected to the DN-4000F via 3 metre cable and is used for all command functions. It is compact enough to be held or operated by one hand, enabling it to be used easily with mixers and other equipment.

The RC-33 contains large function buttons, track and time remaining displays, a "Shuttle Monitor" LED display and a large "Multi Shuttle" continuous rotary dial. The "Multi Shuttle" dial is used for TRACK selection, SEARCH, SCAN, BEAT SHIFT, PITCH control as well as the unique SCRATCH effect, (just press SCRATCH during music playback and then turn the "Multi Shuttle" dial clockwise and anti-clockwise to produce the turntable-like scratching sound).





## **DUAL CD PLAYER FOR PROFESSIONAL DJ'S: DN-4000F**

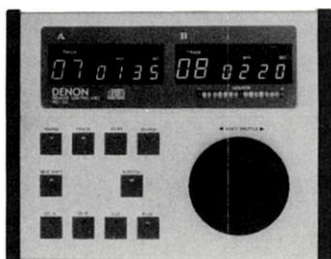
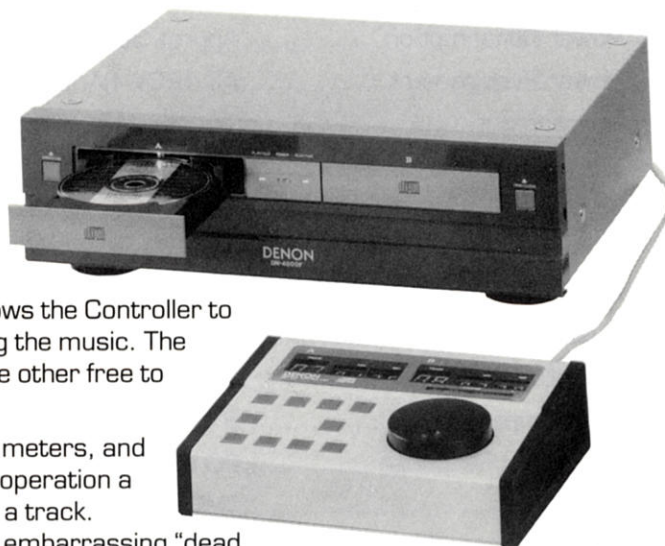
With so much new music released on CD today, how can the professional DJ make the transition from spinning vinyl records to playing CD's smoothly? How can you start playing CD's without sacrificing the control and creativity you had with records? And now that you're ready to retire your turntables, what should you replace them with?

The DN-4000F by Denon is the answer.

In the Pro DJ circuit, the conventional turntable has become something of tool of the trade. Denon is about to change that with our new dual drive CD player. Designed from start to finish with the professional DJ in mind, this may be the only tool you need.

The DN-4000F consists of a Driver unit which accepts 2 CD's, and a Controller. The Controller is connected to the Driver via 10 feet of flexible cable. This allows the Controller to be moved about freely during playback without disrupting the music. The system can be easily operated with one hand, leaving the other free to set microphones or handle mixers.

Large function buttons, illuminated Monitor Level meters, and the oversized Multi Shuttle knob on the Controller make operation a breeze. Just load a disc. Use the Multi Shuttle to dial up a track. Press play. Notice the music starts instantaneously. No embarrassing "dead air". After pressing TEMPO, turn the Multi Shuttle to set the speed of the music. Match the beats of sequential cuts. Keep everyone on the dance floor.



Of course with the DN-4000F, you'll benefit from Denon's years of experience in the refinement of audio. Experience utterly pure, clean sound reproduction. None of the "snap crackle pop" which plagues LP's. And you won't need to tape a penny to the tone arm!

Since the DN-4000F permits complete manual control of the music playback, it won't cramp your style. Work CD's just as you did records. Shift tempos, mix, and thrill your listeners with the unique scratch feature. It's the only CD player designed to allow you to fully display your talents and skills.

### **FEATURES**

**Total Control:** All functions allow complete manual control. You are in command. The DN-4000F offers the same features as turntables—and new features unique to CD players.

**Tempo:** Speed up or slow down your music up to 8% using the Multi Shuttle. This function performs just like the vari-speed on turntables—both speed and pitch are increased or decreased.

**Beat Shift:** The DN-4000F will allow you to shift the speed of sequential selections to match the bass beats, without upsetting the groove.

**Instant Start Time:** Thanks to Denon's advanced digital technology, the music starts instantly when you press the PLAY button. This allows for smooth, natural sounding segues.

**Scratch:** Using the latest digital technology, Denon is able to offer the worlds first "scratch" feature in a CD player. Now you can create a similar scratch effect on CD as you did on vinyl.

**Sound Quality:** Using 18-Bit D/A Converters, 8X Oversampling, and Digital Filters, the DN-4000F will give you a superb sound you simply can't get from turntables.

**Proven Reliability:** Denon's expertise in designing industrial strength CD players comes from our success with the DN-950FA CD Cart Player™, in use in thousands of radio stations worldwide. The DN-4000F borrows from that experience, providing you with a reliable, dependable unit. You'll never again need to worry about the tone arm jumping when an excited crowd gets the floor bouncing. This CD player is designed to survive in a professional environment. Your sound will be superior with the Denon DN-4000F.

# **DENON**

## DN-4000F SPECIFICATIONS

Type .....	Twin Drive Compact Disc Player with Wired Remote Controller
Available Disc .....	Standard Compact Disc (12cm, 8cm)
Dimensions.....	Drive 434W x 185H x 340D (mm) Controller 220W x 55H x 180D (mm)
Weight.....	Drive 5kg Controller 2kg
Power Consumption .....	Approx 30W
Power Requirement.....	AC 120V +/- 10%, 60Hz
Environment.....	Temperature 5 to 35C Humidity 25 to 85%, RH (Non Condensing) Storage -20 to 60C
Safety Standard .....	UL Approved

### AUDIO

Quantization.....	18 Bit Linear
Sampling Frequency .....	44.1kHz
Oversampling Rate .....	8 Times
Frequency Response .....	20 to 20,000Hz
Distortion.....	THD 0.008%
Signal to Noise Ratio.....	92dB or better
Dynamic Range .....	90dB or better
Channel Separation .....	90dB or better
Load Impedance .....	10 $\Omega$ k or more
Output Level.....	1.0V at 0dB disc

### FUNCTIONS

Music Select.....	1 to 99 Selectable with Shuttle
Fast Search .....	Approx 5 to 15 secs per rotation of Shuttle Fast Forward: Clockwise Fast Reverse: Counter Clockwise
Variable Speed .....	+ / - 8% max, 0.1% increments using Shuttle Speed Up: Clockwise Slow Down: Counter Clockwise
Beat Shift .....	Max 1.48 Sec in 10ms Forward: Clockwise Reverse: Counter Clockwise
Scratch Play.....	Range: + / - 0.5 sec

### ACCESSORIES

Connecting Wire .....	10 feet
RCA Cable (L/R).....	2 pcs
Rack Mount Screws .....	6 pcs