

SONY®

Professional Compact Disc Player System

CDP-3000 CDS-3000



Sony's Compact Disc Player System Now Offers Convenient Programmed Play.



The CDP-3000/CDS-3000 is a modular professional compact disc player system with performance comparable to the pace-setting CDP-5000, plus many important new features.

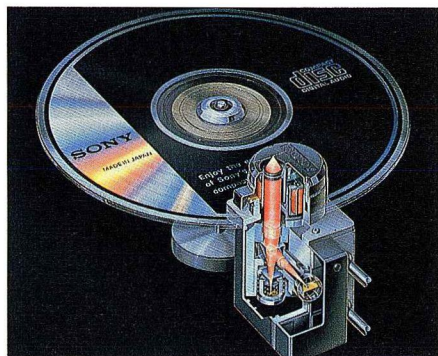
Compact size? You've got it. Instant access and programmed play? They are yours, with the extra convenience of controlling two CDP-3000 players with one CDS-3000 control unit. How about reliability? Day in and day out under the most demanding situations the system will perform perfectly. Now then, budget? No worry. The system is exceptionally cost-effective despite its high performance. Because Sony doesn't just keep up with technology; it is always a step ahead. Whether you are an FM station or a production house considering the introduction of compact disc digital audio, your requirements will be perfectly met in the new Sony CDP-3000/CDS-3000 system.

Separate Player and Control Unit

To increase installation flexibility, the control unit is independent of the player. Only a single cable is required for control interface.

All controls and indications, except the eject button, are functionally arranged on the desk-top control unit. This control unit is also unique in that it can remote control two players. This doubles continuous playing time and provides flexible program selection from two discs. The player selectors are each equipped with indicating lights to show the number and operating mode of the corresponding player. The player is exceptionally compact. Its front-loading design permits mounting of two units side by side in a 19" standard rack.

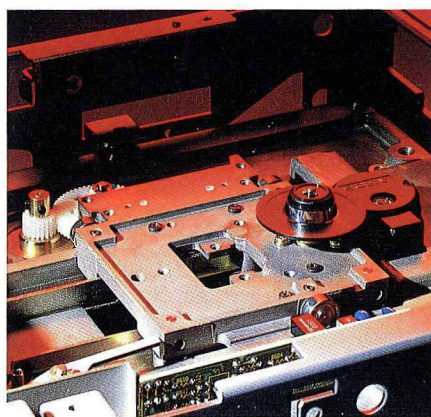
Reliable Player Mechanism



The technical superiority of the player is represented by Sony's original T-type optical pick-up and a mobile disc table rotated



by a BSL motor and sledded horizontally by a coreless motor, both under the precise control of the CPU. This special design, originally developed for our top-of-the-line CDP-5000, offers the stability and durability essential for perfect signal detection as well as instant access. In addition, the aluminum diecast chassis, insulators for the mechanism, and rear-panel anti-shock switch combine to provide extra protection against de-tracking caused by external shocks and vibrations.



10-Key Direct Access and Bi-Directional Search

With the player in the manual or monitor play mode, any point on the disc can be directly accessed with the remarkable precision of 1 frame or 13.3 msec.

You only need specify the desired music track number and time with the 10-key pad on the control unit. Access time is within 2 seconds, less than one-third of that for consumer models.

The search dial offers manual bi-directional

search, while listening to the reproduced sound. With the player in the manual mode, a full 360° turn of this dial corresponds to a 1-second (75 frames) shift on the disc either forward or backward according to the direction the dial is turned. When the dial is turned in the monitor play mode, this shift is between 20 and 60 seconds depending on how fast you turn the dial. The time address located in either way just explained here is automatically registered in the memory as the set time, and monitor play becomes possible before proceeding on to on-line play. Besides, there's also the convenient INDEX key for finding the desired point by index numbers. The index search precision is again 1 frame or 13.3 msec. The NEXT or PREVIOUS key is used for shifting instantly to the beginning of the music piece immediately succeeding or preceding the one in play.

Programmed Play

Using the PROGRAM and SET keys, the players can be programmed for automatic play of up to 8 selections in any order you like. Playback can also be performed manually, with the respective player remaining in the standby mode at the start time of each preset piece of music until the PLAY (or MONITOR PLAY) key is pressed. Even after programmed play has been initiated, you can preset additional selections, if there are memory addresses left unused. The program memory is cleared by ejecting the disc or pressing the PROGRAM key for a second time.

Flexible Monitoring

Headphone monitoring is possible to check whether the start point has been correctly located or to review programmed contents. The on-line signals can of course be monitored. To switch monitoring from

one player to another, the ALT DISPLAY key should be pressed.

Digital Time Display

The control unit has a distinctive 10-digit LED display to give you accurate time information. With the player in the manual or standby mode, the display shows the location of the pick-up in terms of the track number, index, and time in minutes, seconds, and frames. After playing has



commenced, the indications change in accordance with the actual time lapse.

When the REMAIN TIME key is pressed, the display is switched to indicate the remaining time of the music track being played. One of the three display mode indicators above the display illuminates to tell you which time is shown at that moment.

Remote Start/Stop

In addition to line output connectors, the rear panel of each player features a 9-pin remote connector that feeds out playback signals when the player is in the standby or play mode. Because of this connector, the start/stop operation of the player can also be remote controlled with the fader on the control console,

if it's convenient for your studio set-up.

Easy Maintenance

Now, didn't you find this CDP-3000/ CDS-3000 system ideal for your studio? If you are still hesitating, here's the trump card—easy maintenance. No stylus or head to clean. No tracking force to adjust. No physical contact between the laser pick-up and the disc to cause wear. In fact, nothing whatsoever for you to do to keep the system in perfect shape. And because it's digital, music is always brought to life with stunning clarity and realism however many times you play the same disc.

How to Use Program Function

To preset selections

1. Press the PROGRAM key. The program 1 indicator starts flashing.
2. Select the player and put it in the manual or monitor play mode.
3. Find the desired selection using the search dial or 10 keys.
4. Press the SET key. The program 1 indicator now stays lit and the second one starts flashing.

NOTE: The SET key is effective only when the selected player is in the manual or standby mode.

5. Repeat steps 2 through 4. Up to 8 selections from two discs can be randomly preset for programmed play.
6. If you choose less than 8 selections, press the PROGRAM key after the last selection has been preset. Otherwise, this step is unnecessary.

To run the program automatically

1. Press the AUTO/MANUAL key. The start point of the first program will be automatically searched and the standby indicator will be lit.

2. Press the PLAY key for on-line play or the MONITOR PLAY key for monitoring. All the preset selections will be played one after another, with the corresponding program indicator flashing on and off as play proceeds.

To run the program manually

1. Press the AUTO/MANUAL key twice. The start point of the first program will be automatically searched and the standby indicator will be lit.
2. Press the PLAY or MONITOR

PLAY key to start the first selection. The program 1 indicator flashes on and off.

3. When the first selection is finished, the player is put in the standby mode at the beginning of the next preset selection. Press the PLAY or MONITOR PLAY key when you want to start it.
4. Do the same for the rest of the preset selections.

To interrupt play

1. Press the STOP key to advance to the next preset selection from the middle of the one being played.

To add selections to the program

1. Press the PROGRAM key while programmed play is in progress. The program indicator following that for the last preset selection starts flashing.
2. Using the search dial or 10 keys, locate any desired selection on the player which is not playing at that moment.
3. Press the SET key.
4. Repeat the above steps 2 and 3 for the remaining unused memory addresses.



Specifications

CDP-3000

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|--------------------------|--|
| System | Compact disc player system |
| Number of channels | 2 channels |
| Readout system | Non-contact optical system using semiconductor laser pick-up |
| Laser | GaAlAs double hetero junction diode with 780nm wavelength |
| Rotational speed | Between 200 r.p.m. (outer circumference) and 500 r.p.m. (inner circumference) |
| Error correction | Sony Super Strategy Cross Interleave Reed Solomon Code (CIRC) |
| D/A conversion | 16-bit linear |
| Frequency response | 20—20,000Hz, +0.5, -1.0dB |
| Harmonic distortion | Less than 0.01% (20—15,000Hz) |
| Wow and flutter | Below measurable limit |
| Dynamic range | More than 94dB |
| Crosstalk | 90dB (at 1kHz), 70dB (at 20kHz) |
| Access time | Within 2 seconds |
| Audio rise time | Within 0.3 second |
| Outputs | LINE OUT (Cannon XLR-3-32 type, 2 pcs.) + 4dBs (+19dBs max.) 600 ohms, balanced |
| Remote control connector | 9-pin |
| Power requirements | AC100, 120, 220, or 240V, 50/60Hz |
| Power consumption | 30W |
| Dimensions | 213(W) × 93(H) × 471(D)mm (8 ¹ / ₂ × 3 ³ / ₄ × 18 ⁵ / ₈ ") |
| Weight | Approx. 7.2kg (15 lb 14 oz) |
| Supplied accessory | Data interface cable |

CDS-3000

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|------------------------|--|
| System | Control unit for CDP-3000 compact disc player unit (Two units can be connected and controlled at a time.) |
| Control capability | 10-key direct access (track number, index and time in minutes, seconds, and frames) Search dial for continuous bi-directional search Next and previous functions |
| Search precision | 1 frame (13.3 msec.) |
| Remaining time display | ± 1 second accuracy |
| System modes | Stop, Play, Standby, Monitor Play and Manual Search Dial |
| Output | HEADPHONES (stereo phone jack) More than 8 ohms, 20mW + 20mW (at 8-ohm load) |
| Memory | 8 memory addresses for programmed play of up to 8 music selections randomly selected from 2 discs |
| Power requirements | AC120, 220 or 240V, 50/60Hz |
| Power consumption | 20W |
| Dimensions | 334(W) × 101(H) × 233(D)mm (13 ¹ / ₄ × 4 × 9 ¹ / ₄ ") |
| Weight | 3.8kg (8 lb 6 oz) |

**Design and specifications subject to change without notice.*

