

# SONY®

Compact Disc Player

# CDP-2700



# Assured Audio Quality and Performance Suitable for Program Transmission and Sound Sweetening Applications

Compact disc digital audio has been widely accepted as a high quality and easy-to-handle audio format in broadcasting stations and video/film post production houses.

The CDP-2700, a new professional compact disc player from Sony, offers outstanding performance and operational facilities, including digital-to-digital interfacing capability, rapid start, fader start/stop control from a mixing console and variable speed playback.

Professional standards in both its audio quality and operational features come from the enormous experience of Sony in the manufacture of professional digital audio products, from innovative optical devices and LSI technology, and from customer feedback.

The extensive use of the latest devices, combined with a reliable transport mechanism mounted on a rigid, anti-vibration chassis, make the affordable CDP-2700 CD player the natural choice where digital audio superiority is required.

## Features

### Superb D/A Conversion

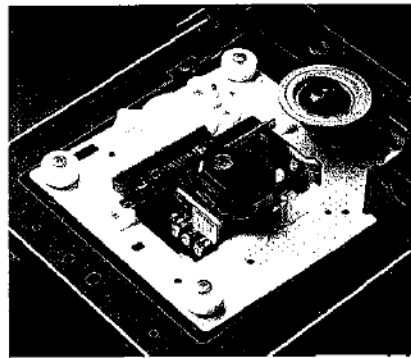
To ensure superb audio performance, the CDP-2700 employs a reliable 18-bit linear D/A conversion system which is extensively used in many professional audio products. For excellent channel separation and low glitch conversion, independent dual D/A converters are used for the L and R channels. These superb D/A converters feature 8-times oversampling in combination with 45-bit noise shaping digital filters for an outstandingly wide dynamic range.

### Reliable Reproduction Mechanism

A RF amplifier and anti-vibration actuator are incorporated in the optical pick-up system. The reliable optical servo system has low power consumption and includes a stable power supply for the servo motors. Noiseless and extremely accurate pick-up of data is assured.

### Accommodates 8cm (3-inch) and 12cm (5-inch) CD

The digitally controlled CLV (Constant Linear Velocity) servo has complete control over the disc rotational speed to give a constant linear velocity. This advanced CLV servo features accurate drive control for both 8cm (3-inch) and 12cm (5-inch) size compact discs.



### Complete Error Correction

The CDP-2700 employs the cross interleave Reed Solomon code which gives virtually noise error correction. Outstanding, six stage error correction is assured by incorporating the most recently developed LSI circuits.

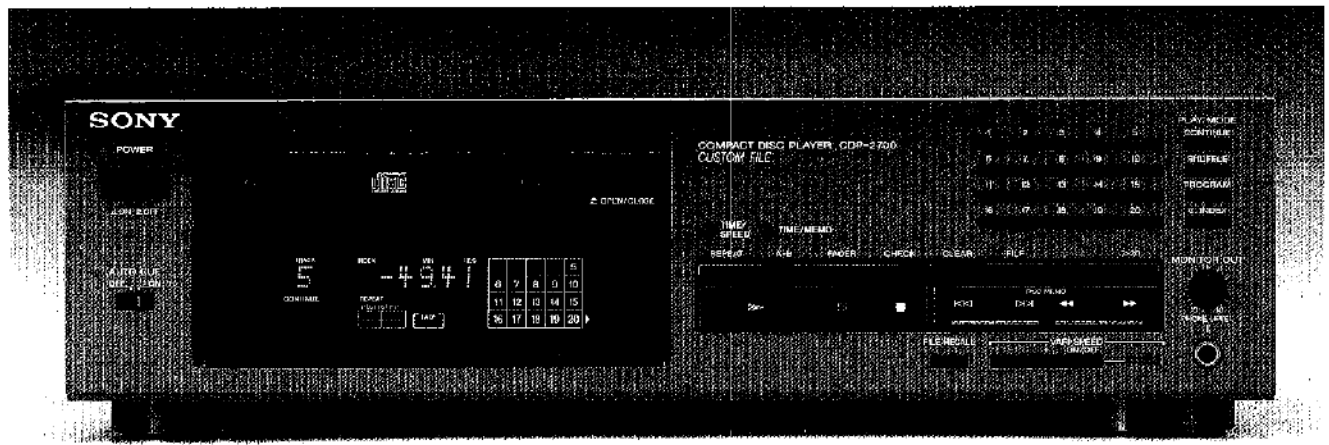
### System Expandability

Digital outputs conform to the AES/EBU and unbalanced IEC-958 formats for a direct connection to professional digital products, such as the PCM-7000 series and the PCM-2700 professional DAT recorders. Both the balanced and unbalanced analog outputs are also provided for easy connection to monitoring equipment.

### Fader Start

Ideal for an on-air application in broadcasting stations, the CDP-2700 can be controlled from a mixing console via





	MODE 1	MODE 2
1	PLAY IN	PLAY/STOP IN
2	STOP IN	IC
3	NC	NC
4	PLAY OUT	PLAY OUT
5	STOP OUT	STOP OUT
6	NC	NC
7	+5V OUT	+5V OUT
8	GND	GND

the built-in DIN 8-pin remote control interface. This connector accepts fader start and stop cues from the mixing console. The CDP-2700 offers two modes of pin-assignments of the connector so that most types of mixing console can be connected.

**Auto Cue Playback**

The CDP-2700 provides a rapid start from a point where modulation is detected on a compact disc. This eliminates the possibility of replaying a part on a disc where no signal is recorded. The rapid start is suitable for on-air application in broadcasting stations and sound sweetening in video/film post-production houses.

**Variable-Speed Playback**

The playback speed can be varied over a range of  $\pm 12.7\%$  in 0.1% steps.

**Digital Fader**

The integrated digital fader allows fade in and fade out functions on analog output signals. The duration of fade in/fade out is variable over the range of 2 seconds to 10 seconds in 1 second steps.

**Programmed Playback**

Automatic playback of up to 24 sections of a compact disc can be programmed in any order chosen by the customer. The programmed playback can be memorized and easily recalled.

**Various Playback Modes**

The CDP-2700 also offers convenient playback modes compatible with consumers CD players, including delete, all shuffle and delete shuffle modes.

**Custom Index**

When no index is recorded on a compact disc, the CDP-2700 can memorize up to ten index points of a disc for the operator's reference. The index point can be easily moved forwards or backwards in 0.15 second steps.

**Last Mode Memory**

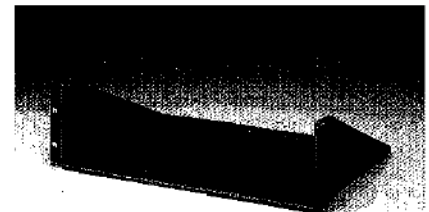
The integrated memory stores information from a disc which has a custom index. For example, setting of playback mode, repeat duration and fade time before the compact disc is ejected can be memorized. These memorized settings can be automatically recalled when the ejected disc is later reinserted.

**Easy-to-Read Large EL Display**

A large EL display shows playback time, playback speed, playback program and memorized mode.

**19-Inch Rack Mountable**

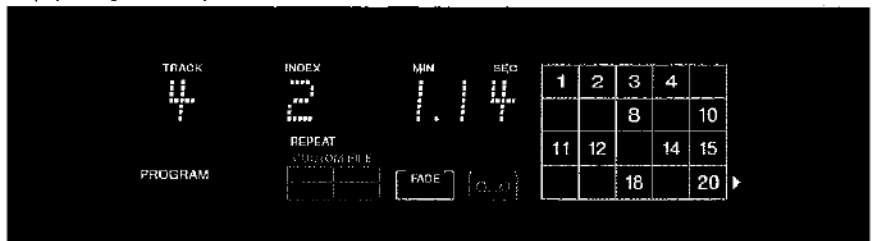
With the supplied rack mount adaptor, the CDP-2700 can be installed in a space saving standard 19-inch rack.



Display of Playback Speed



Display of Programmed Playback



## Specifications

Number of channels:	2 (stereo)
Readout system:	Non-contact optical system using semiconductor laser pick-up
Laser:	Semiconductor laser ( $\lambda = 780 \text{ nm}$ )
Rotational speed:	Between approx. 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:	8 × 18 2DAC 18-bit DF (45-bit)
Frequency response:	20Hz to 20,000Hz $\pm 0.5\text{dB}$
Harmonic distortion:	Less than 0.04%
Wow and flutter:	Below measurable limit
Signal to noise ratio:	More than 110dB
Crosstalk:	100dB
Variable speed range:	$\pm 12.7\%$ (0.1% steps)
Analog outputs:	
Balanced outputs:	0dBs (+15dBs, max.), XLR-3-32 type (× 2)
Unbalanced outputs:	8dBs, Phono (× 2)
Monitor outputs:	8dBs max., Phono
Headphone output:	28 mW at 32 $\Omega$
Digital outputs:	AES/EBU: XLR-3-32 type (× 2) IEC-958 unbalanced: Phono (× 2)
Power requirements:	AC 120V, 60Hz (U/C) AC 220 to 240V, 50/60Hz (EK)
Power consumption:	Approx. 20W
Dimensions:	Approx. 430(W) × 125(H) × 375(D) mm (17 × 5 × 14 7/8 inches)
Weight:	Approx. 10 kg (22 lb 1 oz)
Supplied accessories:	19-inch rack mount adaptor AC power cable
Optional accessory:	ECD-3C/10C/30C digital audio cable

\*0dBs=0.775V r.m.s.

\*Design and specifications subject to change without notice.

## Optional accessory



Digital audio cable  
ECD-3C/10C/30C

Distributed by