

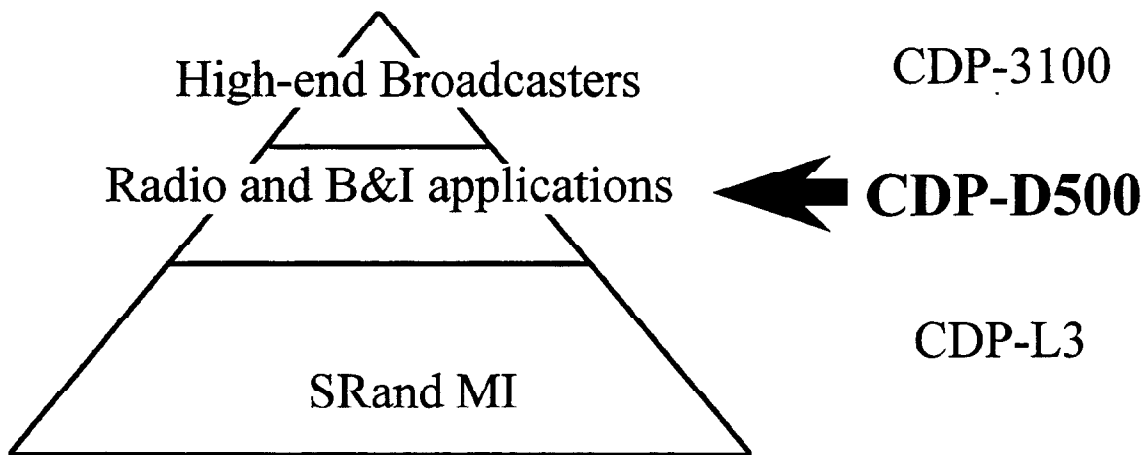
CDP-D500

Compact disc player

Product Concept & Target Application

*Professional CD play back machine with external sync capability
for radio broadcast*

*Sound effect play back machine with index cueing capability for
sound reinforcement and other B&I applications*



Features & Benefits

- **Precise cueing by CD frame unit**
The rehearsal function allows for precise cueing via the jog dial.
- **Last cue memory function can be utilized by cue/stdby button.**
This allows you to locate back to a specific point on the disc.
- **Built-in word sync input with broad lock range(44.1kHz±12.5%)**
This allows full integration of the CDP-D500 into a digital production system by referencing the clock source of the D500 to a master clock source.
- **CD TEXT compatible**
This makes various CD TEXT information (disc title, track title etc.)can be read out from built-in RS232C port.
- **Index cueing capability**
Allows not only cueing to tracks of a CD, but also index points within each track
- **Auto cue playback for rapid start from a point where audio is detected (signal detection threshold level is adjustable) on the disc.**
If there is either blank spot in the beginning of a track or if an intro. is too gradual, you can automatically cue up to a certain audio level and pause.
- **Built-in DIN 8pin remote control connector**
Allows fader start/stop from a mixing console.
- **Adjustable (1~9 seconds)auto fade on front panel.**
This allows for a natural fade in or out of audio in effect creating a newer track within a track.
- **Direct track access on front panel.**
This lets you punch in the desired track number directly instead of turning dial or continually pushing a cursor button.

Technical Advantage

1. CD TEXT

CD TEXT is a feature added to the conventional compact disc digital audio format (appended as chapter 5.8 of the Red Book) by Sony and Philips, which enables the delivery of text information to the users.

The new feature has been requested by record companies to facilitate the management on multi-CD changer models, which represent a growing sector in the CD player market, and future CD Players will be equipped with CD TEXT decoding and displaying capability.

Text information can be such data as album title, artist name, track titles, messages, genre information, songwriters, performers, composers, arrangers, POS code, etc., and can be applied in combination with other CD formats like CD-EXTRA and CD-Graphics which has CD-DA data in the first session.

The application of the CD-TEXT are;

1. Disc management on multi-changer CD players
2. Promotion at the record stores by displaying album name, artist name, message etc.
3. Source for text information at FM multiplex broadcast stations or digital satellites.

Text information is recorded into the unused portion of the Lead -In Area (Subcode r-w) of the disc, which typically may contain up to approximately 5,000 characters (in single-byte character code). Text information may be extended into the Program Area, should more text information is required for enhanced application such as lyrics or still pictures.

CD TEXT maintains forward and backward compatibility with the existing audio CDs, enabling all conventional audio CD players to playback the music portion of the CD TEXT disc.

CDP-D500 has CD TEXT compatibility. In the protocol of RS232C port, Some

commands for CD TEXT are supported.

1.) DISC NAME SENSE (057h)

Allows to read disc title.

2.) CURRENT TRACK DATA SENSE (059h)

Read CD TEXT information on current track

3.) PRESET TRACK DATA SENSE (05aH)

Read CD TEXT information on the track preset by Track No. Preset command (023h)

4.) CD TEXT SCAN MODE PRESET

Acquire specific data block of CD TEXT information at the disc insert.

These commands makes various CD TEXT information (disc title, track title etc.) can be read out from built-in RS232C port.

This format specification has been distributed to CD licensees in '96. CD TEXT titles are started to release in the market. In response to this CD TEXT format growth, We can easily expect customer needs of data reader for disc management on multi-changer CD players in radio WS. Before that, we can also expect the needs of CD TEXT data checker for record companies, productions and CD factories.

For our CDP-D500, we have CD TEXT data check software (MS-DOS) for verifying between master data and data on the CD TEXT disc.

This freeware has been distributed to each sales company from HAV Co. About the availability, Please contact with Product Manager in each sales company.

* RS-232C serial Communication Protocol is published as " Service manual supplement-1" of CDP-D500. Parts No. : 9-960-809-81

Specifications

Audio Characteristics

Frequency Response:	5Hz20,000Hz +0.3dB (at 10kilohms)
Signal-to-Noise ratio:	More than 100dB(20,000Hz LPF IHF-A Weight)
Dynamic Range:	More than 98dB
Total Harmonic Distortion:	Less than 0.004% (at 1kHz 0dB 20kHz LPF)
Channel Separation:	More than 100dB (at 1 kHz 20kHz LPF)

Input / Outputs

Analog Output:	XLR-3	RCA Pin	H.P.(RCA Phone)
Output impedance	100ohm	200ohm	150ohm
Maximum Output Level	+24dBu	+9dbu	15mV
Load Impedance	10kohm	10kohm	32ohm

Digital Output:	AES/EBU(XLR-3)	IEC958(RCA Pin)
Output impedance	50ohm	75ohm
Adaptable Load Impedance	110ohm	75ohm

Word Sync Input

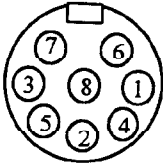
Input Impedance	22kohm/75ohm Switchable (BNC)
Input Level	2V p-p (TTL)
Lock Range	44.1kHz+12.5% (38.59kHz49.6kHz)

Remote Interface	Parallel DIN 8 pin (2 mode) / Serial RS232C(D-sub 9-pin)
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General

Power requirements:	U.S., Canada	Europe
	120V AC,60kHz	230V AC, 50/60kHz
Power consumption:	16W	
Dimensions(Approx.):	482(W)145(H)335(D)mm (19 7/8 14 7/8 inches)	
Weight:	Approx. 7.1kg	

Remote (8P) connector pin assign



Pin assignment

Pin number	Mode 1	Mode 2
1.	Play command in 	Play / Stop command in
2.	Stop command in 	Pause command in
3.	NC	Back cue command in
4.	Play status pit 	←
5.	Stop status pit 	←
6.	NC	←
7.	+5V out	+5V out
8.	GND	GND

Supplied Accessories

Wireless Remote Commander RM-D500 x 1

AC power cord x 1

Screws(M5 x 12) x 4

Decorative washers x 4

Operation manual x 1