

# LD-V4300D

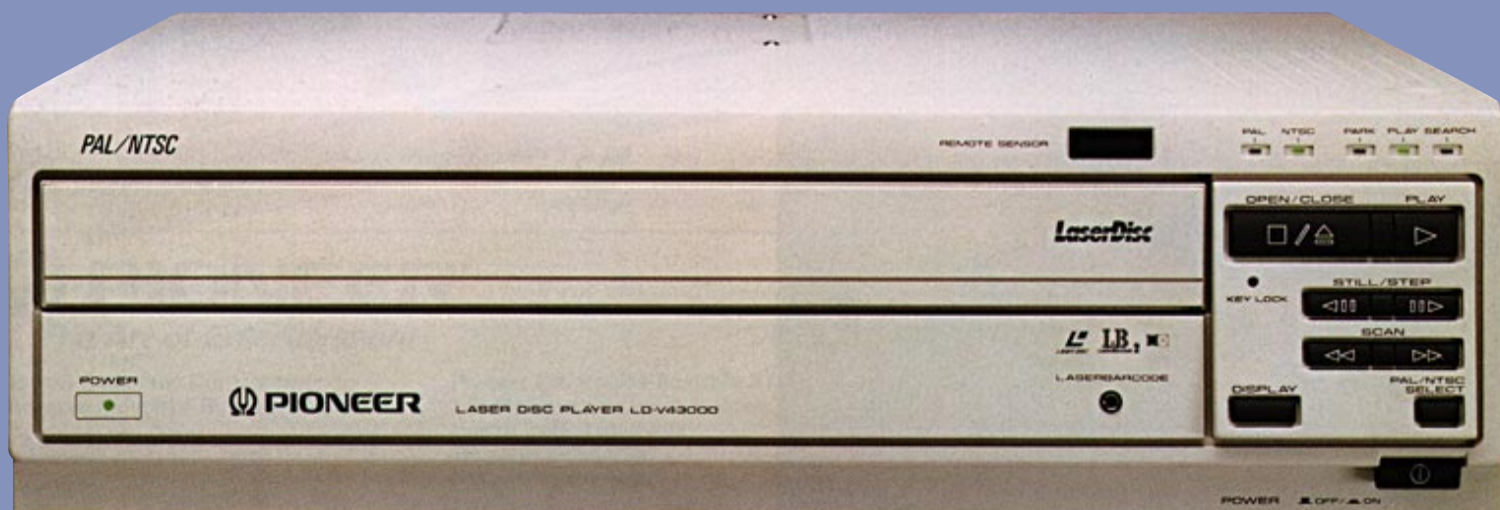
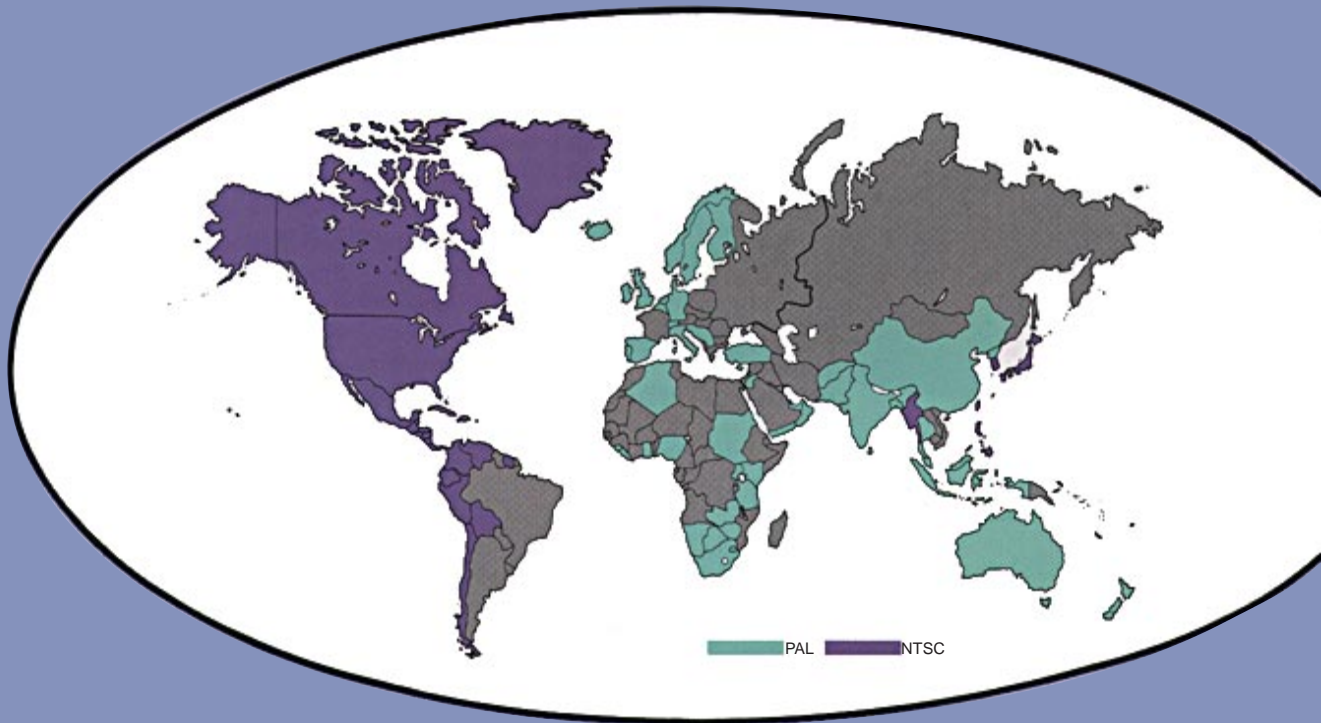
**DUAL STANDARD PLAYER**

**Industrial LaserDisc™ Player**



# *Designed for Exceptional Versatility and Convenience*

*Pioneer designed the LD-V4300D to make it easier than ever to use LaserDiscs for a broad variety of business, industrial and educational purposes, and to give you access to a greater range of software applications. A number of practical new features are incorporated, including the LaserBarcode system. The player is compatible with both PAL and NTSC video formats, meaning that American, Japanese and European developed LaserDiscs can be used. As befits Pioneer's top-line LD player, performance (video, audio and access time) is superb. Whatever your intended applications, they will run more smoothly and be much more effective with the LD-V4300D.*





RU-VI03(option)

- PAL/NTSC Compatibility
- High Speed Access
- Multi Track Jump
- Digital Audio
- External Sync Lock (V&H Lock)  
(CAV only)
- RGB Out

## PAL and NTSC Compatibility

In addition to being able to play discs recorded in the PAL format, the LD-V4300D will also accept discs in the NTSC format\* used in the U.S.A., Canada, Japan and other countries. This greatly increases the range of available software, including the many interesting applications being developed in America.

## High Speed Access (Less than 1.0 sec. CAV)

If your application requires repeated and rapid access to various parts or points of a disc, then search speed will be very important. A variation of "only" a few seconds can make the difference between smooth, pleasant use and increasing frustration over time. Thanks to a new linear motor, the LD-V4300D has extremely fast access time; end-to-end frame search is accomplished in just one second for CAV discs. This is faster than any other LD players in this class.

## Multi Track Jump

The Multi Track Jump improves access even further. This feature allows the optical pickup to precisely reach another frame on CAV discs in a very short time without error. If the target frame is within 100 tracks, then video is continuously output during this fast search. With specially designed discs, short accesses can appear almost instantaneous.

## Digital Audio

The LD-V4300D is capable of reproducing high quality digital sound, equivalent to that of a compact disc player.

## External Sync Lock (V&H Lock/CAV only)

Though the Sync-in port on the rear of the player, an external composite sync signal can be applied. Video output will then be synchronized to the input and no image disturbance will occur when video sources are switched. This facility is useful in studio applications and when a number of players are used together.

## RS-232C Interface

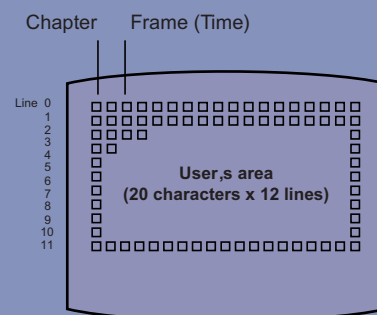
Connection to a wide range of computers is possible through the RS-232C serial interface. Using Pioneer standard RS-232C protocol, the interface is implemented through a 15-pin connector common to the CLD-V2300D and LD-V8000 (Pioneer Standard). Cables and controllers developed for these LD players are directly compatible.

## RGB Output Terminal

RGB output signals are provided to allow full advantage of the superb video quality of this player. This type of output is suitable for large screen displays and high quality image mixing systems, as well as input to some computer systems.

## Full Screen Text Overlay

The LD-V4300D can display 12 lines of 20 characters, upper and lower case, from an extensive European character set. Text can be displayed over still frame or full motion video, or alternatively over a simple blue or black background. Subtitling, constantly updated pricing information, help messages, menus and prompts are all immediately possible.



## LaserBarcode System

This is an innovative, simplified system of remote control utilizing barcodes and a scanner pen. When the handheld scanner is moved across a barcode, the LD-player instantly executes the playback commands encoded in that barcode. Education, training and presentation sessions will go faster and more smoothly when you can command the LD player with a wave of your hand. There is currently a wide range of education-use software available on the NTSC format which is compatible with the LaserBarcode system.



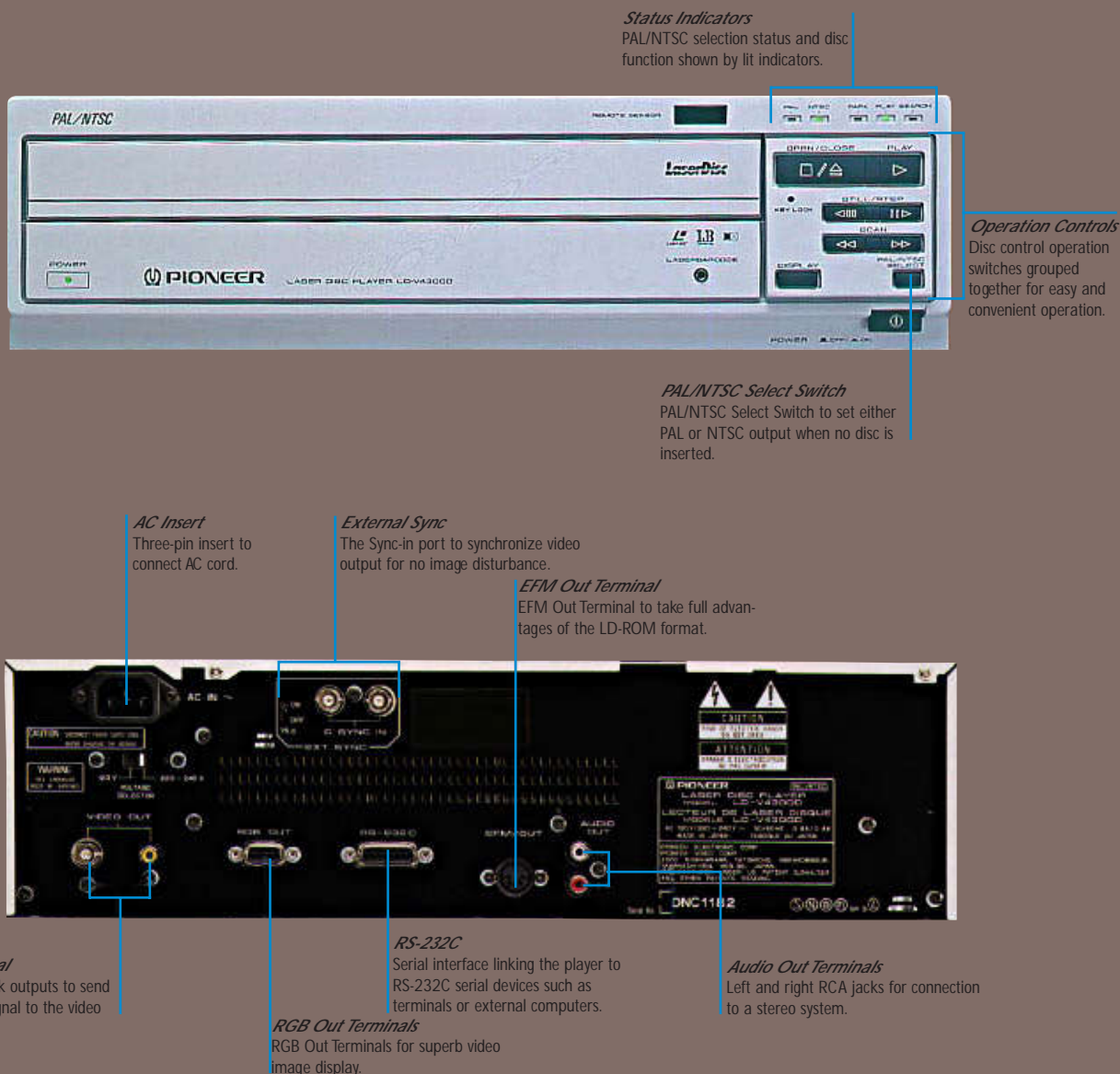
## Wireless Remote Control

A full-function remote control unit is optionally available with the LD-V4300D. This wireless handset gives you freedom of movement when doing presentations and demonstrations. Alternatively a wired remote control unit can also be used. Ideal for school and other education-related applications, even people who experience difficulty in operating equipment will find this unit easy to use.

## Other Features

- n Full Auto Disc Loading
- n Rack Mountable
- n BNC and RCA Video Out Terminals (BNC X 1/RCA X 1)
- n 5 Status LED's on Front Panel
- n External Control Jack on Front Panel

\*Note: An NTSC compatible monitor is necessary for viewing NTSC discs.



## LD-V4300D Specifications

General	
Type	LaserDisc Player
Mechanism	
Slider mechanism	Linear motor with auto lock with position sensor
Loading mechanism	Full automatic with magnetic type clamper
Others	Rack mountable
Power requirement	
Primary power	120 Volts $\pm$ 10%, MAX 0.8A, 50/60 Hz (Actual $\pm$ 15%) 230 Volts $\pm$ 10%, MAX 0.4A, 50/60 Hz
Power connector type	Inlet 3 prong plug
Power consumption	46 Watts (Typical) 80 Watts (Max.)
Others	Double pole switch
Environment	
Operating temperature	5°C~ 35°C
Operating humidity	5%~90% with no condensing
Size	420(W) x 433(D) x 125(H) mm excluding I/O terminals and buttons
Weight	12.6 kg
Playable discs	
Signal type	PAL and NTSC (No PAL/NTSC Conversion)
Size, Type	8 inch, 12 inch CAV & CLV
Video Signal	
Output level	1 Volt p-p $\pm$ 10% 75 terminated
Frequency response	4.1 MHz, -6 dB (NTSC) 4.8 MHz, -6 dB (PAL)
S/N ratio	48 dB (NTSC) 43 dB (PAL)
Horizontal resolution	420 lines (NTSC) 435 lines (PAL)
Audio	
Output connector	1 pair of RCA pin jack Auto Digital
Digital Audio	
Output level	200 m Volts $\pm$ 15% at -20 dB
S/N ratio	100 dB
Frequency response	20 ~ 20 kHz $\pm$ 1 dB
Analog Audio	
Output level	200 m Volts $\pm$ 15% at 40% modulation
S/N ratio	72 dB
Frequency response	20 ~ 20 kHz $\pm$ 2 dB
Operating Time	
Loading time	Less than 5 sec.
Un-loading time	Less than 5 sec.
Spin up time	Less than 20 sec.
Stop time	Less than 6 sec.
Frame search 1 ~ 54,000	1.0 sec. (nominal)
Time search 5 min. ~ 55 min.	Less than 6 sec.
External Sync Input	
Signal type	Composite Sync (H sync and V sync only) No Sub carrier, CAV only
Input level (Loop through)	0 to -4.0 Vp-p $\pm$ 0.5 V 75 $\Omega$
Pedestal level	0 $\pm$ 1 Volt DC level
Control Inputs	
RS-232C Serial Interface	
Connector type	D-sub 15 pin
Baud rate	9.6k/4.8k/1.2k bps
Command protocol	Standard Pioneer
Remote Control Unit (Option)	
Connector type	Stereo mini jack
Connection	Wired or Wireless
EFM Output	
Connector type	5 pin DIN
RGB Output	
RGB video output	0.7 Vp-p 75 $\Omega$
External sync output	0.3 Vp-p 75 $\Omega$
Functions	
User's display	20 character x 12 lines with European font
LaserBarcode	UC-V109BC(Option), UC-V108BC(Option)
Function switch	Soft switch

Note: Specifications and design are subject to possible modifications without notice due to improvements.

## Options

### Barcode Reader

#### UC-V109BC

This slim and easy-to-use barcode reader features a built-in remote control function to enable wired or wireless operation.



#### UC-V108BC

Designed for easy, one-step scanning, this handy barcode reader is equipped with a built-in remote control function that allows you to choose between wired and wireless operation.



### Barcode Authoring Software

Contact your dealer for barcode printing software.

### Interface Cables

#### CC-03

DB-15 male to DB-25 male.  
For Apple II Super Serial card and IBM PC 25-pin connector.

#### CC-13

DB-15 male to DB-9 female.  
For IBM PC/AT style 9-pin connector.

#### CC-04

DB-15 male to circular 8 pin.  
For Macintosh and Apple II GS.

**LaserDisc™**

LaserDisc is a trademark of Pioneer Electronic Corporation.



This mark is the world-wide Laserdisc mark.



This mark expresses compatibility with the LaserBarcode systems.

#### CONTACT

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