

Pioneer LaserBarcode™ System

The simplest way to bring multimedia to Education, Training and Corporate Presentations.

The Pioneer LaserBarcode System is the most effective way to bring the benefits of Laser Discs and CD audio discs to your presentation. It's simple, flexible and allows you to get the maximum value from commercial laser discs with pre-printed barcodes. Making player control as easy as a word of your hand, LaserBarcode is perfect for classroom teachers, trainers or students.

The LaserBarcode System consists of a Pioneer LaserBarcode™ player, barcode reader and LaserBarcode. By simply tracing the LaserBarcode pen over the pre-printed barcodes, the player can be instructed to perform many simple and complex functions.

The original LaserBarcode format standardized on barcodes for controlling CAV (standard play) laser discs. With the commands encoded in a LaserBarcode, one can easily locate any frame or chapter on a disc. Commands include searching for specific chapters, locating and playing video still frames and motion sequences, as well as selecting the correct audio channel. And with software available to create your own barcodes, customizing is an easy option. All current Pioneer LaserBarcode players can be operated with the LaserBarcode system.

The LaserBarcode standard has been extended to encompass an even wider range of commands — including control of CLV (extended play) laser discs. The extension is called LaserBarcode2 and has two new marks to indicate compatibility. Pioneer LaserBarcode players capable of receiving these commands carry this mark. The barcodes themselves, also, will be appended with a 2 to signify that they are part of the extended command set.

The LaserBarcode2 extension permits an instructor to use barcodes to control special effects such as slow motion or CAV discs. For CLV discs, LaserBarcode2 makes possible time searches and time assignment plays. So with LaserBarcode2, it's now possible to achieve the same kind of precise control of CAV discs that was previously only possible with CAV discs. This means that thousands of live-action films, musical performances and instructional programs can now be made highly interactive.



BCII/CD Bar Code CD
Bar Code CD provides all the same power of interactivity to teaching and learning with CD audio discs. The Pioneer CLD-V2400 LaserDisc player can play CDs and control them with Bar Code CD commands. With Bar Code CD, an instructor or student can directly access any track or index on a disc quickly and with complete accuracy. By playing a time assignment, a user can hear any portion of a disc with precision to the nearest eighth of a second — fine enough to isolate a word of speech or a note of music.

- Barcode offers the following benefits:
- Random Access that is easy and fast
 - Remote control without fumbling
 - Hundreds of Education discs with barcoded guides.
 - Valuable Interactivity for Corporate training and presentations
 - Easy creation of new barcodes for existing discs or lesson plans
 - Integrated learning materials from textbooks and audio

UC-VI08BC

Autoscanning Barcode Reader

The UC-VI08BC is the ultimate barcode reader for ease-of-use and control of Pioneer LaserDisc players. With it, one can combine the simplicity of the LaserBarcode system with the most useful direct controlling features of a remote control. A unique automatic scanning feature allows a user to successfully scan a barcode every time.

The automatic scanner traces the barcode while the reader itself is held stationary. This ensures consistently successful scans. The remote control buttons are located on the barcode reader handle. All of the most frequently used functions are included: Play, Pause, Still Frame/Still Advance and Reverse, Scan Forward and Reverse, Chapter Skip/Track Skip, Audio Select and Display. Together, the barcode capability and remote functions provide control of the pace and content of instruction from up to 25 sec. away.



UC-VI09BC

Barcode Reader
Just scan and command!

This is the latest addition to the Pioneer Barcode line-up. The UC-VI09BC takes advantage of some of the best features of its predecessors. The pen-like shape makes it easy to hold, even for small hands. And its improved scannability makes it even more ideal for uncontrolled control of the Pioneer LaserBarcode player.

In addition, the most frequently used remote commands have been built in. The user can now direct the player to play, pause, scan forward/advance, chapter and track skip (commands by simply holding the "Head" button). The command is automatically sent to the player if the reader is held to the LaserDisc player. Pressing the send button in



the wireless mode will transmit the barcode command via an infrared beam up to a distance of 25 feet.

The UC-VI09BC can be used wired or wireless with any Pioneer LD-V2000, CLD-V4000, LD-V4000 or LD-V6000 LaserBarcode Player and LaserBarcode, LaserBarcode2 and Bar Code CD compatible.

Key features of Pioneer Barcode Readers UC-VI08BC and UC-VI09BC:

- Extremely lightweight
- Easily operated by users of any skill level
- No computer necessary
- Wired or wireless operation
- Many convenience packages, textbooks and training manuals are now published with barcodes
- Compatible with LaserBarcode, LaserBarcode2 and Bar Code CD

LBC-NC3

Bar'n'Coder Version 3J
For Macintosh Users

Bar'n'Coder 3J software was created especially for use with the Pioneer LaserBarcode System. New with Version 3J, it allows you to make barcodes to control CLV laser discs and CD audio discs.

Many options and commands are available including chapter searches, frame searches, play frames, digital or analog search on or off, and audio channel selection. To make a barcode, merely input the desired frame numbers, enter a laser disc or time codes from a CD or CLV laser disc, select from several command menu screens and input two to ten barcodes to the computer. Codes can be developed with the player connected to the computer, allowing for a "hands-on" with any Pioneer LaserBarcode player.

Bar'n'Coder 3J uses any Mac-compatible printer. Barcodes can be saved to separate Hierarchical disks which conform to page layouts for Avery labels. Mac and IBM compatible disks.

Hierarchical disks can also be used to "cut and paste" or print out labels, perfect for outstanding lesson plans or training materials.

- Easy to use
- Creates barcodes for laser discs and audio discs
- Developed for users of any skill level
- Leads you through the program step-by-step
- Allows you to exercise your creativity
- Uses any Mac-compatible printer
- Makes barcodes compatible with LaserBarcode, LaserBarcode2 and Bar Code CD

LBC-DOS3

LaserBarcode Controller Version 3.0
For DOS Users

Developed especially for the DOS system, this software package allows you to easily create barcodes to accompany any laser disc or CD audio disc. The DOS 3.0 Disk-Drive menu to create and save up to 999 presentations. Each presentation can have up to 999 barcodes traced. LaserBarcode, LaserBarcode2 or Bar Code CD commands can be developed with up to 3 lines of descriptive text, then referenced, printed directly, saved or stored in a word processed document. An automatic format has been included for printing onto 1" or 2" standard labels.

The program consists of a main menu which lists the most often used system capabilities, including barcode generation. The

Direct Mode sub-menu allows you to directly control a connected LaserBarcode player from the computer, greatly facilitating presentation development. The LBC-DOS3 menu allows the user to customize the Pop-up Help menus, Help Screens, Menu Option Screens and Data Entry Screens, as well as select preferred program color scheme.

LaserBarcode Controller will work with any IBM PC/XT/AT, PS/1, PS/2, or 100% IBM compatible computer with a DOS operating system of 3.1 or higher. It requires 512K RAM or higher. The barcodes can be printed on an IBM/Pro or Hewlett Packard compatible printer also to save graphics.

LBC-WIN1

Barcode for Windows Version 2.0

This is an extremely versatile barcode generating program designed to run under Microsoft Windows 3.11's highly visible, easy to install and even easier to use. Programmer creates barcodes for use with LaserBarcode, LaserBarcode2 and Bar Code CD standards, giving the user a wide range of options for utilizing CAV and CLV laser discs as well as CD audio discs.

In addition to standard commands, Barcode's LaserBarcode2 capability gives you options for special effect editing, such as slow reverse play. A Custom format has been included, extending Barcode's usefulness into the future. Any new commands that will be added to the

LaserBarcode Adaptors

LaserBarcode can be used with all the Pioneer LaserBarcode players listed below. Although some earlier models may require an adaptor. The LBA-15 and the LBA-25 LaserBarcode Adaptors connect easily to the RS-232C port of the designated Pioneer LaserDisc

players. With the adaptor, the player can receive commands from this LaserBarcode scanner in either wired or wireless operation. The LaserBarcode adaptors do not support the LaserBarcode commands.

Capability	LD-V2000 (no interface)	LD-V2000 (interface)	CLD-V2000	CLD-V250	LD-V2000 (interface)	LD-V4000	LD-V8000 (interface)	LD-V9000	LD-V2000
LaserBarcode	Yes (YI08BC only)	Yes	Yes	Yes	Yes	Yes with adaptor LBA-15	Yes with LBA-25	Yes (see note)	Yes with LBA-15
LaserBarcode2	No	No	Yes	Yes	Yes	Yes	Yes	No	No
Bar Code CD	No	No	Yes	Yes	No	No	No	No	No

Note: LD-V2000 players with serial numbers greater than A22000070 (after December 1991) are built-in LaserBarcode capability. All others require adaptor LBA-15. Alternatively, these players can be updated by contacting Pioneer Electronics Service and requesting an upgrade kit.

Note: LD-V8000 players with serial numbers greater than K50912376 (after August 1982) have built-in LaserBarcode2 capability. LD-V2000, earlier than this model can be updated by contacting Pioneer Electronics Service and requesting an upgrade kit.

East
Pioneer New Media Technol., Inc.
600 East Crescent Avenue
Upper Merion, Pa. 19198-1027
Tel: (215) 327-6000
Fax: (215) 327-6079

West
Pioneer New Media Technol., Inc.
2285 East 39th Street
Long Beach, CA 90804
Tel: (714) 592-3111
Fax: (714) 592-3111

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LBA-15 LaserBarcode mark expresses compatibility with LaserBarcode system.
LBA-25 LaserBarcode mark expresses compatibility with LaserBarcode2 format.
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