















# LaserBarcode 2 Commands & Logo (cont.)

## LaserBarcode 2 Sample Barcodes

### Original LaserBarcode Independent Commands

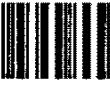










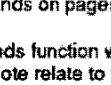
Play		Plays the videodisc inserted in drawer.
Audio Off		Sets Audio OFF.
Analog Audio 1/Left		Sets the audio control attribute to "analog channel 1," plays back analog left channel only.
Analog Audio 2/Right		Sets the audio control attribute to "analog channel 2," plays back analog right channel only.
Analog Audio Stereo		Sets the audio control attribute to "analog stereo," plays back left and right analog audio channels simultaneously.
Video Off		Sets Video OFF.
Video On		Sets Video ON.
Pause		Pauses playback, displays a squelch screen.
Step Forward (CAV Only)**		Steps forward one frame at a time.
Step Reverse (CAV Only)**		Steps reverse one frame at a time.
Reject/Spin Down		Spins down and parks disc, displays a squelch screen.
Marker Clear		Clears, and plays through stop marker. *
Debug On		Instructs player to maintain various player settings so barcodes can be tested. *
		Turns debug feature OFF.

\* See text description of Original LaserBarcode commands on pages 6 and 7.

\*\* Step Forward and Step Reverse barcodes can also be used with CLV discs played on the LD-V8000.

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# LaserBarcode 2 Commands & Logo (cont.)

<b>LaserBarcode 2 Sample Barcodes (cont.)</b>		
<b><i>Extended Independent Commands</i></b>		
Start		Instructs the player to spin up the disc from a park position and pause at frame 1 (CAV discs) or at time number 0:00:00 (CLV discs) with video squelched.*
Digital Audio Stereo		Sets the audio control attribute to "digital stereo," plays back left and right digital audio channels simultaneously.
Digital Audio Ch 1/L		Sets the audio control attribute to "digital channel 1," plays back digital left channel only.
Digital Audio Ch 2/R		Sets the audio control attribute to "digital channel 2," plays back digital right channel only.
Slow Forward 1 (CAV)**		<b>Slow Forward 1</b> - Instructs the player to play forward at 1/4 the normal speed.
Slow Forward 2 (CAV)		<b>Slow Forward 2</b> - Instructs the player to play forward at 1/8 the normal speed.
Slow Forward 3 (CAV)		<b>Slow Forward 3</b> - Instructs the player to play forward, displaying 1 frame / second.
Slow Forward 4 (CAV)		<b>Slow Forward 4</b> - Instructs the player to play forward direction, 1 frame / 3 seconds.
Slow Reverse 1 (CAV)		<b>Slow Reverse 1</b> - Instructs the player to play in reverse at 1/4 the normal speed.
Slow Reverse 2 (CAV)		<b>Slow Reverse 2</b> - Instructs the player to play in reverse at 1/8 the normal speed.
Slow Reverse 3 (CAV)		<b>Slow Reverse 3</b> - Instructs the player to play in a reverse direction, 1 frame / second.
Slow Reverse 4 (CAV)		<b>Slow Reverse 4</b> - Instructs the player to play in reverse, 1 frame / 3 seconds.

\* See text description of Extended LaserBarcode commands on pages 7 and 8.

\*\* **NOTE:** The Slow Forward and Slow Reverse commands function with CAV discs only. The Slow Forward and Slow Reverse playback speeds described in this Application Note relate to the playback speed of Pioneer players only. These Slow Forward and Slow Reverse barcode commands may execute differently on other manufacturer's players. The LB2 format allows the following range of speeds for these commands:

- Slow Forward or Reverse 1 = 1/4 to 1/3 speed;
- Slow Forward or Reverse 2 = 1/12 to 1/8 normal speed;
- Slow Forward or Reverse 3 = 1 frame per second;
- Slow Forward or Reverse 4 = 1 frame every 2 or 3 seconds.

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# LaserBarcode 2 Commands & Logo (cont.)

## LaserBarcode 2 Sample Barcodes (cont.)

### Original LaserBarcode Search Commands

Frame Search (CAV only)



Search to Frame 1000

Chapter Search (CAV & CLV)



Search to Chapter 2

### Extended LaserBarcode Search Command

Time Search (CLV)



Search Time 0:34:56

2

### Original LaserBarcode Segment Play Commands

Frame Segment Play (CAV only)

In this example, Analog Audio Stereo is ON.



Play from Frame 1000 to Frame 1200

Chapter Segment Play (CAV & CLV)

In this example, Analog Audio Stereo is ON.



Play from Chapter 2 to Chapter 5

### Extended LaserBarcode Segment Play Commands

Time Segment Play (CLV)

In this example, Audio is OFF



Search to Time number 0:23:45, play to 0:34:56

2

Special Effects Segment (CAV)

Frame segment play at  
Speed 1, 2, 3, or 4 —  
in forward or reverse.



Play from Frame 4000 to 5000, at Speed 2

2

*The LB2 sample barcodes were created using Pioneer's  
Bar'n'Coder 3.0 software for the Macintosh.*