

**Mnemonic Commands for Pioneer Industrial Videodisc Players**

Models LD-V8000, LD-V4400, CLD-V2400, LD-V2200, LC-V330, LD-V4200

 Note: Refer to player specific *Pioneer's User's Manual / Programmer's Reference Guides* for detailed command descriptions

Command	Mnemonic	CLD-V2600					
		LD-V8000	LD-V4400	CLD-V2400	LD-V2200	LC-V330	LD-V4200
<b>Player Control Commands</b>		LD / CD					
Door Open	OP	/	/	//	/	N/A	N/A
Door Close	CO	/	/	//	/	N/A	N/A
Reject	RJ	/	/	//	/	/	/
Start	SA	/	/	//	/	/	/
Play	(Address) PL	/	/	//	/	/	/
Pause	PA	/	/	//	/	/	/
Still	ST	/	/	/ -	/	/	/
Step Forward	SF	/	/	/ -	/	/	/
Step Reverse	SR	/	/	/ -	/	/	/
Scan Forward	NF	/	/	//	/	/	/
Scan Reverse	NR	/	/	//	/	/	/
Multi Speed Forward	(Address) MF	/	/	/ -	/	/	/
Multi Speed Reverse	(Address) MR	/	/	/ -	/	/	/
Speed *	Integer SP	/	/	/ -	/	/	/
Search	Address SE	/	/	//	/	/	/
Multi Track Jump Forward	Integer JF	/	/	N/A	N/A	N/A	N/A
Multi Track Jump Reverse	Integer JR	/	/	N/A	N/A	N/A	N/A
Stop Marker	Address SM	/	/	//	/	/	/
Frame	FR	/	/	/ -	/	/	/
Time	TM	/	/	//	/	/	/
Chapter	CH	/	/	/ -	/	/	/
Clear	CL	/	/	//	/	/	/
Lead Out Symbol	LO	/	/	//	/	/	/
<b>Control Switch Commands</b>							
Audio Control **	Integer AD	/ (A & D)	/ (A or D)	// (A or D)	/ (A only)	/ (A only)	/ (A only)
Sub-Audio Control	Integer AS	/	N/A	N/A	N/A	N/A	N/A
Video Control	Integer VD	/	/	/ -	/	/	/
Key Lock	Integer KL	/	/	//	/	N/A	/
Beep Control	Integer BP	/	N/A	N/A	N/A	N/A	N/A
<b>Display Control Commands</b>							
Display Control	Integer DS	/	/	//	/	/	/
Clear Screen	CS	/	/	//	/	/	/
Print Character ***	Integer PR	/	/	//	/	/	/

 \* This command is implemented and operates differently across the product line. See specific *User's Manuals* for more information.

\*\* The LD-V4200 &amp; LD-V2200 outputs two channels only of Analog Audio; LD-4400 &amp; CLD-V2400 output two channels of either Digital or Analog Audio; LD-V8000 outputs up to four channels of Digital &amp; Analog Audio.

 \*\*\* See Technical Bulletin #141, *On-Screen User's Displays* for details; and see *Print Character Level III Command* as described in specific *User's Manuals*.

Command	Mnemonic		CLD-V2600					Discontinued	
			LD-V8000	LD-V4400	CLD-V2400	LD-V2200	LC-V330	LD-V4200	
<b>Request Control Commands</b>			LD / CD						
Frame Number Request	?F		/	/	/ -	/	/	/	
Time Number Request	?T		/	/	/ /	/	/	/	
Chapter Number Request	?C		/	/	/ -	/	/	/	
Player Active Mode Request	?P		/	/	/ /	/	/	/	
Disc Status Request (LD)	?D		/	/	/ -	/	/	/	
LDP Model Name Request*	?X		/	/	/ /	/	/	/	
Standard User's Code Request	?Y		N/A	/	N/A	N/A	N/A	N/A	
Pioneer's User's Code Request	?U		/	/	N/A	N/A	N/A	/	
TV System Request	?S		N/A	/	N/A	N/A	N/A	N/A	
<b>Memory Control Commands</b>									
Set Video Memory Mode	Integer	MM	/	N/A	N/A	N/A	N/A	N/A	
Video Memory (Field or Frame)	Integer	VM	/	N/A	N/A	N/A	N/A	N/A	
Disable Memory input	Integer	DM	/	N/A	N/A	N/A	N/A	N/A	
Enable Memory input	Integer	EM	/	N/A	N/A	N/A	N/A	N/A	
<b>Communication Control Commands</b>									
Communication Control	Integer	CM	/	/	/ /	/	/	/	
CCR Mode Request		?M	/	/	/ /	/	/	/	
<b>Register Control Commands</b>									
Register A Set (Display)	Integer	RA	/	/	/ /	/	/	/	
Register B Set (Squelch Control)	Integer	RB	/	/	/ /	/	/	/	
Register C Set (Miscellaneous)**	Integer	RC	/	/	/ /	/	/	/	
Register D Set (RS-232 Param.)	Integer	RD	/	/	N/A	N/A	N/A		
Register E Set (User's Switch 1)	Integer	RE	/	N/A	N/A	N/A	N/A	N/A	
Register F Set (User's Switch 2)	Integer	RF	/	N/A	N/A	N/A	N/A	N/A	
Register G Set (Video Memory)	Integer	RG	/	N/A	N/A	N/A	N/A	N/A	
Register H Set (Extended Control)	Integer	RH	/	N/A	N/A	N/A	N/A	N/A	
Register I Set (Level II Program)	Integer	RI	/	N/A	N/A	N/A	N/A	N/A	
<b>Register Request Commands</b>									
Register A Request (Display)		\$A	/	/	/ /	/	/	/	
Register B Request (Squelch Control)		\$B	/	/	/ /	/	/	/	
Register C Request (Miscellaneous)		\$C	/	/	/ /	/	/	/	
Register D Request (RS-232)		\$D	/	/	N/A	N/A	N/A	N/A	
Register E Request (User Switch 1)		\$E	/	N/A	N/A	N/A	N/A	N/A	
Register F Request (User Switch 2)		\$F	/	N/A	N/A	N/A	N/A	N/A	
Register G Request (Video Memory)		\$G	/	N/A	N/A	N/A	N/A	N/A	
Register H Request (Extended Control)		\$H	/	N/A	N/A	N/A	N/A	N/A	
Register I Request (Level II Program)		\$I	/	N/A	N/A	N/A	N/A	N/A	

\* The CLD-V2600 & the CLD-V2400 each return a different model number in response to ?X. CLD-V2600 is P1527XX and the CLD-V2400 is P1518xx. See *Technical Bulletin #143A*.

\*\* This command is implemented and operates differently across the product line. See specific *User's Manuals* for more information.

Command	Mnemonic		CLD-V2600						Discontinued
			LD-V8000	LD-V4400	CLD-V2400	LD-V2200	LC-V330	LD-V4200	
<b>Input/Output Device Control Commands</b>			LD / CD						
Select Input Unit	Integer	#S	✓	N/A	N/A	N/A	N/A	N/A	N/A
Input Unit Request		#I	✓	✓	✓ / ✓	N/A	N/A	N/A	N/A
Input Number Wait		?N	✓	✓	✓ / ✓	N/A	N/A	N/A	N/A
Set AUX Port	Integer	#P	✓	N/A	N/A	N/A	N/A	N/A	N/A
<b>LEVEL II Program Control Commands*</b> (Available on LD-V8000 Only)									
Set Program Pointer	Address	*S	✓	N/A	N/A	N/A	N/A	N/A	N/A
Program Read	Integer	*D	✓	N/A	N/A	N/A	N/A	N/A	N/A
Program Write	Integer	*W	✓	N/A	N/A	N/A	N/A	N/A	N/A
Program Pointer Request		*P	✓	N/A	N/A	N/A	N/A	N/A	N/A
Program Run	(Address)	*R	✓	N/A	N/A	N/A	N/A	N/A	N/A
Program Halt		*H	✓	N/A	N/A	N/A	N/A	N/A	N/A
<b>Interleaved Video Playback Commands*</b> (Available on LD-V8000 Only)									
Select Frame Interval	Integer	RM	✓	N/A	N/A	N/A	N/A	N/A	N/A
Select Playback Field	Integer	IM	✓	N/A	N/A	N/A	N/A	N/A	N/A
<b>Additional Compact Disc Control Commands</b> (Available on CLD-V2400 Only)									
Block		BK	N/A	N/A	— / ✓	N/A	N/A	N/A	N/A
Track		TR	N/A	N/A	— / ✓	N/A	N/A	N/A	N/A
Index		IX	N/A	N/A	— / ✓	N/A	N/A	N/A	N/A
Block Number Request		?B	N/A	N/A	— / ✓	N/A	N/A	N/A	N/A
Track Number Request		?R	N/A	N/A	— / ✓	N/A	N/A	N/A	N/A
Index Number Request		?I	N/A	N/A	— / ✓	N/A	N/A	N/A	N/A
P-Block Number Request		?A	N/A	N/A	— / ✓	N/A	N/A	N/A	N/A
TOC Information		?Q	N/A	N/A	— / ✓	N/A	N/A	N/A	N/A
Disc Status Request (CD)		?K	N/A	N/A	— / ✓	N/A	N/A	N/A	N/A
<b>Additional Autochanger Commands</b> (Available on the LC-V330 Only)									
Disc Set (Side A)	Disc #	ZA	N/A	N/A	N/A	N/A	✓	N/A	N/A
Disc Set (Side B)	Disc #	ZB	N/A	N/A	N/A	N/A	✓	N/A	N/A
Face Set	Face #	ZS	N/A	N/A	N/A	N/A	✓	N/A	N/A
Disc Return		ZR	N/A	N/A	N/A	N/A	✓	N/A	N/A
Karaoke Play	Address	ZR	N/A	N/A	N/A	N/A	✓	N/A	N/A
Disc Face Number Request		?Z	N/A	N/A	N/A	N/A	✓	N/A	N/A
Job Status Request		?J	N/A	N/A	N/A	N/A	✓	N/A	N/A

\* See LD-V8000 Level II User's Manual/Programmer's Reference Guide for information about Level II, descriptions of Level II Commands.  
 \* See CLD-V2600/2400 Level I & II User's Manual/Programmer's Reference Guide for info. on CLD-V2600 or the CLD-V2400 player control with Compact Discs.  
 \* See LD-V4200, LD-V2200, LD-V330 Autochanger User's Manual for more information about additional LC-V330 Autochanger commands.

Note: This chart includes a column for LD Player Commands and a column for CD Player Commands available on the CLD-V2400. The section on **Additional Compact Disc Control Commands**, above, lists commands only available on the CLD-V2600 or the CLD-V2400 when a compact disc is played. **Time Mode and Time Number Request** commands are available for use with both LDs and CDs.