

Chapter Four • LD-V8000 Level I & III

Player Control Switch Commands — AUDIO; SUB AUDIO CONTROL

4.7.2 Player Control Switch Commands

24) AUDIO CONTROL

Function: The audio output condition is selected.

Format: Integer A D

Explanation: The contents of the Audio Control Register are rewritten. The completion status is returned immediately. The relationship between the contents of the register specified by the integer and the output audio channel is indicated in the diagram on the next page.

Execution: 3 A D <CR> R <CR>
Set to play stereo analog tracks only

25) SUB AUDIO CONTROL

Function: The sub audio output condition is selected.

Format: Integer A S

Explanation: The contents of the Sub Audio Control Register are rewritten. The completion status is returned immediately. The relationship between the contents of the register specified by the integer and the output audio channel when the digital audio output is selected by the Audio Control Register is indicated in the diagram on the next page. The initial value upon power-on is 3 (stereo).

Execution: 7 A D 2 A S <CR> R <CR>
Set to play stereo digital and Ch 2 analog

The LD-V8000 has the ability to playback two analog audio tracks (right and left channels) and two digital audio tracks (right and left channels) if those tracks are present on the disc. With four channels of amplification and four speakers, many combinations of the four tracks are possible. The following chart shows the results of all possible commands and which track will appear at which speaker. Notice that if a single track is selected it may be directed to more than one speaker.

NOTE: The commands 7AD 3AS puts out all four channels of audio through the four audio jacks on the back of the player. The AUTO DIGITAL On-Screen Setting is over-ridden by Level III Audio commands.

Audio Switch Combinations		speaker			
		digital/analog		analog	
		1-L	2-R	3-L	4-R
0 AD Off					
0 AS Off	_____	-	-	-	-
1 AS Analog Ch 1	_____	-	-	-	-
2 AS Analog Ch 2	_____	-	-	-	-
3 AS Analog Stereo	_____	-	-	-	-
1 AD Analog Ch 1					
0 AS Off	_____	A-Ch 1	A-Ch 1	A-Ch 1	A-Ch 1
1 AS Analog Ch 1	_____	A-Ch 1	A-Ch 1	A-Ch 1	A-Ch 1
2 AS Analog Ch 2	_____	A-Ch 1	A-Ch 1	A-Ch 1	A-Ch 1
3 AS Analog Stereo	_____	A-Ch 1	A-Ch 1	A-Ch 1	A-Ch 1
2 AD Analog Ch 2					
0 AS Off	_____	A-Ch 2	A-Ch 2	A-Ch 2	A-Ch 2
1 AS Analog Ch 1	_____	A-Ch 2	A-Ch 2	A-Ch 2	A-Ch 2
2 AS Analog Ch 2	_____	A-Ch 2	A-Ch 2	A-Ch 2	A-Ch 2
3 AS Analog Stereo	_____	A-Ch 2	A-Ch 2	A-Ch 2	A-Ch 2
3 AD Analog Stereo					
0 AS Off	_____	A-Ch 1	A-Ch 2	A-Ch 1	A-Ch 2
1 AS Analog Ch 1	_____	A-Ch 1	A-Ch 2	A-Ch 1	A-Ch 2
2 AS Analog Ch 2	_____	A-Ch 1	A-Ch 2	A-Ch 1	A-Ch 2
3 AS Analog Stereo	_____	A-Ch 1	A-Ch 2	A-Ch 1	A-Ch 2
4 AD Off					
0 AS Off	_____	-	-	-	-
1 AS Analog Ch 1	_____	-	-	A-Ch 1	A-Ch 1
2 AS Analog Ch 2	_____	-	-	A-Ch 2	A-Ch 2
3 AS Analog Stereo	_____	-	-	A-Ch 1	A-Ch 2
5 AD Digital Ch 1					
0 AS Off	_____	D-Ch 1	D-Ch 1	-	-
1 AS Analog Ch 1	_____	D-Ch 1	D-Ch 1	A-Ch 1	A-Ch 1
2 AS Analog Ch 2	_____	D-Ch 1	D-Ch 1	A-Ch 2	A-Ch 2
3 AS Analog Stereo	_____	D-Ch 1	D-Ch 1	A-Ch 1	A-Ch 2
6 AD Digital Ch 2					
0 AS Off	_____	D-Ch 2	D-Ch 2	-	-
1 AS Analog Ch 1	_____	D-Ch 2	D-Ch 2	A-Ch 1	A-Ch 1
2 AS Analog Ch 2	_____	D-Ch 2	D-Ch 2	A-Ch 2	A-Ch 2
3 AS Analog Stereo	_____	D-Ch 2	D-Ch 2	A-Ch 1	A-Ch 2
7 AD Digital Stereo					
0 AS Off	_____	D-Ch 1	D-Ch 2	-	-
1 AS Analog Ch 1	_____	D-Ch 1	D-Ch 2	A-Ch 1	A-Ch 1
2 AS Analog Ch 2	_____	D-Ch 1	D-Ch 2	A-Ch 2	A-Ch 2
3 AS Analog Stereo	_____	D-Ch 1	D-Ch 2	A-Ch 1	A-Ch 2

Figure 4-1

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AUDIO CONTROL (cont.)

Audio Control Register Settings

Command	Function	S0	S1	S2	S3	S4	S5	S6	S7	S8	S9
0 AD	Off	0	0	0	0	0	0	1	0	1	0
1 AD	Analog CH1	1	0	1	1	0	1	1	0	1	0
2 AD	Analog CH2	0	1	1	0	1	1	1	0	1	0
3 AD	Analog Stereo	1	1	0	1	1	0	1	0	1	0
4 AD	Off	0	0	0	*	*	*	0	1	0	1
5 AD	Digital CH1	1	0	1	*	*	*	0	1	0	1
6 AD	Digital CH2	0	1	1	*	*	*	0	1	0	1
7 AD	Digital Stereo	1	1	0	*	*	*	0	1	0	1

Figure 4-J

Execution: 3 A D <CR> R <CR>
 Set to play stereo analog tracks only

When the digital audio output is enabled, Sub Audio Control can be set.

Command	Function	S3	S4	S5
0 AS	Off	0	0	0
1 AS	Analog CH1	1	0	1
2 AS	Analog CH2	0	1	1
3 AS	Analog Stereo	1	1	0

Execution: 7 A D 2 A S <CR> R <CR>
 Set to play stereo digital and Ch 2 analog

Audio Switch Diagram

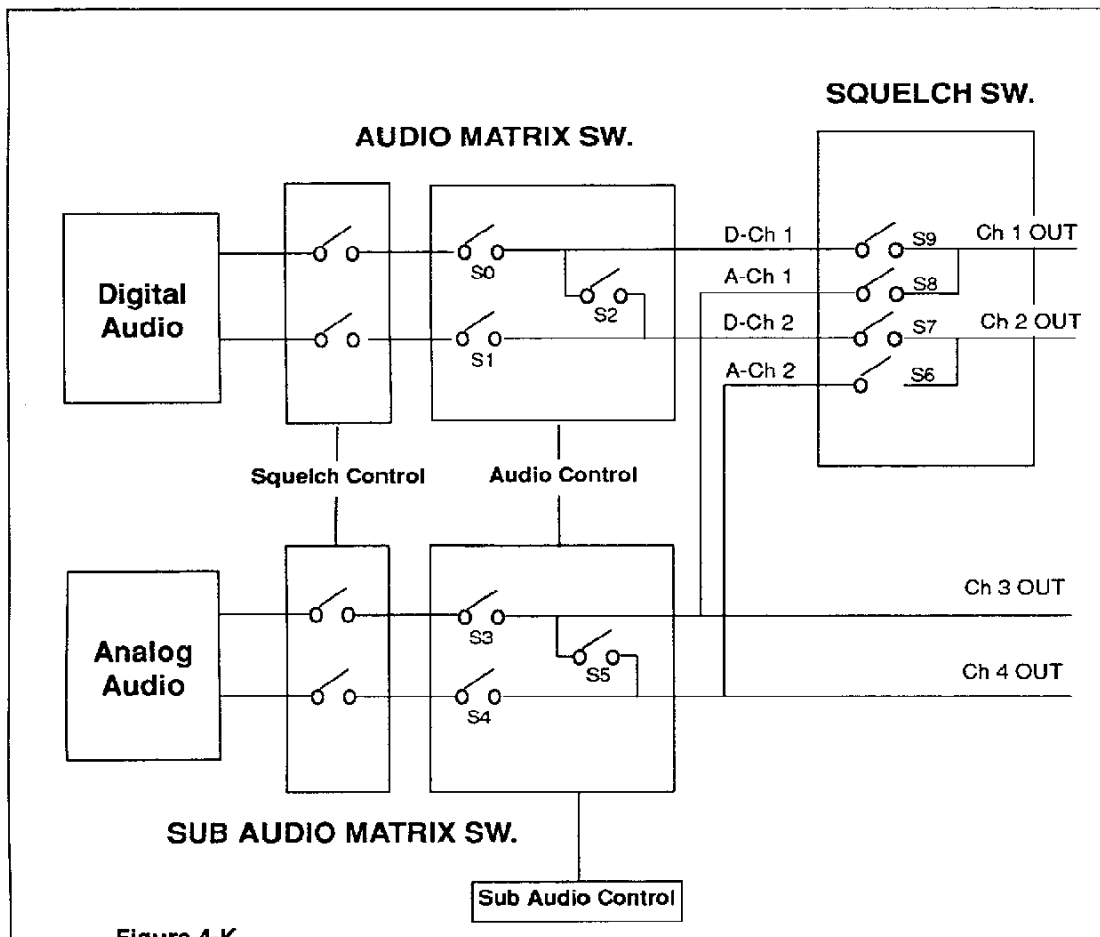


Figure 4-K