

## LEDE 200-S

4 Modes 21 - 24 - 14 - 16

Extended : 24 Ch
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Channel	Function	Value	Description
1	Pan	0 --> 255	540° Pan
2	Pan Fine	0 --> 255	Pan Fine
3	Tilt	0 --> 255	270° Tilt
4	Tilt Fine	0 --> 255	Tilt Fine
5	P/T Speed	0 --> 255	0% to 100% P/T Speed
6	P/T Function	0 --> 19	Normal
		16 --> 31	Movement with Blackout
		32 --> 255	Reserved
7	Shutter Function	0 --> 15	Normal
		16 --> 31	Pulse-Effect Forward
		32 --> 47	Pulse-Effect Reversed
		48 --> 63	Random Strobe
		64 --> 255	Reserved
8	Shutter	<i>Normal Mode</i>	
		0 --> 31	Close
		32 --> 223	Slow to Fast Strobe
		224 --> 255	Open
		<i>Pulse-Effect Forward</i>	
		0 --> 31	Close
		32 --> 223	Slow to Fast Strobe
		224 --> 255	Open
		<i>Pulse-Effect Reversed</i>	
		0 --> 31	Close
		32 --> 223	Slow to Fast Strobe
		224 --> 255	Open
		<i>Random Strobe</i>	
		0 --> 31	Close
		32 --> 223	Slow to Fast Strobe
224 --> 255	Open		
9	Dimmer	0 --> 255	0% to 100% Dimmer
10	Color Function	0 --> 15	Fixed
		16 --> 31	Fixed with BO
		32 --> 47	CW Scroll
		48 --> 63	CCW Scroll
		64 --> 79	Index
		80 --> 111	Bounce
		112 --> 255	Reserved

11	Color	<i>Fixed, Fixed with BP and Bounce</i>	
		0 --> 13	Open
		14 --> 27	Color 1
		28 --> 41	Split 1
		42 --> 55	Color 2
		56 --> 69	Split 2
		70 --> 83	Color 3
		84 --> 97	Split 3
		98 --> 111	Color 4
		112 --> 125	Split 4
		126 --> 139	Color 5
		140 --> 153	Split 5
		154 --> 167	Color 6
		168 --> 181	Split 6
		182 --> 195	Color 7
		196 --> 209	Split 7
		210 --> 223	Color 8
		224 --> 237	Split 8
		238 --> 255	Color 9
		<i>CW Scroll</i>	
0 --> 255	Slow to Fast CW Scroll		
<i>CCW Scroll</i>			
0 --> 255	Slow to Fast CCW Scroll		
<i>Index</i>			
0 --> 255	Index		
12	Gobo 1 Function	0 --> 15	Gobos
		16 --> 31	Gobos with Blackout
		32 --> 47	CW Scroll
		48 --> 63	CCW Scroll
		64 --> 79	Index
		80 --> 95	Shake
		96 --> 255	Reserved
13	Rot Gobo 1	<i>Gobos, Gobos with BO and Shake</i>	
		0 --> 31	Open
		32 --> 63	Gobo 1
		64 --> 95	Gobo 2
		96 --> 127	Gobo 3
		128 --> 159	Gobo 4
		160 --> 191	Gobo 5
		192 --> 223	Gobo 6
		224 --> 255	Gobo 7
		<i>CW Scroll</i>	
		0 --> 255	Slow to Fast CW Scroll
		<i>CCW Scroll</i>	
		0 --> 255	Slow to Fast CCW Scroll
		<i>Index</i>	
0 --> 255	Index		

14	Gobo Rot Function	0 --> 15	Index
		16 --> 31	CW Scroll
		32 --> 47	CCW Scroll
		48 --> 63	Forward Animation
		64 --> 79	Forward Animation with BO
		80 --> 111	Reverse Animation
		112 --> 255	Reverse Animation with BO
15	Gobo Rotation	0 --> 255	Index Mode
		0 --> 255	Slow to Fast CW Scroll
		0 --> 255	Slow to Fast CCW Scroll
		0 --> 255	Forward Animation Mode
		0 --> 255	Reverse Animation Mode
16	Gobo 2 Function	0 --> 15	Gobos
		16 --> 31	Gobos with Blackout
		32 --> 47	CW Scroll
		48 --> 63	CCW Scroll
		64 --> 79	Index
		80 --> 95	Shake
		96 --> 255	Reserved
17	Gobo 2	<i>Gobos, Gobos with BO and Shake</i>	
		0 --> 31	Open
		32 --> 63	Gobo 1
		64 --> 95	Gobo 2
		96 --> 127	Gobo 3
		128 --> 159	Gobo 4
		160 --> 191	Gobo 5
		192 --> 223	Gobo 6
		224 --> 255	Gobo 7
		<i>CW Scroll</i>	
		0 --> 255	Slow to Fast CW Scroll
		<i>CCW Scroll</i>	
		0 --> 255	Slow to Fast CCW Scroll
		<i>Index</i>	
		0 --> 255	Index
18	Prism	0 --> 63	Open
		64 --> 127	Prism 1
		128 --> 191	Prism 2
		192 --> 255	Prism 3
19	Prism Rotation	0 --> 127	Slow to Fast CW Scroll
		128 --> 255	Slow to Fast CCW Scroll
20	Focus Funtion	0 --> 15	Focus
		16 --> 31	5m Auto Focus
		32 --> 47	7m Auto Focus
		48 --> 63	10m Auto Focus
		64 --> 95	15m Auto Focus
		96 --> 127	>20m Auto Focus
		128 --> 255	Reserved
21	Focus	0 --> 255	Focus Mode in and out
		0 --> 255	Auto Focus Modes Fine

22	Iris Function	0 --> 15	Index
		16 --> 31	Pulse Opening Forward BO
		32 --> 47	Pulse Opening Reverse BO
		48 --> 63	Pulse Closing Forward BO
		64 --> 95	Pulse Closing Reverse BO
		96 --> 255	Reserved
23	Iris	0 --> 255	Max to Min in Index Mode
		0 --> 255	Slow to Fast in Pulse Modes
24	Control	0 --> 7	Safe
		8 --> 15	Reset All
		16 --> 23	P/T Reset
		24 --> 31	Color Reset
		32 --> 39	Gobo Reset
		40 --> 47	Reserved
		48 --> 55	Other Reset
		56 --> 63	Display Off
		64 --> 71	Display On
		72 --> 79	Reserved
		80 --> 87	Reserved
		88 --> 95	Hibernation
		96 --> 255	Reserved

<b>Standard : 21 Ch</b>
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Channel	Function	Value	Description
1	Pan	0 --> 255	540° Pan
2	Tilt	0 --> 255	270° Tilt
3	P/T Speed	0 --> 255	0% to 100% P/T Speed
4	Shutter Function	0 --> 15	Normal
		16 --> 31	Pulse-Effect Forward
		32 --> 47	Pulse-Effect Reversed
		48 --> 63	Random Strobe
		64 --> 255	Reserved
5	Shutter	<i>Normal Mode</i>	
		0 --> 31	Close
		32 --> 223	Slow to Fast Strobe
		224 --> 255	Open
		<i>Pulse-Effect Forward</i>	
		0 --> 31	Close
		32 --> 223	Slow to Fast Strobe
		224 --> 255	Open
		<i>Pulse-Effect Reversed</i>	
		0 --> 31	Close
		32 --> 223	Slow to Fast Strobe
		224 --> 255	Open
		<i>Random Strobe</i>	
		0 --> 31	Close
		32 --> 223	Slow to Fast Strobe
224 --> 255	Open		
6	Dimmer	0 --> 255	0% to 100% Dimmer

7	Color Function	0 --> 15	Fixed
		16 --> 31	Fixed with BO
		32 --> 47	CW Scroll
		48 --> 63	CCW Scroll
		64 --> 79	Index
		80 --> 111	Bounce
		112 --> 255	Reserved
8	Color	<i>Fixed, Fixed with BP and Bounce</i>	
		0 --> 13	Open
		14 --> 27	Color 1
		28 --> 41	Split 1
		42 --> 55	Color 2
		56 --> 69	Split 2
		70 --> 83	Color 3
		84 --> 97	Split 3
		98 --> 111	Color 4
		112 --> 125	Split 4
		126 --> 139	Color 5
		140 --> 153	Split 5
		154 --> 167	Color 6
		168 --> 181	Split 6
		182 --> 195	Color 7
		196 --> 209	Split 7
		210 --> 223	Color 8
		224 --> 237	Split 8
		238 --> 255	Color 9
		<i>CW Scroll</i>	
		0 --> 255	Slow to Fast CW Scroll
		<i>CCW Scroll</i>	
		0 --> 255	Slow to Fast CCW Scroll
<i>Index</i>			
0 --> 255	Index		
9	Gobo 1 Function	0 --> 15	Gobos
		16 --> 31	Gobos with Blackout
		32 --> 47	CW Scroll
		48 --> 63	CCW Scroll
		64 --> 79	Index
		80 --> 95	Shake
		96 --> 255	Reserved

10	Rot Gobo 1	<i>Gobos, Gobos with BO and Shake</i>	
		0 --> 31	Open
		32 --> 63	Gobo 1
		64 --> 95	Gobo 2
		96 --> 127	Gobo 3
		128 --> 159	Gobo 4
		160 --> 191	Gobo 5
		192 --> 223	Gobo 6
		224 --> 255	Gobo 7
		<i>CW Scroll</i>	
		0 --> 255	Slow to Fast CW Scroll
		<i>CCW Scroll</i>	
		0 --> 255	Slow to Fast CCW Scroll
		<i>Index</i>	
		0 --> 255	Index
11	Gobo Rot Function	0 --> 15	Index
		16 --> 31	CW Scroll
		32 --> 47	CCW Scroll
		48 --> 63	Forward Animation
		64 --> 79	Forward Animation with BO
		80 --> 111	Reverse Animation
		112 --> 255	Reverse Animation with BO
		12	Gobo Rotation
0 --> 255	Slow to Fast CW Scroll		
0 --> 255	Slow to Fast CCW Scroll		
0 --> 255	Forward Animation Mode		
0 --> 255	Reverse Animation Mode		
13	Gobo 2 Function	0 --> 15	Gobos
		16 --> 31	Gobos with Blackout
		32 --> 47	CW Scroll
		48 --> 63	CCW Scroll
		64 --> 79	Index
		80 --> 95	Shake
		96 --> 255	Reserved
14	Gobo 2	<i>Gobos, Gobos with BO and Shake</i>	
		0 --> 31	Open
		32 --> 63	Gobo 1
		64 --> 95	Gobo 2
		96 --> 127	Gobo 3
		128 --> 159	Gobo 4
		160 --> 191	Gobo 5
		192 --> 223	Gobo 6
		224 --> 255	Gobo 7
		<i>CW Scroll</i>	
		0 --> 255	Slow to Fast CW Scroll
		<i>CCW Scroll</i>	
		0 --> 255	Slow to Fast CCW Scroll
		<i>Index</i>	
		0 --> 255	Index

15	Prism	0 --> 63	Open
		64 --> 127	Prism 1
		128 --> 191	Prism 2
		192 --> 255	Prism 3
16	Prism Rotation	0 --> 127	Slow to Fast CW Scroll
		128 --> 255	Slow to Fast CCW Scroll
17	Focus Funtion	0 --> 15	Focus
		16 --> 31	5m Auto Focus
		32 --> 47	7m Auto Focus
		48 --> 63	10m Auto Focus
		64 --> 95	15m Auto Focus
		96 --> 127	>20m Auto Focus
		128 --> 255	Reserved
18	Focus	0 --> 255	Focus Mode in and out
		0 --> 255	Auto Focus Modes Fine
19	Iris Function	0 --> 15	Index
		16 --> 31	Pulse Opening Forward BO
		32 --> 47	Pulse Opening Reverse BO
		48 --> 63	Pulse Closing Forward BO
		64 --> 95	Pulse Closing Reverse BO
		96 --> 255	Reserved
20	Iris	0 --> 255	Max to Min in Index Mode
		0 --> 255	Slow to Fast in Pulse Modes
21	Control	0 --> 7	Safe
		8 --> 15	Reset All
		16 --> 23	P/T Reset
		24 --> 31	Color Reset
		32 --> 39	Gobo Reset
		40 --> 47	Reserved
		48 --> 55	Other Reset
		56 --> 63	Display Off
		64 --> 71	Display On
		72 --> 79	Reserved
		80 --> 87	Reserved
		88 --> 95	Hibernation
		96 --> 255	Reserved

<b>Basic 16 bit : 16 Ch</b>
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Channel	Function	Value	Description
1	Pan	0 --> 255	540° Pan
2	Pan Fine	0 --> 255	Pan Fine
3	Tilt	0 --> 255	270° Tilt
4	Tilt Fine	0 --> 255	Tilt Fine
5	P/T Speed	0 --> 255	0% to 100% P/T Speed

6	Shutter	0 --> 31	No Function Close
		32 --> 63	Close
		64 --> 95	Slow to Fast Strobe
		96 --> 127	Close
		128 --> 159	Pulse Effect
		160 --> 191	Close
		192 --> 223	Slow to Fast Random Strobe
		224 --> 255	Open
7	Dimmer	0 --> 255	0% to 100% Dimmer
8	Color	<i>Fixed</i>	
		0 --> 13	Open
		14 --> 255	Fixed Index
		<i>Fixed with BO</i>	
		54 --> 56	Open
		57 --> 106	Fixed with BO Index
		<i>Bounce</i>	
		107 --> 119	Open
		120 --> 223	Bounce Index
		<i>CW Scroll</i>	
		224 --> 239	Slow to Fast CW Scroll
		<i>CCW Scroll</i>	
		240 --> 255	Slow to Fast CCW Scroll
		9	Rot Gobo 1
0 --> 5	Open		
6 --> 11	Gobo 1		
12 --> 17	Gobo 2		
18 --> 23	Gobo 3		
24 --> 29	Gobo 4		
30 --> 35	Gobo 5		
36 --> 41	Gobo 6		
42 --> 47	Gobo 7		
<i>Rotating Gobos with BO</i>			
48 --> 53	Open		
54 --> 59	Gobo 1		
60 --> 65	Gobo 2		
66 --> 71	Gobo 3		
72 --> 77	Gobo 4		
78 --> 83	Gobo 5		
84 --> 89	Gobo 6		
90 --> 95	Gobo 7		
<i>Shake</i>			
96 --> 97	Open		
98 --> 115	Gobo 1		
116 --> 133	Gobo 2		
134 --> 151	Gobo 3		
152 --> 169	Gobo 4		
170 --> 187	Gobo 5		
188 --> 205	Gobo 6		
206 --> 223	Gobo 7		
<i>CW Scroll</i>			
224 --> 239	Slow to Fast CW Scroll		



		<i>CCW Scroll</i>	
		240 --> 255	Slow to Fast CCW Scroll
10	Gobo Rotation	0 --> 191	Index
		192 --> 207	Forward Animation
		208 --> 223	Reverse Animation
		224 --> 239	Slow to Fast CW Scroll
		240 --> 255	Slow to Fast CCW Scroll
11	Fixed Gobo	<i>Fixed Gobos</i>	
		0 --> 5	Open
		6 --> 11	Gobo 1
		12 --> 17	Gobo 2
		18 --> 23	Gobo 3
		24 --> 29	Gobo 4
		30 --> 35	Gobo 5
		36 --> 41	Gobo 6
		42 --> 47	Gobo 7
		<i>Fixed Gobos with BO</i>	
		48 --> 53	Open
		54 --> 59	Gobo 1
		60 --> 65	Gobo 2
		66 --> 71	Gobo 3
		72 --> 77	Gobo 4
		78 --> 83	Gobo 5
		84 --> 89	Gobo 6
		90 --> 95	Gobo 7
		<i>Shake</i>	
		96 --> 97	Open
		98 --> 115	Gobo 1
		116 --> 133	Gobo 2
		134 --> 151	Gobo 3
		152 --> 169	Gobo 4
		170 --> 187	Gobo 5
		188 --> 205	Gobo 6
		206 --> 223	Gobo 7
<i>CW Scroll</i>			
224 --> 239	Slow to Fast CW Scroll		
<i>CCW Scroll</i>			
240 --> 255	Slow to Fast CCW Scroll		
12	Prism	0 --> 63	Open
		64 --> 127	Prism 1
		128 --> 191	Prism 2
		192 --> 255	Prism 3
13	Prism Rotation	0 --> 127	Slow to Fast CW Scroll
		128 --> 255	Slow to Fast CCW Scroll
14	Focus	0 --> 255	Focus Mode in and out
		0 --> 255	Auto Focus Modes Fine
15	Iris	0 --> 191	Index
		192 --> 207	Pulse Opening Forward BO
		208 --> 223	Pulse Opening Reverse BO
		224 --> 239	Pulse Closing Forward BO
		240 --> 255	Pulse Closing Reverse BO

16	Control	0 --> 7	Safe
		8 --> 15	Reset All
		16 --> 23	P/T Reset
		24 --> 31	Color Reset
		32 --> 39	Gobo Reset
		40 --> 47	Reserved
		48 --> 55	Other Reset
		56 --> 63	Display Off
		64 --> 71	Display On
		72 --> 79	Reserved
		80 --> 87	Reserved
		88 --> 95	Hibernation
		96 --> 255	Reserved

Basic 8 bit : 14 Ch
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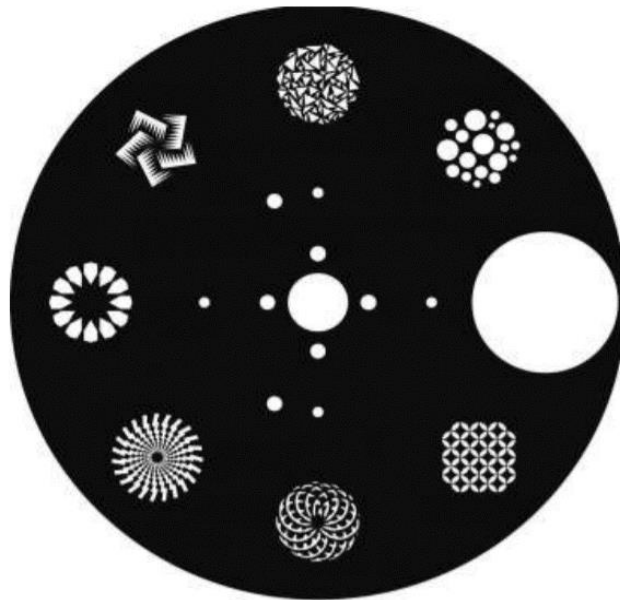
Channel	Function	Value	Description
1	Pan	0 --> 255	540° Pan
3	Tilt	0 --> 255	270° Tilt
5	P/T Speed	0 --> 255	0% to 100% P/T Speed
6	Shutter	0 --> 31	No Function Close
		32 --> 63	Close
		64 --> 95	Slow to Fast Strobe
		96 --> 127	Close
		128 --> 159	Pulse Effect
		160 --> 191	Close
		192 --> 223	Slow to Fast Random Strobe
		224 --> 255	Open
7	Dimmer	0 --> 255	0% to 100% Dimmer
8	Color	<i>Fixed</i>	
		0 --> 13	Open
		14 --> 255	Fixed Index
		<i>Fixed with BO</i>	
		54 --> 56	Open
		57 --> 106	Fixed with BO Index
		<i>Bounce</i>	
		107 --> 119	Open
		120 --> 223	Bounce Index
		<i>CW Scroll</i>	
		224 --> 239	Slow to Fast CW Scroll
		<i>CCW Scroll</i>	
		240 --> 255	Slow to Fast CCW Scroll

9	Rot Gobo 1	<i>Rotating Gobos</i>	
		0 --> 5	Open
		6 --> 11	Gobo 1
		12 --> 17	Gobo 2
		18 --> 23	Gobo 3
		24 --> 29	Gobo 4
		30 --> 35	Gobo 5
		36 --> 41	Gobo 6
		42 --> 47	Gobo 7
		<i>Rotating Gobos with BO</i>	
		48 --> 53	Open
		54 --> 59	Gobo 1
		60 --> 65	Gobo 2
		66 --> 71	Gobo 3
		72 --> 77	Gobo 4
		78 --> 83	Gobo 5
		84 --> 89	Gobo 6
		90 --> 95	Gobo 7
		<i>Shake</i>	
		96 --> 97	Open
		98 --> 115	Gobo 1
		116 --> 133	Gobo 2
		134 --> 151	Gobo 3
		152 --> 169	Gobo 4
		170 --> 187	Gobo 5
		188 --> 205	Gobo 6
206 --> 223	Gobo 7		
<i>CW Scroll</i>			
224 --> 239	Slow to Fast CW Scroll		
<i>CCW Scroll</i>			
240 --> 255	Slow to Fast CCW Scroll		
10	Gobo Rotation	0 --> 191	Index
		192 --> 207	Forward Animation
		208 --> 223	Reverse Animation
		224 --> 239	Slow to Fast CW Scroll
		240 --> 255	Slow to Fast CCW Scroll

11	Fixed Gobo	<i>Fixed Gobos</i>	
		0 --> 5	Open
		6 --> 11	Gobo 1
		12 --> 17	Gobo 2
		18 --> 23	Gobo 3
		24 --> 29	Gobo 4
		30 --> 35	Gobo 5
		36 --> 41	Gobo 6
		42 --> 47	Gobo 7
		<i>Fixed Gobos with BO</i>	
		48 --> 53	Open
		54 --> 59	Gobo 1
		60 --> 65	Gobo 2
		66 --> 71	Gobo 3
		72 --> 77	Gobo 4
		78 --> 83	Gobo 5
		84 --> 89	Gobo 6
		90 --> 95	Gobo 7
		<i>Shake</i>	
		96 --> 97	Open
		98 --> 115	Gobo 1
		116 --> 133	Gobo 2
		134 --> 151	Gobo 3
		152 --> 169	Gobo 4
		170 --> 187	Gobo 5
		188 --> 205	Gobo 6
		206 --> 223	Gobo 7
<i>CW Scroll</i>			
224 --> 239	Slow to Fast CW Scroll		
<i>CCW Scroll</i>			
240 --> 255	Slow to Fast CCW Scroll		
12	Prism	0 --> 63	Open
		64 --> 127	Prism 1
		128 --> 191	Prism 2
		192 --> 255	Prism 3
13	Prism Rotation	0 --> 127	Slow to Fast CW Scroll
		128 --> 255	Slow to Fast CCW Scroll
14	Focus	0 --> 255	Focus Mode in and out
		0 --> 255	Auto Focus Modes Fine
15	Iris	0 --> 191	Index
		192 --> 207	Pulse Opening Forward BO
		208 --> 223	Pulse Opening Reverse BO
		224 --> 239	Pulse Closing Forward BO
		240 --> 255	Pulse Closing Reverse BO

16	Control	0 --> 7	Safe
		8 --> 15	Reset All
		16 --> 23	P/T Reset
		24 --> 31	Color Reset
		32 --> 39	Gobo Reset
		40 --> 47	Reserved
		48 --> 55	Other Reset
		56 --> 63	Display Off
		64 --> 71	Display On
		72 --> 79	Reserved
		80 --> 87	Reserved
		88 --> 95	Hibernation
		96 --> 255	Reserved

Static Gobo Wheel



Static Gobo Wheel

