

ROOT® PAR IP

LED OUTDOOR SPOTLIGHT
DMX CONTROL TABLE



2CH	4CH-1					
Channel	Channel	Function	Values			
1	1	Dimmer	000	-	255	0% to 100%
	2	Strobe Functions	000	-	005	Open
			006	-	010	Closed
			011	-	022	Ramp up/down slow to fast
			023	-	033	Ramp up/down random slow to fast
			034	-	045	Ramp up slow to fast
			046	-	056	Ramp up random slow to fast
			057	-	068	Ramp down slow to fast
			069	-	079	Ramp down random slow to fast
			080	-	102	Random Strobe effect slow to fast
			103	-	127	Strobe Break effect 5s to 1s (short burst with break)
			128	-	250	Strobe slow to fast (<1Hz to 20Hz)
			251	-	255	Open
2	3	Colour Presets	000	-	005	No function
			006	-	013	Red
			014	-	021	Amber
			022	-	029	Yellow warm
			030	-	037	Yellow
			038	-	045	Green
			046	-	053	Turquoise
			054	-	061	Cyan
			062	-	069	Blue
			070	-	077	Lavender
			078	-	085	Mauve
			086	-	093	Magenta
			094	-	101	Pink
			102	-	109	Warm White
			110	-	117	White
			118	-	125	Cold White
			126	-	127	Colour Jumping/Fading Stop
			128	-	164	Colour Jumping slow to fast
			165	-	201	Colour Fading slow to fast
			202	-	207	User Colour 1
			208	-	213	User Colour 2
			214	-	219	User Colour 3
			220	-	225	User Colour 4
			226	-	255	No function

Cameo®

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	4	Sound (triggers Strobe, Colour Jumping & Fading)	000	-	255	No function
			006	-	255	Sound Control On, mic sensitivity low to high

4CH-2						
Channel	Function	Values				
1	Red	000	-	255	0% to 100%	
2	Green	000	-	255	0% to 100%	
3	Blue	000	-	255	0% to 100%	
4	White	000	-	255	0% to 100%	

5CH						
Channel	Function	Values				
1	Dimmer	000	-	255	0% to 100%	
2	Strobe	000	-	005	Open	
		006	-	255	Strobe slow to fast (<1Hz to 20Hz)	
3	Chase (Chase between Colour Preset 1 and Colour Preset 2)	000	-	005	No function	
		006	-	026	Jump 10s to 4s	
		027	-	127	Jump 4s to 0.1s	
		128	-	148	Fade 10s to 4s	
		149	-	255	Fade 4s to 0.1s	
4	Colour Presets 1	000	-	005	No function	
		006	-	013	Red	
		014	-	021	Amber	
		022	-	029	Yellow warm	
		030	-	037	Yellow	
		038	-	045	Green	
		046	-	053	Turquoise	
		054	-	061	Cyan	
		062	-	069	Blue	
		070	-	077	Lavender	
		078	-	085	Mauve	
		086	-	093	Magenta	
		094	-	101	Pink	
		102	-	109	Warm White	
		110	-	117	White	
		118	-	125	Cold White	
		126	-	127	Colour Jumping/Fading Stop	

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4	Colour Presets 1	128 -	164	Colour Jumping slow to fast
		165 -	201	Colour Fading slow to fast
		202 -	207	User Colour 1
		208 -	213	User Colour 2
		214 -	219	User Colour 3
		220 -	225	User Colour 4
		226 -	255	No function
5	Colour Presets 2	000 -	005	No function
		006 -	013	Red
		014 -	021	Amber
		022 -	029	Yellow warm
		030 -	037	Yellow
		038 -	045	Green
		046 -	053	Turquoise
		054 -	061	Cyan
		062 -	069	Blue
		070 -	077	Lavender
		078 -	085	Mauve
		086 -	093	Magenta
		094 -	101	Pink
		102 -	109	Warm White
		110 -	117	White
		118 -	125	Cold White
		126 -	127	Colour Jumping/Fading Stop
		128 -	164	Colour Jumping slow to fast
		165 -	201	Colour Fading slow to fast
		202 -	207	User Colour 1
		208 -	213	User Colour 2
		214 -	219	User Colour 3
		220 -	225	User Colour 4
		226 -	255	No function

6CH	9CH				
Channel	Channel	Function	Values		
1	1	Dimmer	000	-	255
	2	Dimmer fine	000	-	255
2		Strobe	000	-	005
			006	-	255

0% to 100%

Open

Strobe slow to fast (<1Hz to 20Hz)

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	3	Strobe Functions	000	-	005	Open
			006	-	010	Closed
			011	-	022	Ramp up/down slow to fast
			023	-	033	Ramp up/down random slow to fast
			034	-	045	Ramp up slow to fast
			046	-	056	Ramp up random slow to fast
			057	-	068	Ramp down slow to fast
			069	-	079	Ramp down random slow to fast
			080	-	102	Random Strobe effect slow to fast
			103	-	127	Strobe Break effect 5s to 1s (short burst with break)
			128	-	250	Strobe slow to fast (<1Hz to 20Hz)
			251	-	255	Open
3	4	Red	000	-	255	0% to 100%
4	5	Green	000	-	255	0% to 100%
5	6	Blue	000	-	255	0% to 100%
6	7	White	000	-	255	0% to 100%
	8	Colour Presets (override Colour Mixing)	000	-	005	No function
			006	-	013	Red
			014	-	021	Amber
			022	-	029	Yellow warm
			030	-	037	Yellow
			038	-	045	Green
			046	-	053	Turquoise
			054	-	061	Cyan
			062	-	069	Blue
			070	-	077	Lavender
			078	-	085	Mauve
			086	-	093	Magenta
			094	-	101	Pink
			102	-	109	Warm White
			110	-	117	White
			118	-	125	Cold White
			126	-	127	Colour Jumping/Fading Stop
			128	-	164	Colour Jumping slow to fast
			165	-	201	Colour Fading slow to fast
			202	-	207	User Colour 1
			208	-	213	User Colour 2
			214	-	219	User Colour 3
			220	-	225	User Colour 4

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	8	Colour Presets (override Co- lour Mixing)	226	-	255	No function
	9	Sound (triggers Strobe, Colour Jumping & Fading)	000	-	255	No function
			006	-	255	Sound Control On, mic sensivity low to high

D3CH	D5CH					
Channel	Channel	Function	Values			
1	1	Dimmer	000	-	255	0% to 100%
	2	Strobe Functions	000	-	005	Open
			006	-	010	Closed
			011	-	022	Ramp up/down slow to fast
			023	-	033	Ramp up/down random slow to fast
			034	-	045	Ramp up slow to fast
			046	-	056	Ramp up random slow to fast
			057	-	068	Ramp down slow to fast
			069	-	079	Ramp down random slow to fast
			080	-	102	Random Strobe effect slow to fast
			103	-	127	Strobe Break effect 5s to 1s (short burst with break)
			128	-	250	Strobe slow to fast (<1Hz to 20Hz)
			251	-	255	Open
2	3	Colour Presets	000	-	005	No function
			006	-	013	Red
			014	-	021	Amber
			022	-	029	Yellow warm
			030	-	037	Yellow
			038	-	045	Green
			046	-	053	Turquoise
			054	-	061	Cyan
			062	-	069	Blue
			070	-	077	Lavender
			078	-	085	Mauve
			086	-	093	Magenta
			094	-	101	Pink
			102	-	109	Warm White
			110	-	117	White
			118	-	125	Cold White

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DMX CONTROL TABLE



2	3	Colour Presets	126	-	127	Colour Jumping/Fading Stop
			128	-	164	Colour Jumping slow to fast
			165	-	201	Colour Fading slow to fast
			202	-	207	User Colour 1
			208	-	213	User Colour 2
			214	-	219	User Colour 3
			220	-	225	User Colour 4
			226	-	255	No function
	4	Sound (triggers Strobe, Colour Jumping & Fading)	000	-	255	No function
			006	-	255	Sound Control On, mic sensitivity low to high
3	5	DMX Delay	000	-	005	Off (no Delay)
			006	-	255	0,1s to 2,0s

D6CH-1						
Channel	Function	Values				
1	Strobe Functions	000	-	005	Open	
		006	-	010	Closed	
		011	-	022	Ramp up/down slow to fast	
		023	-	033	Ramp up/down random slow to fast	
		034	-	045	Ramp up slow to fast	
		046	-	056	Ramp up random slow to fast	
		057	-	068	Ramp down slow to fast	
		069	-	079	Ramp down random slow to fast	
		080	-	102	Random Strobe effect slow to fast	
		103	-	127	Strobe Break effect 5s to 1s (short burst with break)	
		128	-	250	Strobe slow to fast (<1Hz to 20Hz)	
		251	-	255	Open	
2	Red	000	-	255	0% to 100%	
3	Green	000	-	255	0% to 100%	
4	Blue	000	-	255	0% to 100%	
5	White	000	-	255	0% to 100%	
6	DMX Delay	000	-	005	Off (no Delay)	
		006	-	255	0,1s to 2,0s	

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D6CH-2					
Channel	Function	Values			
1	Dimmer	000	-	255	0% to 100%
2	Strobe	000	-	005	Open
		006	-	255	Strobe slow to fast (<1Hz to 20Hz)
3	Chase (Chase between Colour Preset 1 and Colour Preset 2)	000	-	005	No function
		006	-	026	Jump 10s to 4s
		027	-	127	Jump 4s to 0.1s
		128	-	148	Fade 10s to 4s
		149	-	255	Fade 4s to 0.1s
4	Colour Presets 1	000	-	005	No function
		006	-	013	Red
		014	-	021	Amber
		022	-	029	Yellow warm
		030	-	037	Yellow
		038	-	045	Green
		046	-	053	Turquoise
		054	-	061	Cyan
		062	-	069	Blue
		070	-	077	Lavender
		078	-	085	Mauve
		086	-	093	Magenta
		094	-	101	Pink
		102	-	109	Warm White
		110	-	117	White
		118	-	125	Cold White
		126	-	127	Colour Jumping/Fading Stop
		128	-	164	Colour Jumping slow to fast
		165	-	201	Colour Fading slow to fast
		202	-	207	User Colour 1
		208	-	213	User Colour 2
		214	-	219	User Colour 3
		220	-	225	User Colour 4
		226	-	255	No function

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5	Colour Presets 2	000	-	005	No function
		006	-	013	Red
		014	-	021	Amber
		022	-	029	Yellow warm
		030	-	037	Yellow
		038	-	045	Green
		046	-	053	Turquoise
		054	-	061	Cyan
		062	-	069	Blue
		070	-	077	Lavender
		078	-	085	Mauve
		086	-	093	Magenta
		094	-	101	Pink
		102	-	109	Warm White
		110	-	117	White
		118	-	125	Cold White
		126	-	127	Colour Jumping/Fading Stop
		128	-	164	Colour Jumping slow to fast
		165	-	201	Colour Fading slow to fast
		202	-	207	User Colour 1
		208	-	213	User Colour 2
		214	-	219	User Colour 3
		220	-	225	User Colour 4
		226	-	255	No function
6	DMX Delay	000	-	005	Off (no Delay)
		006	-	255	0,1s to 2,0s

D7CH	D10CH				
Channel	Channel	Function	Values		
1	1	Dimmer	000	-	255
	2	Dimmer fine	000	-	255
2		Strobe	000	-	005
			006	-	255
	3	Strobe Functions	000	-	005
			006	-	010
			011	-	022
			023	-	033
			034	-	045
			046	-	056

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	3	Strobe Functions	057	-	068	Ramp down slow to fast
			069	-	079	Ramp down random slow to fast
			080	-	102	Random Strobe effect slow to fast
			103	-	127	Strobe Break effect 5s to 1s (short burst with break)
			128	-	250	Strobe slow to fast (<1Hz to 20Hz)
			251	-	255	Open
3	4	Red	000	-	255	0% to 100%
4	5	Green	000	-	255	0% to 100%
5	6	Blue	000	-	255	0% to 100%
6	7	White	000	-	255	0% to 100%
	8	Colour Presets (override Colour Mixing)	000	-	005	No function
			006	-	013	Red
			014	-	021	Amber
			022	-	029	Yellow warm
			030	-	037	Yellow
			038	-	045	Green
			046	-	053	Turquoise
			054	-	061	Cyan
			062	-	069	Blue
			070	-	077	Lavender
			078	-	085	Mauve
			086	-	093	Magenta
			094	-	101	Pink
			102	-	109	Warm White
			110	-	117	White
			118	-	125	Cold White
			126	-	127	Colour Jumping/Fading Stop
			128	-	164	Colour Jumping slow to fast
			165	-	201	Colour Fading slow to fast
			202	-	207	User Colour 1
			208	-	213	User Colour 2
			214	-	219	User Colour 3
			220	-	225	User Colour 4
			226	-	255	No function
	9	Sound (triggers Strobe, Colour Jumping & Fading)	000	-	255	No function
			006	-	255	Sound Control On, mic sensitivity low to high

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7	10	DMX Delay	000	-	005	Off (no Delay)
			006	-	255	0,1s to 2,0s