

# PIXBAR® TW SHORT IP G2

IP65 TW LED BAR SHORT  
DMX CONTROL TABLE



1CH Dim	2CH CCT	3CH Direct	3CH Strobe CCT	5CH Direct				
Channel	Channel	Channel	Channel	Channel	Function	Values		
1 Colour = last setting in Stand Alone Mode CCT	1		1	1	Dimmer	000 - 255	0% to 100%	
						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	
		1		3	Amber	000 - 255	0% to 100%	
		2		4	Warm White	000 - 255	0% to 100%	
		3		5	Cold White	000 - 255	0% to 100%	
	2		3		Colour Temperature	000 - 005	Off	
006 - 006						Warm white		
007 - 046						Warm white to 2700K		
047 - 047						Bulb White (2700K)		
048 - 087						2700K to 3200K		
088 - 088						Halogen White (3200K)		
089 - 128						3200K to 4000K		
129 - 129						Neutral White (4000K)		
130 - 169						4000K to 5600K		
170 - 170						Studio White (5600K)		

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2	3	Colour Temperature	171 - 210	5600K to 6500K
			211 - 211	Daylight White (6500K)
			212 - 251	6500K to Cold white
			252 - 255	Cold white

8CH Direct Ctrl	10CH Effect Pattern	11CH Wash					
Channel	Channel	Channel	Function	Values			
1	1	1	Dimmer	000	-	255	0% to 100%
2	2	2	Dimmer fine	000	-	255	
3	3	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)
4	4	4	Amber	000	-	255	0% to 100%
				5	Amber fine	000	
5	5	6	Warm White	000	-	255	0% to 100%
				7	Warm White fine	000	
6	6	8	Cold White	000	-	255	0% to 100%
				9	Cold White fine	000	

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7	7	10	Colour Temperature (affects Colour Mixing)	000	-	005	Off
				006	-	006	Warm white
				007	-	046	Warm white to 2700K
				047	-	047	Bulb White (2700K)
				048	-	087	2700K to 3200K
				088	-	088	Halogen White (3200K)
				089	-	128	3200K to 4000K
				129	-	129	Neutral White (4000K)
				130	-	169	4000K to 5600K
				170	-	170	Studio White (5600K)
				171	-	210	5600K to 6500K
				211	-	211	Daylight White (6500K)
				212	-	251	6500K to Cold white
				252	-	255	Cold white
	8		Pattern Selection	000	-	005	Off
				006	-	009	1
				010	-	013	2
				014	-	017	3
				018	-	021	4
				022	-	025	5
				026	-	029	6
				030	-	033	7
				034	-	037	8
				038	-	041	9
				042	-	045	10
				046	-	229	11 to 49
				230	-	255	50
	9		Pattern Position & Speed	000	-	005	Effect Pattern Speed Stop
				006	-	127	Effect Pattern Speed slow to fast
				128	-	255	Effect Pattern Speed fast to slow (backwards)
8	10	11	Device settings (hold 3 seconds) (please read remark 1*)	000	-	057	No function

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8	10	11	Device settings (hold 3 seconds) (please read remark 1*)	058	-	059	Pixel Mirroring Off
				060	-	061	Pixel Mirroring On
				062	-	073	No function
				074	-	075	Dimmer Response LED
				076	-	077	Dimmer Response Halogen
				078	-	081	No function
				082	-	083	DTW (Redshift) On
				084	-	085	DTW (Redshift) Off
				086	-	119	No function
				120	-	121	PWM 1 (650 Hz)
				122	-	123	PWM 2 (1530 Hz)
				124	-	125	PWM 3 (3600 Hz)
				126	-	127	PWM 4 (12000 Hz)
				128	-	129	PWM 5 (18900 Hz)
				130	-	131	PWM 6 (25000 Hz)
				132	-	133	RAW
				134	-	135	Factory Calibration
				136	-	137	User Calibration
				138	-	139	Smart Calibration
				140	-	141	Display Always On
				142	-	143	Display Off after 20s
				144	-	163	No function
				164	-	165	Dimmer Curve Linear
				166	-	167	Dimmer Curve Exponential
				168	-	169	Dimmer Curve Logarithmic
				170	-	171	Dimmer Curve S-Curve
				172	-	173	CCT Fade Maximum Brightness
				174	-	175	CCT Fade Constant Brightness
				176	-	239	No function
				240	-	241	Load Factory Defaults
				242	-	243	No function
				244	-	245	Load User Default A
246	-	247	Load User Default B				
248	-	249	Load User Default C				
250	-	255	No function				

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8CH Pixel	10CH Pixel CCT		
Channel	Channel	Function	Values
Colour = last setting in Stand Alone Mode CCT	1	Colour Temperature	000 - 005 Off
			006 - 006 Warm white
			007 - 046 Warm white to 2700K
			047 - 047 Bulb White (2700K)
			048 - 087 2700K to 3200K
			088 - 088 Halogen White (3200K)
			089 - 128 3200K to 4000K
			129 - 129 Neutral White (4000K)
			130 - 169 4000K to 5600K
			170 - 170 Studio White (5600K)
			171 - 210 5600K to 6500K
			211 - 211 Daylight White (6500K)
			212 - 251 6500K to Cold white
			252 - 255 Cold white
	2	Device settings (hold 3 seconds) (please read remark 1*)	000 - 057 No function
			058 - 059 Pixel Mirroring Off
			060 - 061 Pixel Mirroring On
			062 - 073 No function
			074 - 075 Dimmer Response LED
			076 - 077 Dimmer Response Halogen
			078 - 081 No function
			082 - 083 DTW (Redshift) On
			084 - 085 DTW (Redshift) Off
			086 - 119 No function
			120 - 121 PWM 1 (650 Hz)
			122 - 123 PWM 2 (1530 Hz)
			124 - 125 PWM 3 (3600 Hz)
			126 - 127 PWM 4 (12000 Hz)
			128 - 129 PWM 5 (18900 Hz)
			130 - 131 PWM 6 (25000 Hz)
			132 - 133 RAW
			134 - 135 Factory Calibration
136 - 137 User Calibration			
138 - 139 Smart Calibration			

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			140	-	141	Display Always On
			142	-	143	Display Off after 20s
			144	-	163	No function
			164	-	165	Dimmer Curve Linear
			166	-	167	Dimmer Curve Exponential
			168	-	169	Dimmer Curve Logarithmic
			170	-	171	Dimmer Curve S-Curve
			172	-	173	CCT Fade Maximum Brightness
			174	-	175	CCT Fade Constant Brightness
			176	-	239	No function
			240	-	241	Load Factory Defaults
			242	-	243	No function
			244	-	245	Load User Default A
			246	-	247	Load User Default B
			248	-	249	Load User Default C
			250	-	255	no function
	2	Device settings (hold 3 seconds) (please read remark 1*)				
1	3	Dimmer Pixel 1	000	-	255	0% to 100%
2	4	Dimmer Pixel 2	000	-	255	0% to 100%
3	5	Dimmer Pixel 3	000	-	255	0% to 100%
4	6	Dimmer Pixel 4	000	-	255	0% to 100%
5	7	Dimmer Pixel 5	000	-	255	0% to 100%
6	8	Dimmer Pixel 6	000	-	255	0% to 100%
7	9	Dimmer Pixel 7	000	-	255	0% to 100%
8	10	Dimmer Pixel 8	000	-	255	0% to 100%

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24CH Pixel	28CH Pixel Dim			
Channel	Channel	Function	Values	
	1	Dimmer	000 - 255	
	2	Dimmer fine	000 - 255	
	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
				4
058 - 059	Pixel Mirroring Off			
060 - 061	Pixel Mirroring On			
062 - 073	No function			
074 - 075	Dimmer Response LED			
076 - 077	Dimmer Response Halogen			
078 - 081	No function			
082 - 083	DTW (Redshift) On			
084 - 085	DTW (Redshift) Off			
086 - 119	No function			
120 - 121	PWM 1 (650 Hz)			
122 - 123	PWM 2 (1530 Hz)			
124 - 125	PWM 3 (3600 Hz)			
126 - 127	PWM 4 (12000 Hz)			
128 - 129	PWM 5 (18900 Hz)			
130 - 131	PWM 6 (25000 Hz)			
132 - 133	RAW			
134 - 135	Factory Calibration			
136 - 137	User Calibration			

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			138	-	139	Smart Calibration
			140	-	141	Display Always On
			142	-	143	Display Off after 20s
			144	-	163	No function
			164	-	165	Dimmer Curve Linear
			166	-	167	Dimmer Curve Exponential
			168	-	169	Dimmer Curve Logarithmic
			170	-	171	Dimmer Curve S-Curve
			172	-	173	CCT Fade Maximum Brightness
			174	-	175	CCT Fade Constant Brightness
			176	-	239	No function
			240	-	241	Load Factory Defaults
			242	-	243	No function
			244	-	245	Load User Default A
			246	-	247	Load User Default B
			248	-	249	Load User Default C
			250	-	255	No function
	4	Device settings (hold 3 seconds) (please read remark 1*)				
1	5	Amber 1	000	-	255	0% to 100%
2	6	Warm White 1	000	-	255	0% to 100%
3	7	Cold White 1	000	-	255	0% to 100%
4	8	Amber 2	000	-	255	0% to 100%
5	9	Warm White 2	000	-	255	0% to 100%
6	10	Cold White 2	000	-	255	0% to 100%
7	11	Amber 3	000	-	255	0% to 100%
8	12	Warm White 3	000	-	255	0% to 100%
9	13	Cold White 3	000	-	255	0% to 100%
10	14	Amber 4	000	-	255	0% to 100%
11	15	Warm White 4	000	-	255	0% to 100%
12	16	Cold White 4	000	-	255	0% to 100%
13	17	Amber 5	000	-	255	0% to 100%
14	18	Warm White 5	000	-	255	0% to 100%
15	19	Cold White 5	000	-	255	0% to 100%
16	20	Amber 6	000	-	255	0% to 100%
17	21	Warm White 6	000	-	255	0% to 100%
18	22	Cold White 6	000	-	255	0% to 100%
19	23	Amber 7	000	-	255	0% to 100%
20	24	Warm White 7	000	-	255	0% to 100%
21	25	Cold White 7	000	-	255	0% to 100%

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22	26	Amber 8	000	-	255	0% to 100%
23	27	Warm White 8	000	-	255	0% to 100%
24	28	Cold White 8	000	-	255	0% to 100%

26CH Pattern						
Channel	Function	Values				
1	Dimmer	000	-	255	0% to 100%	
2	Dimmer fine	000	-	255	0% to 100%	
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	
4	Amber	000	-	255	0% to 100%	
5	Amber fine	000	-	255	0% to 100%	
6	Warm White	000	-	255	0% to 100%	
7	Warm White fine	000	-	255	0% to 100%	
8	Cold White	000	-	255	0% to 100%	
9	Cold White fine	000	-	255	0% to 100%	
10	Colour Temperature (affects Colour Mixing)	000	-	005	Off	
		006	-	006	Warm white	
		007	-	046	Warm white to 2700K	
		047	-	047	Bulb White (2700K)	
		048	-	087	2700K to 3200K	
		088	-	088	Halogen White (3200K)	
		089	-	128	3200K to 4000K	
		129	-	129	Neutral White (4000K)	
130	-	169	4000K to 5600K			

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10	Colour Temperature (affects Colour Mixing)	170 - 170	Studio White (5600K)
		171 - 210	5600K to 6500K
		211 - 211	Daylight White (6500K)
		212 - 251	6500K to Cold white
		252 - 255	Cold white
11	Pattern Folder	000 - 005	Off
		006 - 064	Static Pattern 1
		065 - 128	Static Pattern 2
		129 - 192	Effect Pattern 1
		193 - 255	Effect Pattern 2
12	Pattern Selection	000 - 005	Off
		006 - 009	1
		010 - 013	2
		014 - 017	3
		018 - 021	4
		022 - 025	5
		026 - 029	6
		030 - 033	7
		034 - 037	8
		038 - 041	9
		042 - 045	10
		046 - 229	11 to 49
		230 - 255	50
13	Pattern Position & Speed	000 - 005	Effect Pattern Speed Stop
		006 - 127	Effect Pattern Speed slow to fast
		128 - 255	Effect Pattern Speed fast to slow (backwards)
14	Pattern Transition	000 - 005	0s (Off)
		006 - 255	0,1s to 5s
15	Pattern Fade/Wake Effect	000 - 005	off
		006 - 127	Fade 0% to 100%
		128 - 255	Wake 0% to 100%
16	Background Dimmer	000 - 255	0% to 100%
17	Background Dimmer fine	000 - 255	
18	Background Strobe	000 - 005	Open
		006 - 010	Closed
		011 - 022	Ramp up/down slow to fast

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18	Background Strobe	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
19	Background Amber	000 - 255	0% to 100%
20	Background Amber fine	000 - 255	
21	Background Warm White	000 - 255	0% to 100%
22	Background Warm White fine	000 - 255	
23	Background Cold White	000 - 255	0% to 100%
24	Background Cold White fine	000 - 255	0% to 100%
25	Background Colour Temperature (affects Background Colour Mixing)	000 - 005	Off
		006 - 006	Warm white
		007 - 046	Warm white to 2700K
		047 - 047	Bulb White (2700K)
		048 - 087	2700K to 3200K
		088 - 088	Halogen White (3200K)
		089 - 128	3200K to 4000K
		129 - 129	Neutral White (4000K)
		130 - 169	4000K to 5600K
		170 - 170	Studio White (5600K)
		171 - 210	5600K to 6500K
		211 - 211	Daylight White (6500K)
		212 - 251	6500K to Cold white
252 - 255	Cold white		

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26	Device settings (hold 3 seconds) (please read remark 1*)	000 - 057	No function
		058 - 059	Pixel Mirroring Off
		060 - 061	Pixel Mirroring On
		062 - 073	No function
		074 - 075	Dimmer Response LED
		076 - 077	Dimmer Response Halogen
		078 - 081	No function
		082 - 083	DTW (Redshift) On
		084 - 085	DTW (Redshift) Off
		086 - 119	No function
		120 - 121	PWM 1 (650 Hz)
		122 - 123	PWM 2 (1530 Hz)
		124 - 125	PWM 3 (3600 Hz)
		126 - 127	PWM 4 (12000 Hz)
		128 - 129	PWM 5 (18900 Hz)
		130 - 131	PWM 6 (25000 Hz)
		132 - 133	RAW
		134 - 135	Factory Calibration
		136 - 137	User Calibration
		138 - 139	Smart Calibration
		140 - 141	Display Always On
		142 - 143	Display Off after 20s
		144 - 163	No function
		164 - 165	Dimmer Curve Linear
		166 - 167	Dimmer Curve Exponential
		168 - 169	Dimmer Curve Logarithmic
		170 - 171	Dimmer Curve S-Curve
		172 - 173	CCT Fade Maximum Brightness
		174 - 175	CCT Fade Constant Brightness
		176 - 239	No function
		240 - 241	Load Factory Defaults
		242 - 243	No function
		244 - 245	Load User Default A
		246 - 247	Load User Default B
248 - 249	Load User Default C		
250 - 255	No function		

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D2CH Dim	D4CH CCT	D6CH Direct					
Channel	Channel	Channel	Function	Values			
1	1	1	Dimmer	000	-	255 0% to 100%	
Colour = last setting in Stand Alone Mode CCT	2	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	
		3		Amber	000	-	255 0% to 100%
		4		Warm White	000	-	255 0% to 100%
	5		Cold White	000	-	255 0% to 100%	
	3		Colour Temperature	000	-	005 Off	
				006	-	006 Warm white	
				007	-	046 Warm white to 2700K	
				047	-	047 Bulb White (2700K)	
				048	-	087 2700K to 3200K	
				088	-	088 Halogen White (3200K)	
				089	-	128 3200K to 4000K	
				129	-	129 Neutral White (4000K)	
				130	-	169 4000K to 5600K	
				170	-	170 Studio White (5600K)	
				171	-	210 5600K to 6500K	
				211	-	211 Daylight White (6500K)	
				212	-	251 6500K to Cold white	

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	3		Colour Temperature	252	-	255	Cold white
2	4	6	DMX Delay	000	-	005	Off (no Delay)
				006	-	255	0,1s to 2,0s

- EN:** (1\*) After the adjustments have been made, set the value to 000 to avoid disturbance by endless function call.
- DE:** (1\*) Nachdem die Einstellungen vorgenommen wurden, stellen Sie den Wert auf 000 ein, um Störungen durch endlosen Funktionsaufruf zu vermeiden.
- FR:** (1\*) Une fois les ajustements effectués, réglez la valeur sur 000 pour éviter les perturbations par appel de fonction sans fin.
- ES:** (1\*) Después de realizar los ajustes, establezca el valor en 000 para evitar perturbaciones mediante una llamada de función sin fin.
- PL:** (1\*) Po dokonaniu ustawień ustaw wartość na 000, aby uniknąć zakłóceń przez niekończące się wywołanie funkcji.
- IT:** (1\*) Dopo aver effettuato le regolazioni, impostare il valore su 000 per evitare disturbi causati da una chiamata a funzione infinita.