

E.SHOW mini TW+

3CH CCT	6CH DIRECT
3CH RGB	12CH DIRECT
6CH RGB	13CH DIRECT
9CH RGB	20CH DIRECT
11CH RGB (default mode)	3CH HSI
14CH RGB	10CH HSI

3 CH CCT MODE (Color Calibration)				
Ch.	Function	Value	Setting	
1	Dimmer	000-255	0 - 100%	
2	CTC	000 - 004	5600K	according to CTC chart
		005-226	2000K-6500K linear in 20-21K steps	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K step	
3	Tint	0	no function	
		001-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
3 CH - RGB MODE (Color Calibration)				
Ch.	Function	Value	Setting	
1	Red	000-255	0 - 100%	
2	Green	000-255	0 - 100%	
3	Blue	000-255	0 - 100%	
6 CH RGB MODE - (Color Calibration)				
Ch.	Function	Value	Setting	
1	Red	000-255	0 - 100%	
2	Red Fine	000-255	0 - 100%	
3	Green	000-255	0 - 100%	
4	Green Fine	000-255	0 - 100%	
5	Blue	000-255	0 - 100%	
6	Blue Fine	000-255	0 - 100%	

9 CH RGB MODE - (Color Calibration)

Ch.	Function	Value	Setting
1	Dimmer	000-255	0 - 100%
2	Shutter	000 - 019	Shutter close
		020 - 024	Shutter open
		025 - 064	Strobe 1 (fast ⊕ slow)
		065 - 069	Shutter open
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)
		085 - 089	Shutter open
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)
		105 - 109	Shutter open
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)
		125 - 129	Shutter open
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)
		145 - 149	Shutter open
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)
		165 - 169	Shutter open
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)
		185 - 189	Shutter open
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)
		205 - 209	Shutter open
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)
		225 - 229	Shutter open
230 - 244	Strobe 10: burst (fast ⊕ slow)		
245 - 255	Shutter open		
3	Red	000-255	0 - 100%
4	Green	000-255	0 - 100%
5	Blue	000-255	0 - 100%
6	CTC (affects RGB)	000 - 004	5600K
		005-226	2000K-6500K linear in 20-21K steps
		182-182	5600K
		226-226	6500K
		227-255	6621K-10.000K linear in 120-121K steps
according to CTC chart			
7	Tint (affects CTC and RGB)	0	no function
		001-127	Magenta -> Neutral
		128-128	Neutral
		129-255	Neutral -> Green
8	Color Macro (override RGB/CTC)		Please see color macro chart
9	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	No function
		006-105	0,1s - 10s (0,1s steps)
		106-214	11s - 119s (1s steps)
		215-244	2m - 4m50s (10s steps)
		245-255	5m - 15m (1m steps)

11 CH RGB Mode (Color Calibration) default mode

1	Dimmer Center	000-255	0 - 100%	
2	Shutter	000 - 019	Shutter close	
		020 - 024	Shutter open	
		025 - 064	Strobe 1 (fast ⊕ slow)	
		065 - 069	Shutter open	
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)	
		085 - 089	Shutter open	
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)	
		105 - 109	Shutter open	
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)	
		125 - 129	Shutter open	
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)	
		145 - 149	Shutter open	
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)	
		165 - 169	Shutter open	
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)	
		185 - 189	Shutter open	
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)	
		205 - 209	Shutter open	
210 - 224	Strobe 9: sine wave (fast ⊕ slow)			
225 - 229	Shutter open			
230 - 244	Strobe 10: burst (fast ⊕ slow)			
245 - 255	Shutter open			
3	Duration (only affects to channel 2 - Strobe 1 025-064)	000-255	0 - 100%	(only affects to channel 2 - Strobe 1 - 025-064)
4	Red	000-255	0 - 100%	
5	Green	000-255	0 - 100%	
6	Blue	000-255	0 - 100%	
7	CTC (affects RGB)	000 - 004	5600K	according to CTC chart
		005-226	2000K-6500K linear in 20-21K steps	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps	
8	Tint (affects CTC and RGB)	0	No function	
		001-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
9	Color Macro (override RGB/CTC)		Please see color macro chart	

10	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
11	Device Settings (please see remark *1)	000-029	No function	
		030-034	Linear Dimmer Curve (hold 3s)	
		035-039	Exponential Dimmer Curve (hold 3s)	
		040-044	Logarithmic Dimmer Curve (hold 3s)	
		045-049	S-Curve Dimmer Curve (hold 3s)	
		050-054	Dimmer Response LED (Hold 1,5s)	
		055-059	Dimmer Response Halogen (Hold 1,5s)	
		060-094	No function	
		095-099	LED Frequency 800Hz (hold 3s)	
		100-104	LED Frequency 1200Hz (hold 3s)	
		105-109	LED Frequency 2000Hz (hold 3s)	
		110-114	LED Frequency 3600Hz (hold 3s)	
		115-119	LED Frequency 12kHz (hold 3s)	
		120-124	LED Frequency 25kHz (hold 3s)	
		125-129	No function	
		130-134	Fan Auto (hold 3s)	
		135-139	Fan Silent (hold 3s)	
		140-144	Fan Studio (hold 3s)	
		145-149	Fan Off (hold 3s)	
		150-154	Fan High Power (hold 3s)	
		155-159	No function	
		160-164	Redshift On (Hold 1,5s)	Redshift affects only between 2700-3500K
		165-169	Redshift Off (Hold 1,5s)	
		170-174	No function	
		175-179	Full Calibration (Colors & CCT / Hold 3s)	
		180-189	Factory Reset (hold 3s) - except User Reset defaults	
		190-194	User Reset (hold 3s) - except User Colors	
		195-244	No function	
		245-249	Snapshot (hold 1,5s)	
		250-255	No function	

14 CH RGB Mode (Color Calibration)

Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Dimmer Fine	000-255	0 - 100%
3	Shutter	000 - 019	Shutter close
		020 - 024	Shutter open
		025 - 064	Strobe 1 (fast ⊕ slow)
		065 - 069	Shutter open
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)
		085 - 089	Shutter open
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)
		105 - 109	Shutter open
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)
		125 - 129	Shutter open
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)
		145 - 149	Shutter open
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)
		165 - 169	Shutter open
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)
		185 - 189	Shutter open
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)
205 - 209	Shutter open		
210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
225 - 229	Shutter open		
230 - 244	Strobe 10: burst (fast ⊕ slow)		
245 - 255	Shutter open		
4	Red	000-255	0 - 100%
5	Red Fine	000-255	0 - 100%
6	Green	000-255	0 - 100%
7	Green Fine	000-255	0 - 100%
8	Blue	000-255	0 - 100%
9	Blue Fine	000-255	0 - 100%
10	CTC (affects RGB/Fine)	000 - 004	5600K
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)
		182-182	5600K
		226-226	6500K
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)
			according to CTC chart
11	Tint (affects CTC and RGB/Fine)	0	No function
		001-127	Magenta -> Neutral
		128-128	Neutral
		129-255	Neutral -> Green
12	Color Macro (override RGB+Fine/CTC)		Please see color macro chart

13	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
14	Device Settings (please see remark *1)	000-029	No function	
		030-034	Linear Dimmer Curve (hold 3s)	
		035-039	Exponential Dimmer Curve (hold 3s)	
		040-044	Logarithmic Dimmer Curve (hold 3s)	
		045-049	S-Curve Dimmer Curve (hold 3s)	
		050-054	Dimmer Response LED (Hold 1,5s)	
		055-059	Dimmer Response Halogen (Hold 1,5s)	
		060-094	No function	
		095-099	LED Frequency 800Hz (hold 3s)	
		100-104	LED Frequency 1200Hz (hold 3s)	
		105-109	LED Frequency 2000Hz (hold 3s)	
		110-114	LED Frequency 3600Hz (hold 3s)	
		115-119	LED Frequency 12kHz (hold 3s)	
		120-124	LED Frequency 25kHz (hold 3s)	
		125-129	No function	
		130-134	Fan Auto (hold 3s)	
		135-139	Fan Silent (hold 3s)	
		140-144	Fan Studio (hold 3s)	
		145-149	Fan Off (hold 3s)	
		150-154	Fan High Power (hold 3s)	
		155-159	No function	
		160-164	Redshift On (Hold 1,5s)	Redshift affects only between 2700-3500K
		165-169	Redshift Off (Hold 1,5s)	
		170-174	No function	
		175-179	Full Calibration (Colors & CCT / Hold 3s)	
		180-189	Factory Reset (hold 3s) - except User Reset defaults	
		190-194	User Reset (hold 3s) - except User Colors	
195-244	No function			
245-249	Snapshot (hold 1,5s)			
250-255	No function			

6 CH - DIRECT MODE (RAW Balance)

Ch.	Function	Value	Setting
1	Red	000-255	0 - 100%
2	Green	000-255	0 - 100%
3	Blue	000-255	0 - 100%
4	Amber	000-255	0 - 100%
5	Lime	000-255	0 - 100%

6	Cyan	000-255	0 - 100%
12 CH - DIRECT MODE (RAW Balance)			
Ch.	Function	Value	Setting
1	Red	000-255	0 - 100%
2	Red Fine	000-255	0 - 100%
3	Green	000-255	0 - 100%
4	Green Fine	000-255	0 - 100%
5	Blue	000-255	0 - 100%
6	Blue Fine	000-255	0 - 100%
7	Amber	000-255	0 - 100%
8	Amber Fine	000-255	0 - 100%
9	Lime	000-255	0 - 100%
10	Lime Fine	000-255	0 - 100%
11	Cyan	000-255	0 - 100%
12	Cyan Fine	000-255	0 - 100%
13 CH - DIRECT MODE (RAW Balance)			
Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Shutter	000 - 019	Shutter close
		020 - 024	Shutter open
		025 - 064	Strobe 1 (fast ⊕ slow)
		065 - 069	Shutter open
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)
		085 - 089	Shutter open
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)
		105 - 109	Shutter open
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)
		125 - 129	Shutter open
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)
		145 - 149	Shutter open
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)
		165 - 169	Shutter open
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)
		185 - 189	Shutter open
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)
		205 - 209	Shutter open
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)
		225 - 229	Shutter open
230 - 244	Strobe 10: burst (fast ⊕ slow)		
245 - 255	Shutter open		

3	Red	000-255	0 - 100%	
4	Green	000-255	0 - 100%	
5	Blue	000-255	0 - 100%	
6	Amber	000-255	0 - 100%	
7	Lime	000-255	0 - 100%	
8	Cyan	000-255	0 - 100%	
9	CTC (affects RGBALC)	000 - 004	RAW	according to CTC chart
		005-226	2000K-6500K linear in 20-21K steps	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps	
10	Tint (affects CTC and RGBALC)	0	no function	
		001-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
11	Color Macro (override RGBALC/CTC)		Please see color macro chart	
12	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
13	Device Settings (please see remark *1)	000-029	No function	
		030-034	Linear Dimmer Curve (hold 3s)	
		035-039	Exponential Dimmer Curve (hold 3s)	
		040-044	Logarithmic Dimmer Curve (hold 3s)	
		045-049	S-Curve Dimmer Curve (hold 3s)	
		050-054	Dimmer Response LED (Hold 1,5s)	
		055-059	Dimmer Response Halogen (Hold 1,5s)	
		060-069	No function	
		070-074	RAW Mode (hold 3s)	
		075-079	User Calibrated Mode (hold 3s)	
		080-094	No function	
		095-099	LED Frequency 800Hz (hold 3s)	
		100-104	LED Frequency 1200Hz (hold 3s)	
		105-109	LED Frequency 2000Hz (hold 3s)	
		110-114	LED Frequency 3600Hz (hold 3s)	
		115-119	LED Frequency 12kHz (hold 3s)	
		120-124	LED Frequency 25kHz (hold 3s)	
		125-129	No function	
		130-134	Fan Auto (hold 3s)	
		135-139	Fan Silent (hold 3s)	
140-144	Fan Studio (hold 3s)			

13	Device Settings (please see remark *1)	145-149	Fan Off (hold 3s)	
		150-154	Fan High Power (hold 3s)	
		155-159	No function	
		160-164	Redshift On (Hold 1,5s)	Redshift affects only between 2700-3500K
		165-169	Redshift Off (Hold 1,5s)	
		170-179	No function	
		180-189	Factory Reset (hold 3s) - except User Reset defaults	
		190-194	User Reset (hold 3s) - except User Colors	
		195-244	No function	
		245-249	Snapshot (hold 1,5s)	
		250-255	No function	

20 CH - DIRECT MODE (RAW Balance)

Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Dimmer Fine	000-255	0 - 100%
3	Shutter	000 - 019	Shutter close
		020 - 024	Shutter open
		025 - 064	Strobe 1 (fast ⊕ slow)
		065 - 069	Shutter open
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)
		085 - 089	Shutter open
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)
		105 - 109	Shutter open
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)
		125 - 129	Shutter open
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)
		145 - 149	Shutter open
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)
		165 - 169	Shutter open
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)
		185 - 189	Shutter open
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)
		205 - 209	Shutter open
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)
		225 - 229	Shutter open
230 - 244	Strobe 10: burst (fast ⊕ slow)		
245 - 255	Shutter open		
4	Red	000-255	0 - 100%
5	Red Fine	000-255	0 - 100%
6	Green	000-255	0 - 100%
7	Green Fine	000-255	0 - 100%
8	Blue	000-255	0 - 100%

9	Blue Fine	000-255	0 - 100%	
10	Amber	000-255	0 - 100%	
11	Amber Fine	000-255	0 - 100%	
12	Lime	000-255	0 - 100%	
13	Lime Fine	000-255	0 - 100%	
14	Cyan	000-255	0 - 100%	according to CTC chart
15	Cyan Fine	000-255	0 - 100%	
16	CTC (affects RGBALC/ Fine)	000 - 004	RAW	
		005-226	2000K-6500K linear in 20-21K steps	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps	
17	Tint (affects CTC and RGBALC/Fine)	0	No function	
		001-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
18	Color Macro (override RGBALC+Fine/CTC)		Please see color macro chart	
19	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
20	Device Settings (please see remark *1)	000-029	No function	
		030-034	Linear Dimmer Curve (hold 3s)	
		035-039	Exponential Dimmer Curve (hold 3s)	
		040-044	Logarithmic Dimmer Curve (hold 3s)	
		045-049	S-Curve Dimmer Curve (hold 3s)	
		050-054	Dimmer Response LED (Hold 1,5s)	
		055-059	Dimmer Response Halogen (Hold 1,5s)	
		060-069	No function	
		070-074	RAW Mode (hold 3s)	
		075-079	User Calibrated Mode (hold 3s)	
		080-094	No function	
		095-099	LED Frequency 800Hz (hold 3s)	
		100-104	LED Frequency 1200Hz (hold 3s)	
		105-109	LED Frequency 2000Hz (hold 3s)	
		110-114	LED Frequency 3600Hz (hold 3s)	
		115-119	LED Frequency 12kHz (hold 3s)	
		120-124	LED Frequency 25kHz (hold 3s)	
125-129	No function			
130-134	Fan Auto (hold 3s)			

20	Device Settings (please see remark *1)	135-139	Fan Silent (hold 3s)		
		140-144	Fan Studio (hold 3s)		
		145-149	Fan Off (hold 3s)		
		150-154	Fan High Power (hold 3s)	Redshift affects only between 2700-3500K	
		155-159	No function		
		160-164	Redshift On (Hold 1,5s)		
		165-169	Redshift Off (Hold 1,5s)		
		170-179	No function		
		180-189	Factory Reset (hold 3s) - except User Reset defaults		
		190-194	User Reset (hold 3s) - except User Colors		
		195-244	No function		
		245-249	Snapshot (hold 1,5s)		
		250-255	No function		
		3 CH - HSI MODE (Color Calibration)			
Ch.	Function	000-255	0 - 100%		
1	Dimmer	000-255	0° (RED) Thru 360°		
2	Hue	000-255	0 - 100%		
3	Saturation	000-255	0 - 100%		
10 CH - HSI MODE (Color Calibration)					
Ch.	Function	Value	Setting		
1	Dimmer	000-255	0 - 100%		
2	Dimmer Fine	000-255	0 - 100%		

3	Shutter	000 - 019	Shutter close	
		020 - 024	Shutter open	
		025 - 064	Strobe 1 (fast ⊕ slow)	according to CTC chart
		065 - 069	Shutter open	
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)	
		085 - 089	Shutter open	
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)	
		105 - 109	Shutter open	
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)	
		125 - 129	Shutter open	
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)	
		145 - 149	Shutter open	
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)	
		165 - 169	Shutter open	
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)	
		185 - 189	Shutter open	
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)	
		205 - 209	Shutter open	
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)	
		225 - 229	Shutter open	
230 - 244	Strobe 10: burst (fast ⊕ slow)			
245 - 255	Shutter open			
4	Hue	000-255	0° (RED) Thru 360°	
5	Saturation	000-255	0 - 100% (CTC-->HUE)	
6	CTC (affects HUE and Saturation) --> CTC no effect if Saturation to 100%	000 - 004	5600K	
		005-226	2000K-6500K linear in 20-21K steps	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps	
7	Tint (affects CTC, HUE and Saturation). --> Tint no effect if Saturation to 100%	0	No function	
		001-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
8	Color Macro (override HUE/ SATURATION/CTC)		Please see color macro chart	
9	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	Redshift affects only between 2700-3500K

10	Device Settings (please see remark *1)	000-029	No function
		030-034	Linear Dimmer Curve (hold 3s)
		035-039	Exponential Dimmer Curve (hold 3s)
		040-044	Logarithmic Dimmer Curve (hold 3s)
		045-049	S-Curve Dimmer Curve (hold 3s)
		050-054	Dimmer Response LED (Hold 1,5s)
		055-059	Dimmer Response Halogen (Hold 1,5s)
		060-094	No function
		095-099	LED Frequency 800Hz (hold 3s)
		100-104	LED Frequency 1200Hz (hold 3s)
		105-109	LED Frequency 2000Hz (hold 3s)
		110-114	LED Frequency 3600Hz (hold 3s)
		115-119	LED Frequency 12kHz (hold 3s)
		120-124	LED Frequency 25kHz (hold 3s)
		125-129	No function
		130-134	Fan Auto (hold 3s)
		135-139	Fan Silent (hold 3s)
		140-144	Fan Studio (hold 3s)
		145-149	Fan Off (hold 3s)
		150-154	Fan High Power (hold 3s)
		155-159	No function
		160-164	Redshift On (Hold 1,5s)
		165-169	Redshift Off (Hold 1,5s)
		170-174	No function
		175-179	Full Calibration (Colors & CCT / Hold 3s)
		180-189	Factory Reset (hold 3s) - except User Reset defaults
		190-194	User Reset (hold 3s) - except User Colors
		195-244	No function
245-249	Snapshot (hold 1,5s)		
250-255	No function		
remark *1	After adjustments please set the value back to 000 to avoid any disturbance by endless function call.		

