

B.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	Tint channel active in CCT mode
		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
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)

according to CTC chart
in CCT mode

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	
		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	Runtime Off (hold 3s)	
		135-139	Runtime 8h (hold 3s)	
		140-144	Runtime 12h (hold 3s)	
		145-149	Runtime 16h (hold 3s)	
		150-154	Runtime 20h (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	Full Calibration (Colors & CCT / Hold 3s)	
		175-179	CCT Calibration (CCT only / RAW Colors / Hold 3s)	
		180-184	Factory Reset (hold 3s) - except User Reset defaults	
		185-189	User Reset (hold 3s) - except User Colors.	
		190-255	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)
11	Tint (affects CTC and RGB/Fine)	0	No function
		001-127	Magenta -> Neutral
		128-128	Neutral
		129-255	Neutral -> Green
12	Color Macro (over-ride RGB+Fine/CTC)		Please see color macro chart

according to CTC chart
Tint channel active
in CCT mode

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	Runtime Off (hold 3s)	
		135-139	Runtime 8h (hold 3s)	
		140-144	Runtime 12h (hold 3s)	
		145-149	Runtime 16h (hold 3s)	
		150-154	Runtime 20h (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	Full Calibration (Colors & CCT / Hold 3s)	
		175-179	CCT Calibration (CCT only / RAW Colors / Hold 3s)	
		180-184	Factory Reset (hold 3s) - except User Reset defaults	
		185-189	User Reset (hold 3s) - except User Colors.	
		190-255	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	Tint channel active in CCT mode
		001-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
11	Color Macro (over-ride 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 Calibration 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	Runtime Off (hold 3s)	
		135-139	Runtime 8h (hold 3s)	
		140-144	Runtime 12h (hold 3s)	

13	Device Settings (please see remark *1)	145-149	Runtime 16h (hold 3s)	
		150-154	Runtime 20h (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	
		180-184	Factory Reset (hold 3s) - except User Reset defaults	
		185-189	User Reset (hold 3s) - except User Colors.	
		190-255	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%		
15	Cyan Fine	000-255	0 - 100%		
16	CTC (affects RGBALC/ Fine)	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		
17	Tint (affects CTC and RGBALC/Fine)	0	No function		Tint channel active in CCT mode
		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 Calibration 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	Runtime Off (hold 3s)		
		135-139	Runtime 8h (hold 3s)		
		140-144	Runtime 12h (hold 3s)		

20	Device Settings (please see remark *1)	145-149	Runtime 16h (hold 3s)	
		150-154	Runtime 20h (hold 3s)	
		155-159	No function	
		160-164	Redshift On (Hold 1,5s)	
		165-169	Redshift Off (Hold 1,5s)	Redshift affects only between 2700-3500K
		170-179	No function	
		180-184	Factory Reset (hold 3s) - except User Reset defaults	
		185-189	User Reset (hold 3s) - except User Colors	
		190-255	No function	
3 CH - HSI MODE (Color Calibration)				
Ch.	Function	Value	Setting	
1	Dimmer	000-255	0 - 100%	
2	Hue	000-255	0° (RED) Thru 360°	
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)	
		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)	
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	Runtime Off (hold 3s)	
		135-139	Runtime 8h (hold 3s)	
		140-144	Runtime 12h (hold 3s)	
		145-149	Runtime 16h (hold 3s)	
		150-154	Runtime 20h (hold 3s)	
		155-159	No function	Redshift affects only between 2700-3500K
		160-164	Redshift On (Hold 1,5s)	
		165-169	Redshift Off (Hold 1,5s)	
		170-174	Full Calibration (Colors & CCT / Hold 3s)	

		175-179	CCT Calibration (CCT only / RAW Colors / Hold 3s)
		180-184	Factory Reset (hold 3s) - except User Reset defaults
		185-189	User Reset (hold 3s) - except User Colors
		190-255	No function
remark *1		After adjustments please set the value back to 000 to avoid any disturbance by endless function call.	

