

ROXX NEO

Wash-/Flood-Light

3CH CCT	9CH DIRECT
3CH RGB	21CH DIRECT
6CH RGB	26CH DIRECT
8CH RGB	17CH HSI
19CH RGB / Default Mode	16CH Pure Mode
23CH RGB	29CH Pure Mode
4CH DIRECT	28CH Full Access Mode
8CH DIRECT	44CH Pure Mode

Channel	3CH CCT	3CH RGB	6CH RGB	8CH RGB	19CH RGB (default)	23CH RGB
1	Dimmer	Red	Red	Dimmer	Dimmer	Dimmer
2	CTC	Green	Red Fine	Shutter	Shutter	Dimmer Fine
3	Tint	Blue	Green	Red	Duration	Shutter
4			Green Fine	Green	Red	Duration
5			Blue	Blue	Green	Red
6			Blue Fine	CTC	Blue	Red Fine
7				Tint	CTC	Green
8				Device Settings	Tint	Green Fine
9					Color Macro	Blue
10					Color Macro Crossfade	Blue Fine
11					Pattern Dimmer	CTC
12					Pattern selection	Tint
13					Pattern selection X-fade	Color Macro
14					Pattern speed	Color Macro Crossfade
15					Pattern X-fade	Pattern Dimmer
16					Pattern Red	Pattern selection
17					Pattern Green	Pattern selection X-fade
18					Pattern Blue	Pattern speed
19					Device Settings	Pattern X-fade
20						Pattern Red
21						Pattern Green
22						Pattern Blue
23						Device Settings

Channel	4CH DIRECT	8CH DIRECT	9CH DIRECT	21CH DIRECT	26CH DIRECT	17CH HSI
1	Red	Red	Dimmer	Dimmer	Dimmer	Dimmer
2	Green	Red Fine	Shutter	Shutter	Dimmer Fine	Dimmer Fine
3	Blue	Green	Red	Duration	Shutter	Shutter
4	Lime	Green Fine	Green	Red	Duration	Hue
5		Blue	Blue	Green	Red	Saturation
6		Blue Fine	Lime	Blue	Red Fine	CTC
7		Lime	CTC	Lime	Green	Tint
8		Lime Fine	Tint	CTC	Green Fine	Color Macro
9			Device Settings	Tint	Blue	Color Macro Crossfade
10				Color Macro	Blue Fine	Pattern Dimmer
11				Color Macro Crossfade	Lime	Pattern selection
12				Pattern Dimmer	Lime Fine	Pattern selection X-fade
13				Pattern selection	CTC	Pattern speed
14				Pattern selection X-fade	Tint	Pattern X-fade
15				Pattern speed	Color Macro	Hue
16				Pattern X-fade	Color Macro Crossfade	Saturation
17				Pattern Red	Pattern Dimmer	Device Settings
18				Pattern Green	Pattern selection	
19				Pattern Blue	Pattern selection X-fade	
20				Pattern Lime	Pattern speed	
21				Device Settings	Pattern X-fade	
22					Pattern Red	
23					Pattern Green	
24					Pattern Blue	
25					Pattern Lime	
26					Device Settings	

Channel	16CH PURE	29CH PURE	28 CH Full Acces	Channel	44CH Pure Mode	Channel	44CH Pure Mode
1	Master Dimmer	Master Dimmer	Master Dimmer	1	Master Dimmer	30	Segment 2 Blue
2	Shutter	Master Dimmer fine	Shutter	2	Master Dimmer fine	31	Segment 2 Blue fine
3	Duration	Shutter	Duration	3	Shutter	32	Segment 3 Red
4	Segment 1 Red	Duration	Pattern Dimmer	4	Duration	33	Segment 3 Red fine
5	Segment 1 Green	Segment 1 Red	Pattern selection	5	Pattern Dimmer	34	Segment 3 Green
6	Segment 1 Blue	Segment 1 Red fine	Pattern selection X-fade	6	Pattern selection	35	Segment 3 Green fine
7	Segment 2 Red	Segment 1 Green	Pattern speed	7	Pattern selection X-fade	36	Segment 3 Blue
8	Segment 2 Green	Segment 1 Green fine	Pattern X-fade	8	Pattern Speed	37	Segment 3 Blue fine
9	Segment 2 Blue	Segment 1 Blue	Pattern Red	9	Pattern X-fade	38	Segment 4 Red
10	Segment 3 Red	Segment 1 Blue fine	Pattern Green	10	Pattern Red	39	Segment 4 Red fine
11	Segment 3 Green	Segment 2 Red	Pattern Blue	11	Pattern Red fine	40	Segment 4 Green
12	Segment 3 Blue	Segment 2 Red fine	CTC	12	Pattern Green	41	Segment 4 Green fine
13	Segment 4 Red	Segment 2 Green	Tint	13	Pattern Green fine	42	Segment 4 Blue
14	Segment 4 Green	Segment 2 Green fine	Color Macro	14	Pattern Blue	43	Segment 4 Blue fine
15	Segment 4 Blue	Segment 2 Blue	Color Macro Crossfade	15	Pattern Blue fine	44	Device Settings
16	Device Settings	Segment 2 Blue fine	Segment 1 Red	16	CTC		
17		Segment 3 Red	Segment 1 Green	17	Tint		
18		Segment 3 Red fine	Segment 1 Blue	18	Color Macro		
19		Segment 3 Green	Segment 2 Red	19	Color Macro Crossfade		
20		Segment 3 Green fine	Segment 2 Green	20	Segment 1 Red		
21		Segment 3 Blue	Segment 2 Blue	21	Segment 1 Red fine		
22		Segment 3 Blue fine	Segment 3 Red	22	Segment 1 Green		
23		Segment 4 Red	Segment 3 Green	23	Segment 1 Green fine		
24		Segment 4 Red fine	Segment 3 Blue	24	Segment 1 Blue		
25		Segment 4 Green	Segment 4 Red	25	Segment 1 Blue fine		
26		Segment 4 Green fine	Segment 4 Green	26	Segment 2 Red		
27		Segment 4 Blue	Segment 4 Blue	27	Segment 2 Red fine		
28		Segment 4 Blue fine	Device Settings	28	Segment 2 Green		
29		Device Settings		29	Segment 2 Green fine		

3CH CCT

9CH DIRECT

3CH RGB

21CH DIRECT

6CH RGB

26CH DIRECT

8CH RGB

17CH HSI

19CH RGB / Default Mode

16CH Pure Mode

23CH RGB

29CH Pure Mode

4CH DIRECT

28CH Full Access Mode

8CH DIRECT

44CH Pure Mode

3 CH CCT MODE (Color Calibrated)

Ch.	Function	Value	Setting	Default	
1	Dimmer	000-255	0 - 100%	0	
2	CTC	000 - 004	5600K	according to CTC chart	0
		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)		
3	Tint (affects CCT)	0	no function	128	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		

3 CH - RGB MODE (Color Calibrated)

Ch.	Function	Value	Setting	Default
1	Red	000-255	0 - 100%	0
2	Green	000-255	0 - 100%	0
3	Blue	000-255	0 - 100%	0

6 CH - RGB MODE (Color Calibrated)

Ch.	Function	Value	Setting	Default
1	Red	000-255	0 - 100%	0
2	Red Fine	000-255	0 - 100%	0
3	Green	000-255	0 - 100%	0
4	Green Fine	000-255	0 - 100%	0
5	Blue	000-255	0 - 100%	0
6	Blue Fine	000-255	0 - 100%	0

8 CH - RGB (Color Calibrated)

Ch.	Function	Value	Setting	Default
1	Dimmer	000-255	0 - 100%	0
2	Shutter	000 - 019	Shutter close	20
		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%	255
4	Green	000-255	0 - 100%	255
5	Blue	000-255	0 - 100%	255
6	CTC (affects RGB)	000 - 004	5600K	according to CTC chart
		005-226	2000K-6500K (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K (please see detailed CTC chart)	
7	Tint (affects CTC, RGB)	0	no function	128
		001-127	Magenta ⊕ Neutral	
		128-128	Neutral	
		129-255	Neutral ⊕ Green	
8	Device Settings		according to Device Settings RGB mode (p.24)	0

19 CH RGB Mode (Color Calibrated) - Default mode

Ch.	Function	Value	Setting	Default
1	Dimmer	000-255	0 - 100%	0
2	Shutter	000 - 019	Shutter close	20
		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%	0
4	Red	000-255	0 - 100%	affects main & pattern background color
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 (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)	
8	Tint (affects CTC and RGB)	0	no function	128
		001-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	

9	Color Macro (override RGB/CTC)		according to Color Macro Chart	affects main & pattern background color	0
10	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function		0
		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	Pattern Dimmer	000-255			255
12	Pattern selection	000-255		according to Pattern chart	0
13	Pattern selection X-fade	000 - 005	no function		0
		006-255	1s - 250s (1s steps)		
14	Pattern speed	000-005	No Function		0
		006-124	Left to Right / Fast to slow		
		125-130	No Function		
		131-249	Right to Left / Slow to fast		
		250-255	No Function		
15	Pattern X-fade	000-005	Snap from cell to cell		0
		006-255	Fade Duration short to long		
16	Pattern Red	000-255	0 - 100%		255
17	Pattern Green	000-255	0 - 100%		255
18	Pattern Blue	000-255	0 - 100%		255
19	Device Settings			according to Device Settings RGB mode (p.24)	0

23 CH RGB Mode (Color Calibrated)

Ch.	Function	Value	Setting	Default
1	Dimmer	000-255	0 - 100%	0
2	Dimmer Fine	000-255	0 - 100%	0
3	Shutter	000 - 019	Shutter close	20
		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)			

23 CH RGB Mode (Color Calibrated)

3	Shutter	185 - 189	Shutter open		20	
		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	Duration (only affects to channel 3 - Strobe 1 025-064)	000-255	0 - 100%		0	
5	Red	000-255	0 - 100%	affects main & pattern background color	255	
6	Red Fine	000-255	0 - 100%		255	
7	Green	000-255	0 - 100%		255	
8	Green Fine	000-255	0 - 100%		255	
9	Blue	000-255	0 - 100%		255	
10	Blue Fine	000-255	0 - 100%		255	
11	CTC (affects RGB)	000 - 004	5600K		according to CTC chart	0
		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)			
12	Tint (affects CTC and RGB)	0	no function		128	
		001-127	Magenta -> Neutral			
		128-128	Neutral			
		129-255	Neutral -> Green			
13	Color Macro (override RGB /CTC)		According to Color Macro Chart	affects main & pattern background color	0	
14	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function		0	
		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)			
15	Pattern Dimmer	000-255			255	
16	Pattern selection	000-255	according to Pattern chart		0	
17	Pattern selection X-fade	000 - 005	no function		0	
		006-255	1s - 250s (1s steps)			
18	Pattern speed	000-005	No Function		0	
		006-124	Left to Right / Fast to slow			
		125-130	No Function			
		131-249	Right to Left / Slow to fast			
		250-255	No Function			

23 CH RGB Mode (Color Calibrated)

19	Pattern X-fade	000-005	Snap from cell to cell	0
		006-255	Fade Duration short to long	
20	Pattern Red	000-255	0 - 100%	255
21	Pattern Green	000-255	0 - 100%	255
22	Pattern Blue	000-255	0 - 100%	255
23	Device Settings			according to Device Settings RGB mode (p.24)

4 CH - DIRECT MODE (RAW Balance)

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

8 CH - DIRECT MODE (RAW Balance)

Ch.	Function	Value	Setting	Default
1	Red	000-255	0 - 100%	0
2	Red Fine	000-255	0 - 100%	0
3	Green	000-255	0 - 100%	0
4	Green Fine	000-255	0 - 100%	0
5	Blue	000-255	0 - 100%	0
6	Blue Fine	000-255	0 - 100%	0
7	Lime	000-255	0 - 100%	0
8	Lime Fine	000-255	0 - 100%	0

9 CH - DIRECT MODE (RAW Balance)

Ch.	Function	Value	Setting	Default
1	Dimmer	000-255	0 - 100%	0
2	Shutter	000 - 019	Shutter close	20
		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	

2	Shutter	170 - 184	Strobe 7: burst pulse (fast ⊕ slow)	20	
		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%	255	
4	Green	000-255	0 - 100%	255	
5	Blue	000-255	0 - 100%	255	
6	Lime	000-255	0 - 100%	255	
7	CTC (affects RGLB)	000 - 004	RAW	according to CTC chart	0
		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)		
8	Tint (affects CTC and RGLB)	0	no function	128	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
9	Device Settings		according to Device Settings Direct mode (p.26)	0	

21 CH - DIRECT MODE (RAW Balance)

Ch.	Function	Value	Setting	Default
1	Dimmer	000-255	0 - 100%	0
2	Shutter	000 - 019	Shutter close	20
		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			

21 CH - DIRECT MODE (RAW Balance)

2	Shutter	190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		020
		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%		0
4	Red	000-255	0 - 100%		255
5	Green	000-255	0 - 100%		255
6	Blue	000-255	0 - 100%		255
7	Lime	000-255	0 - 100%		255
8	CTC (affects RGLB)	000 - 004	RAW	according to CTC chart	0
		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)		
9	Tint (affects CTC and RGLB)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
10	Color Macro (override RGLB,CTC)		according to Color Macro Chart	affects main & pattern background color	0
11	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function		0
		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)		
12	Pattern Dimmer	000-255			255
13	Pattern selection	000-255	according to Pattern chart		0
14	Pattern selection X-fade	000 - 005	no function		0
		006-255	1s - 250s (1s steps)		
15	Pattern speed	000-005	No Function		0
		006-124	Left to Right / Fast to slow		
		125-130	No Function		
		131-249	Right to Left / Slow to fast		
		250-255	No Function		
16	Pattern X-fade	000-005	Snap from cell to cell		0
		006-255	Fade Duration short to long		

21 CH - DIRECT MODE (RAW Balance)

17	Pattern Red	000-255	0 - 100%	255
18	Pattern Green	000-255	0 - 100%	255
19	Pattern Blue	000-255	0 - 100%	255
20	Pattern Lime	000-255	0 - 100%	255
21	Device Settings			according to Device Settings Direct mode (p.26) 0

26 CH - DIRECT MODE (RAW Balance)

Ch.	Function	Value	Setting	Default
1	Dimmer	000-255	0 - 100%	0
2	Dimmer Fine	000-255	0 - 100%	0
3	Shutter	000 - 019	Shutter close	20
		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	Duration (only affects to channel 3 - Strobe 1 025-064)	000-255	0 - 100%	0

26 CH - DIRECT MODE (RAW Balance)

5	Red	000-255	0 - 100%	affects main & pattern background color	255
6	Red Fine	000-255	0 - 100%		255
7	Green	000-255	0 - 100%		255
8	Green Fine	000-255	0 - 100%		255
9	Blue	000-255	0 - 100%		255
10	Blue Fine	000-255	0 - 100%		255
11	Lime	000-255	0 - 100%		255
12	Lime Fine	000-255	0 - 100%		255
13	CTC (affects RGBL)	000 - 004	RAW	according to CTC chart	0
		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)		
14	Tint (affects CTC and RGBL)	0	no function	128	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
15	Color Macro (override RGBL,CTC)		According to Color Macro Chart	affects main & pattern background color	0
16	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function	0	
		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)		
17	Pattern Dimmer	000-255			255
18	Pattern selection	000-255		according to Pattern chart	0
19	Pattern selection X-fade	000 - 005	no function	0	
		006-255	1s - 250s (1s steps)		
20	Pattern speed	000-005	No Function	0	
		006-124	Left to Right / Fast to slow		
		125-130	No Function		
		131-249	Right to Left / Slow to fast		
		250-255	No Function		
21	Pattern X-fade	000-005	Snap from cell to cell	0	
		006-255	Fade Duration short to long		

26 CH - DIRECT MODE (RAW Balance)

22	Pattern Red	000-255	0 - 100%	255
23	Pattern Green	000-255	0 - 100%	255
24	Pattern Blue	000-255	0 - 100%	255
25	Pattern Lime	000-255	0 - 100%	255
26	Device Settings			according to Device Settings Direct mode (p.26) 0

17CH - HSI Mode (Color Calibrated)

Ch.	Function	Value	Setting	Default
1	Dimmer	000-255	0 - 100%	0
2	Dimmer Fine	000-255	0 - 100%	0
3	Shutter	000 - 019	Shutter close	20
		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°	0
5	Saturation	000-255	0 - 100%	0

17CH - HSI Mode (Color Calibrated)

6	CTC (affects HUE and Saturation) --> CTC no effect if Saturation to 100%	000 - 004	5600K	according to CTC chart	0
		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)		
7	Tint (affects CTC, HUE and Saturation). --> Tint no effect if Saturation to 100%	0	no function	128	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
8	Color Macro (override HUE/ SATURATION/CTC)		According to Color Macro Chart	affects main & pattern background color	0
9	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function	0	
		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	Pattern Dimmer	000-255			255
11	Pattern selection	000-255		according to Pattern chart	0
12	Pattern selection X-fade	000 - 005	no function	0	
		006-255	1s - 250s (1s steps)		
13	Pattern speed	000-005	No Function	0	
		006-124	Left to Right / Fast to slow		
		125-130	No Function		
		131-249	Right to Left / Slow to fast		
		250-255	No Function		
14	Pattern X-fade	000-005	Snap from cell to cell	0	
		006-255	Fade Duration short to long		
15	Pattern Hue	000-255	0° (RED) Thru 360°		0
16	Pattern Saturation	000-255	0 - 100%		0
17	Device Settings			according to Device Settings RGB mode (p.24)	0

16CH Pure Mode (Color Calibrated)

Ch.	Function	Value	Setting	Default
1	Master Dimmer	000-255	0 - 100%	0
2	Shutter	000 - 019	Shutter close	20
		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 (fas ⊕ 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%	0
4	Segment 1 Red	000-255	0 - 100%	255
5	Segment 1 Green	000-255	0 - 100%	255
6	Segment 1 Blue	000-255	0 - 100%	255
7	Segment 2 Red	000-255	0 - 100%	255
8	Segment 2 Green	000-255	0 - 100%	255
9	Segment 2 Blue	000-255	0 - 100%	255
10	Segment 3 Red	000-255	0 - 100%	255
11	Segment 3 Green	000-255	0 - 100%	255
12	Segment 3 Blue	000-255	0 - 100%	255

16CH Pure Mode (Color Calibrated)

13	Segment 4 Red	000-255	0 - 100%	255
14	Segment 4 Green	000-255	0 - 100%	255
15	Segment 4 Blue	000-255	0 - 100%	255
16	Device Settings			according to Device Settings RGB mode (p.24)

29CH Pure Mode (Color Calibrated)

Ch.	Function	Value	Setting	Default
1	Master Dimmer	000-255	0 - 100%	0
2	Master Dimmer fine	000-255	0 - 100%	0
3	Shutter	000 - 019	Shutter close	20
		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	Duration (only affects to channel 3 - Strobe 1 025-064)	000-255	0 - 100%	0
5	Segment 1 Red	000-255	0 - 100%	255
6	Segment 1 Red fine	000-255	0 - 100%	255

29CH Pure Mode (Color Calibrated)

7	Segment 1 Green	000-255	0 - 100%	255
8	Segment 1 Green fine	000-255	0 - 100%	255
9	Segment 1 Blue	000-255	0 - 100%	255
10	Segment 1 Blue fine	000-255	0 - 100%	255
11	Segment 2 Red	000-255	0 - 100%	255
12	Segment 2 Red fine	000-255	0 - 100%	255
13	Segment 2 Green	000-255	0 - 100%	255
14	Segment 2 Green fine	000-255	0 - 100%	255
15	Segment 2 Blue	000-255	0 - 100%	255
16	Segment 2 Blue fine	000-255	0 - 100%	255
17	Segment 3 Red	000-255	0 - 100%	255
18	Segment 3 Red fine	000-255	0 - 100%	255
19	Segment 3 Green	000-255	0 - 100%	255
20	Segment 3 Green fine	000-255	0 - 100%	255
21	Segment 3 Blue	000-255	0 - 100%	255
22	Segment 3 Blue fine	000-255	0 - 100%	255
23	Segment 4 Red	000-255	0 - 100%	255
24	Segment 4 Red fine	000-255	0 - 100%	255
25	Segment 4 Green	000-255	0 - 100%	255
26	Segment 4 Green fine	000-255	0 - 100%	255
27	Segment 4 Blue	000-255	0 - 100%	255
28	Segment 4 Blue fine	000-255	0 - 100%	255
29	Device Settings		according to Device Settings RGB mode (p.24)	0

28CH Full Access Mode (Color Calibrated)

Ch.	Function	Value	Setting	Default
1	Master Dimmer	000-255	0 - 100%	0
2	Shutter	000 - 019	Shutter close	20
		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	

28CH Full Access Mode (Color Calibrated)

2	Shutter	090 - 104	Strobe 3: closing pulse (fast ⊕ slow)	20
		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%	0
4	Pattern Dimmer	000-255		255
5	Pattern selection	000-255	according to Pattern chart	0
6	Pattern selection X-fade	000 - 005	no function	0
		006-255	1s - 250s (1s steps)	
7	Pattern speed	000-005	No Function	0
		006-124	Left to Right / Fast to slow	
		125-130	No Function	
		131-249	Right to Left / Slow to fast	
		250-255	No Function	
8	Pattern X-fade	000-005	Snap from cell to cell	0
		006-255	Fade Duration short to long	
9	Pattern Red	000-255	0 - 100%	255
10	Pattern Green	000-255	0 - 100%	255
11	Pattern Blue	000-255	0 - 100%	255

28CH Full Access Mode (Color Calibrated)

12	CTC (affects RGB)	000 - 004	5600K	according to CTC chart	0
		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)		
13	Tint (affects CTC / RGB)	0	no function	128	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
14	Color Macro (override RGB / CTC)		According to Color Macro Chart	affects main & pattern background color	0
15	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function	0	
		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)		
16	Segment 1 Red	000-255	0 - 100%	255	
17	Segment 1 Green	000-255	0 - 100%	255	
18	Segment 1 Blue	000-255	0 - 100%	255	
19	Segment 2 Red	000-255	0 - 100%	255	
20	Segment 2 Green	000-255	0 - 100%	255	
21	Segment 2 Blue	000-255	0 - 100%	255	
22	Segment 3 Red	000-255	0 - 100%	255	
23	Segment 3 Green	000-255	0 - 100%	255	
24	Segment 3 Blue	000-255	0 - 100%	255	
25	Segment 4 Red	000-255	0 - 100%	255	
26	Segment 4 Green	000-255	0 - 100%	255	
27	Segment 4 Blue	000-255	0 - 100%	255	
28	Device Settings			according to Device Settings RGB mode (p.24)	0

44CH Pure Mode (Color Calibrated)

Ch.	Function	Value	Setting	Default
1	Master Dimmer	000-255	0 - 100%	0
2	Master Dimmer fine	000-255	0 - 100%	0
3	Shutter	000 - 019	Shutter close	20
		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	Duration (only affects to channel 3 - Strobe 1 025-064)	000-255	0 - 100%	0
5	Pattern Dimmer	000-255		255
6	Pattern selection	000-255		according to Pattern chart
7	Pattern selection X-fade	000 - 005	no function	0
		006-255	1s - 250s (1s steps)	
8	Pattern speed	000-005	No Function	0
		006-124	Left to Right / Fast to slow	
		125-130	No Function	
		131-249	Right to Left / Slow to fast	
		250-255	No Function	

44CH Pure Mode (Color Calibrated)

9	Pattern X-fade	000-005	Snap from cell to cell	0	
		006-255	Fade Duration short to long		
10	Pattern Red	000-255	0 - 100%	255	
11	Pattern Red fine	000-255	0 - 100%	255	
12	Pattern Green	000-255	0 - 100%	255	
13	Pattern Green fine	000-255	0 - 100%	255	
14	Pattern Blue	000-255	0 - 100%	255	
15	Pattern Blue fine	000-255	0 - 100%	255	
16	CTC (affects RGB)	000 - 004	5600K	according to CTC chart	0
		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)		
17	Tint (affects CTC / RGB)	0	no function	128	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
18	Color Macro (override RGB / CTC)		According to Color Macro Chart	affects main & pattern background color	0
19	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function	0	
		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	Segment 1 Red	000-255	0 - 100%	255	
21	Segment 1 Red fine	000-255	0 - 100%	255	
22	Segment 1 Green	000-255	0 - 100%	255	
23	Segment 1 Green fine	000-255	0 - 100%	255	
24	Segment 1 Blue	000-255	0 - 100%	255	
25	Segment 1 Blue fine	000-255	0 - 100%	255	
26	Segment 2 Red	000-255	0 - 100%	255	
27	Segment 2 Red fine	000-255	0 - 100%	255	
28	Segment 2 Green	000-255	0 - 100%	255	
29	Segment 2 Green fine	000-255	0 - 100%	255	

44CH Pure Mode (Color Calibrated)

30	Segment 2 Blue	000-255	0 - 100%	255
31	Segment 2 Blue fine	000-255	0 - 100%	255
32	Segment 3 Red	000-255	0 - 100%	255
33	Segment 3 Red fine	000-255	0 - 100%	255
34	Segment 3 Green	000-255	0 - 100%	255
35	Segment 3 Green fine	000-255	0 - 100%	255
36	Segment 3 Blue	000-255	0 - 100%	255
37	Segment 3 Blue fine	000-255	0 - 100%	255
38	Segment 4 Red	000-255	0 - 100%	255
39	Segment 4 Red fine	000-255	0 - 100%	255
40	Segment 4 Green	000-255	0 - 100%	255
41	Segment 4 Green fine	000-255	0 - 100%	255
42	Segment 4 Blue	000-255	0 - 100%	255
43	Segment 4 Blue fine	000-255	0 - 100%	255
44	Device Settings			according to Device Settings RGB mode (p.24) 0

Device Setting RGB Modes

Ch.	Settings	DMX Value	Function	remark	
	Device Settings (please see remark *1)	000-005	No function		
		6	Display Backlight On (hold 3s)		
		7	Display Backlight Off (hold 3s)		
			8	Display Lock On (hold 3s)	
			9	Display Lock Off (hold 3s)	
			010-014	reserved / no function	
			15	DMX Fail - Blackout (hold 3s)	
			16	DMX Fail - Hold (hold 3s)	
			17	DMX Fail - Emergency Light (hold 3s)	
			018-022	reserved / no function	
			23	Linear Dimmer Curve (hold 3s)	
			24	Exponential Dimmer Curve (hold 3s)	
			25	Logarithmic Dimmer Curve (hold 3s)	
			26	S-Curve Dimmer Curve (hold 3s)	
			027-031	reserved / no function	
			32	Dimmer Response LED / fast (hold 3s)	
			33 reserved	reserved / no function	
			34	Dimmer Respononse Halogen / slow (hold 3s)	
			035-039	reserved / no function	
			40	Calibration - High CRI (Colors & CCT / hold 3s)	
			41	Calibration - Normal CRI (Colors & CCT / hold 3s)	
			042-046	reserved / no function	
			47	LED Frequency 800Hz (hold 3s)	
			48	LED Frequency 1200Hz (hold 3s)	
			49	LED Frequency 2000Hz (hold 3s)	
			50	LED Frequency 3600Hz (hold 3s)	
			51	LED Frequency 12kHz (hold 3s)	
			52	LED Frequency 25kHz (hold 3s)	
			053-057	reserved / no function	
			58	Fan Auto 1 (hold 3s)	
			59	Fan Auto 2 (hold 3s)	
			60	Fan Silent (hold 3s)	

Device Setting RGB Modes

Ch.	Settings	DMX Value	Function	remark
	Device Settings (please see remark *1)	61	Fan Studio (hold 3s)	
		62	Fan Off (hold 3s)	
		63	Fan High Power (hold 3s)	
		064-068	reserved / no function	
		69	Redshift On (hold 3s)	Redshift (affects only between 2700-3500K)
		70	Redshift Off (hold 3s)	
		071-075	reserved / no function	
		76	AC Fail - Hold (hold 3s)	
		77	AC Fail - Blackout (hold 3s)	
		78	AC Fail - Emergency Light / 5600K (hold 3s)	
		079-083	reserved / no function	
		84	Runtime Off (hold 3s)	
		85	Runtime 8h (hold 3s)	
		86	Runtime 12h (hold 3s)	
		87	Runtime 16h (hold 3s)	
		88	Runtime 20h (hold 3s)	
		089-093	reserved / no function	
		94	Invert Mapping On (hold 3s)	
		95	Invert Mapping Off (hold 3s)	
		096-244 reserved	reserved / no function	
		245	Snapshot (hold 3s)	
		246-248	reserved / no function	
		249	User Reset (hold 3s)	No Change of DMX Address and Mode! / Reset activates only if Shutter is set to DMX 250
		250	Factory Reset (hold 3s)	No Change of DMX Address and Mode! / Reset activates only if Shutter is set to DMX 250
		251 - 255 reserved	No Function	

remark*1: After adjustments please set the value back to 000 to avoid any disturbance by endless function call.

Device Setting DIRECT Modes

Ch.	Settings	DMX Value	Function	remark
	Device Settings (please see remark *1)	000-005	No function	
		6	Display Backlight On (hold 3s)	
		7	Display Backlight Off (hold 3s)	
		8	Display Lock On (hold 3s)	
		9	Display Lock Off (hold 3s)	
		010-014	reserved / no function	
		15	DMX Fail - Blackout (hold 3s)	
		16	DMX Fail - Hold (hold 3s)	
		17	DMX Fail - Emergency Light (hold 3s)	
		018-022	reserved / no function	
		23	Linear Dimmer Curve (hold 3s)	
		24	Exponential Dimmer Curve (hold 3s)	
		25	Logarithmic Dimmer Curve (hold 3s)	
		26	S-Curve Dimmer Curve (hold 3s)	
		027-031	reserved / no function	
		32	Dimmer Response LED / fast (hold 3s)	
		33 reserved	reserved / no function	
		34	Dimmer Respononse Halogen / slow (hold 3s)	
		035-039	reserved / no function	
		40	Calibration - High CRI (Colors & CCT / hold 3s)	
		41	Calibration - Normal CRI (Colors & CCT / hold 3s)	
		042-046	reserved / no function	
		47	LED Frequency 800Hz (hold 3s)	
		48	LED Frequency 1200Hz (hold 3s)	
		49	LED Frequency 2000Hz (hold 3s)	
		50	LED Frequency 3600Hz (hold 3s)	
		51	LED Frequency 12kHz (hold 3s)	
		52	LED Frequency 25kHz (hold 3s)	
		053-057	reserved / no function	
		58	Fan Auto 1 (hold 3s)	
		59	Fan Auto 2 (hold 3s)	
		60	Fan Silent (hold 3s)	

Device Setting DIRECT Modes

Ch.	Settings	DMX Value	Function	remark
	Device Settings (please see remark *1)	61	Fan Studio (hold 3s)	
		62	Fan Off (hold 3s)	
		63	Fan High Power (hold 3s)	
		064-068	reserved / no function	
		69	Redshift On (hold 3s)	Redshift (affects only between 2700-3500K)
		70	Redshift Off (hold 3s)	
		071-075	reserved / no function	
		76	AC Fail - Hold (hold 3s)	
		77	AC Fail - Blackout (hold 3s)	
		78	AC Fail - Emergency Light / 5600K (hold 3s)	
		079-083	reserved / no function	
		84	Runtime Off (hold 3s)	
		85	Runtime 8h (hold 3s)	
		86	Runtime 12h (hold 3s)	
		87	Runtime 16h (hold 3s)	
		88	Runtime 20h (hold 3s)	
		089-093	reserved / no function	
		94	Invert Mapping On (hold 3s)	
		95	Invert Mapping Off (hold 3s)	
		096-244 reserved	reserved / no function	
		245	Snapshot (hold 3s)	
		246-248	reserved / no function	
		249	User Reset (hold 3s)	No Change of DMX Address and Mode! / Reset activates only if Shutter is set to DMX 250
		250	Factory Reset (hold 3s)	No Change of DMX Address and Mode! / Reset activates only if Shutter is set to DMX 250
		251 - 255 reserved	No Function	

remark*1: After adjustments please set the value back to 000 to avoid any disturbance by endless function call.

