



153.299 

## FLCNL04 Flightcase for 4pcs NUKE

The ultimate flightcase to transport and use four NUKE1 (153.295) or NUKE2 (153.296) fixtures in a compact and safe way. Your fixtures are extremely well protected against impact, abrasion, collision etc.

Product colour : Black  
Dimensions (L x W x H) : 1170 x 470 x 460mm (excl. wheels)  
Weight (kg) : 21,30

- Sturdy flightcase
- Designed to fit 4 pieces NUKE1 (153.295) or NUKE2 (153.296)
- Butterfly locks and aluminium profiles all around
- Ballcorners and recessed handles
- Hinges to hold the top cover open
- Provided with tailor-made solid foam on the inside



**BEAMZ**  
**MADE**  
**EAZY**

153.296 V1.0

**NUKE2**

**QUICK START GUIDE**

# CONTROL MENU

MENU	DESCRIPTION			
<b>DMX ADDR</b>	Set DMX Address	001-512		
	Set Net Address	001-512		
<b>MODE</b>	Protocol	DMX		
		ArtNet		
		sACN		
	DMX Mode	DMX 13CH		
		DMX 23CH		
		DMX 84CH		
		DMX 132CH		
		DMX 310CH		
		DMX 324CH		
		DMX + Net		
	Slave	Slave		
	Auto	Auto Program	Auto Program 1	
			...	
			Auto Program 10	
		Auto Speed	000-255	
		Static	Tilt	000-255
			Tilt Fine	000-255
			Master Dimmer	000-255
			Beam Dimmer	000-255
			Pixel Dimmer	000-255
			Beam Strobe	000-255
			Beam Strobe Duration	000-255
			Pixel Strobe	000-255
			Pixel Strobe Duration	000-255
			Beam FX Select	000-255
			Beam FX Speed	000-255
			Red	000-255
			Green	000-255
	Blue		000-255	
	Color Macro		000-255	
	Pixel FX Select	000-255		
	Pixel FX Speed	000-255		
Rainbow	000-255			
Pixel Bg Dimmer	000-255			
Pixel Bg Red	000-255			
Pixel Bg Green	000-255			
Pixel Bg Blue	000-255			
<b>SETTINGS</b>	Display	ON		
		OFF		
	DMX Fail	Hold		
		Blackout		
		Auto		
	Dim Curve	Linear		
		Exp		
		Log		
		S Curve		
	Dim Speed	Dim Speed Mode off		

	Dim Speed Mode 1	
	Dim Speed Mode 2	
	Dim Speed Mode 3	
Calibrate	Tilt	000-255
Feedback	ON	
	OFF	
Tilt Rev	ON	
	OFF	
Move Backout	ON	
	OFF	
Fan Set	Automatic	
	Normal	
	Silent	
LED Frequency	800HZ	
	1200HZ	
	2000HZ	
	3600HZ	
	6000HZ	
	15KHZ	
TEST	Function test	OFF
		ON
Reset	Reset NOW?	
Factory Reset	YES	
	NO	
Auto Lock	No lock	
	60 Seconds	
<b>NETWORK SETTING</b>	IP Address	xxx.xxx.xxx.xxx
	Subnet Mask	xxx.xxx.xxx.xxx
	Universe	ArtNet Universe 000-255
		sACN Universe 001-255
<b>SYSTEM INFO</b>	Firmware	Software Version Vxxx
	Fan Speed	xxx RPM
	Error Info	Sensor: Error / OK
		Tilt Reset: Error / OK
		LED Sensor1: Error / OK
		LED Sensor2: Error / OK
		LED Sensor3: Error / OK
		Head Fan: Error / OK
	Temperature	LED Temp LED A: xxxC
		LED B: xxxC
		Temp Unit Fahrenheit
		Celsius
	Time Info	Power on Xxx (Hours)
		Last Run Hrs Xxx (Hours)

# DMX CHANNELS

## 13 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	TILT	000-255	0%-100%
2	TILT FINE	000-255	0%-100%
3	MASTER DIMMER	000-255	0%-100%
4	BEAM DIMMER	000-255	0%-100%
5	PIXEL DIMMER	000-255	0%-100%
6	BEAM STROBE	000-005	Strobe Open
		006-010	Strobe Close
		011-250	Strobe slow->fast-<0-30Hz
		251-255	Strobe Open
7	BEAM STROBE DURATION	000-005	No function
		006-250	Strobe Duration (Valid only for Strobe Ch6 11-250)
		251-255	100% on, no strobe
8	PIXEL STROBE	000-005	Strobe Open
		006-010	Strobe Close
		011-250	Strobe slow->fast-<0-30Hz
		251-255	Strobe Open
9	PIXEL STROBE DURATION	000-005	No function
		006-250	Strobe Duration (Valid only for Strobe Ch8 11-250)
		251-255	100% on, no strobe
10	PIXEL RED	000-255	0%-100%
11	PIXEL GREEN	000-255	0%-100%
12	PIXEL BLUE	000-255	0%-100%
13	PIXEL COLOUR MACRO (OVERRIDE RGB)	000-005	Colour OFF
		006-013	Red
		014-021	Amber
		022-029	Yellow Amber
		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 stop		
128-191	Colour jumping Speed slow->fast/Colour1->12		
192-255	Colour fading Speed slow->fast/Colour1->12		

## 23 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	TILT	000-255	0%-100%
2	TILT FINE	000-255	0%-100%
3	MASTER DIMMER	000-255	0%-100%
4	BEAM DIMMER	000-255	0%-100%

5	PIXEL DIMMER	000-255	0%-100%
6	BEAM STROBE	000-005	Strobe Open
		006-010	Strobe Close
		011-022	Ramp up/down, slow -> fast
		023-033	Ramp up/down random, slow->fast
		034-045	Ramp up, slow -> fast
		046-056	Ramp up random, slow -> fast
		057-068	Ramp down, slow -> fast
		069-079	Ramp down random, slow -> fast
		080-102	Random Strobe effect, slow -> fast
		103-127	Strobe Break effect, 5s.....1s (Short burst with break)
		128-250	Strobe slow->fast-<0-30Hz
		251-255	Strobe Open
		7	BEAM STROBE DURATION
006-250	Strobe Duration (Valid only for Strobe Ch6 128-250)		
251-255	100% on, no strobe		
8	PIXEL STROBE	000-005	Strobe Open
		006-010	Strobe Close
		011-022	Ramp up/down, slow -> fast
		023-033	Ramp up/down random, slow->fast
		034-045	Ramp up, slow -> fast
		046-056	Ramp up random, slow -> fast
		057-068	Ramp down, slow -> fast
		069-079	Ramp down random, slow -> fast
		080-102	Random Strobe effect, slow -> fast
		103-127	Strobe Break effect, 5s.....1s (Short burst with break)
		128-250	Strobe slow->fast-<0-30Hz
		251-255	Strobe Open
		9	PIXEL STROBE DURATION
006-250	Strobe Duration (Valid only for Strobe Ch8 128-250)		
251-255	100% on, no strobe		
10	BEAM FX SELECT	000-015	No function
		016-021	Program1
		022-027	Program2
		028-033	Program3
		034-039	Program4
		040-045	Program5
		046-051	Program6
		052-057	Program7
		058-063	Program8
		064-069	Program9
		070-075	Program10
		076-081	Program11
		082-087	Program12
		088-093	Program13
		094-099	Program14
		100-105	Program15
		106-111	Program16
		112-117	Program17
		118-123	Program18
		124-129	Program19
130-135	Program20		

		136-141	Program21
		142-147	Program22
		148-153	Program23
		154-159	Program24
		160-165	Program25
		166-171	Program26
		172-177	Program27
		178-183	Program28
		184-189	Program29
		190-195	Program30
		196-201	Program31
		202-207	Program32
		208-213	Program33
		214-219	Program34
		220-225	Program35
		226-231	Program36
		232-237	Program37
		238-243	Program38
		244-249	Program39
		250-255	Program40
11	BEAM FX SPEED	000-125	Fast -> Slow Backward
		126-130	Stop(speed=0)
		131-255	Slow->Fast Forward
12	PIXEL RED	000-255	0%-100%
13	PIXEL GREEN	000-255	0%-100%
14	PIXEL BLUE	000-255	0%-100%
15	PIXEL COLOUR MACRO (OVERRIDE RGB)	000-005	Colour OFF
		006-013	Red
		014-021	Amber
		022-029	Yellow Amber
		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 stop
		128-191	Colour jumping Speed slow->fast/Colour1->12
		192-255	Colour fading Speed slow->fast/Colour1->12
16	PIXEL FX SELECT	000-010	NO function
		011-012	Program1
		013-014	Program2
		015-016	Program3
		017-018	Program4
		019-020	Program5
		...	...

		151-152	Program71
		153-154	Program72
		155-156	Program93
		157-158	Program74
		159-160	Program75
		161-162	Program76
		163-255	Reserve
17	PIXEL FX SPEED	000-125	Fast -> Slow Backward
		126-130	Stop(speed=0)
		131-255	Slow->Fast Forward
18	RAINBOW	000-010	Rainbow off
		011-022	Rainbow1
		023-034	Rainbow2
		035-046	Rainbow3
		047-058	Rainbow4
		059-070	Rainbow5
		071-082	Rainbow6
		083-094	Rainbow7
		095-106	Rainbow8
		107-118	Rainbow9
		119-130	Rainbow10
		131-142	Rainbow11
		143-154	Rainbow12
		155-166	Rainbow13
		167-178	Rainbow14
		179-190	Rainbow15
		191-202	Rainbow16
		203-214	Rainbow17
		215-226	Rainbow18
		227-238	Rainbow19
		239-255	Rainbow20
19	PIXEL BACKGROUND DIMMER	000-255	Pixel Background Dimmer 0%-100%
20	PIXEL BACKGROUND RED	000-255	Pixel Background Red %0-100%
21	PIXEL BACKGROUND GREEN	000-255	Pixel Background Green %0-100%
22	PIXEL BACKGROUND BLUE	000-255	Pixel Background Blue %0-100%
23	DEVICE SETTINGS	000-005	No function
		006-007	Blackout while moving on (Hold 3s)
		008-009	Blackout while moving off (Hold 3s)
		010-039	Spare
		040-041	Invert Tilt on (Hold 3s)
		042-043	Invert Tilt off (Hold 3s)
		044-073	Spare
		074-075	Nomral Fan (Hold 3s)
		076-077	Silent Fan (Hold 3s)
		078-107	Spare
		108-109	Display on (Hold 3s)
		110-111	Display off (Hold 3s)
		112-141	Spare
		142-143	Dimmer Curve Linear (Hold 3s)
		144-145	Dimmer Curve Square (Hold 3s)
		146-147	Dimmer Curve inv. Square (Hold 3s)
		148-149	Dimmer Curve S-Curve (Hold 3s)

150-151	Spare
152-153	Dimmer speed mode off(Hold 5s)
154-155	Dimmer speed mode1(fast speed)(Hold 5s)
156-156	Dimmer speed mode2(middle speed)(Hold 5s)
157-158	Dimmer speed mode3(slow speed)(Hold 5s)
159-188	Spare
189-190	Led PWM Freq. 800 Hz (hold 3s)
191-192	Led PWM Freq. 1200 Hz (hold 3s)
193-194	Led PWM Freq. 2000 Hz (hold 3s)
195-196	Led PWM Freq. 3600 Hz (hold 3s)
197-198	Led PWM Freq. 15KHz (hold 3s)
199-228	Spare
229-255	Reset Tilt (Hold 3s)

## 84 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION		
1	TILT	000-255	0%-100%		
2	TILT FINE	000-255	0%-100%		
3	MASTER DIMMER	000-255	0%-100%		
4	BEAM DIMMER	000-255	0%-100%		
5	PIXEL DIMMER	000-255	0%-100%		
6	BEAM STROBE	000-005	Strobe Open		
		006-010	Strobe Close		
		011-022	Ramp up/down, slow -> fast		
		023-033	Ramp up/down random, slow->fast		
		034-045	Ramp up, slow -> fast		
		046-056	Ramp up random, slow -> fast		
		057-068	Ramp down, slow -> fast		
		069-079	Ramp down random, slow -> fast		
		080-102	Random Strobe effect, slow -> fast		
		103-127	Strobe Break effect, 5s.....1s (Short burst with break)		
		128-250	Strobe slow->fast-<0-30Hz		
		251-255	Strobe Open		
		7	BEAM STROBE DURATION	000-005	No function
				006-250	Strobe Duration (Valid only for Strobe Ch6 128-250)
251-255	100% on, no strobe				
8	PIXEL STROBE	000-005	Strobe Open		
		006-010	Strobe Close		
		011-022	Ramp up/down, slow -> fast		
		023-033	Ramp up/down random, slow->fast		
		034-045	Ramp up, slow -> fast		
		046-056	Ramp up random, slow -> fast		
		057-068	Ramp down, slow -> fast		
		069-079	Ramp down random, slow -> fast		
		080-102	Random Strobe effect, slow -> fast		
		103-127	Strobe Break effect, 5s.....1s (Short burst with break)		
		128-250	Strobe slow->fast-<0-30Hz		
		251-255	Strobe Open		
		9	PIXEL STROBE DURATION	000-005	No function
				006-250	Strobe Duration (Valid only for Strobe Ch8 128-250)
251-255	100% on, no strobe				
10	BEAM LED	000-255	Dimmer0-100%		

11	BEAM FX SELECT	000-015	NO function
		016-021	Program1
		022-027	Program2
		028-033	Program3
		034-039	Program4
		040-045	Program5
		046-051	Program6
		052-057	Program7
		058-063	Program8
		064-069	Program9
		070-075	Program10
		076-081	Program11
		082-087	Program12
		088-093	Program13
		094-099	Program14
		100-105	Program15
		106-111	Program16
		112-117	Program17
		118-123	Program18
		124-129	Program19
		130-135	Program20
		136-141	Program21
		142-147	Program22
		148-153	Program23
		154-159	Program24
		160-165	Program25
		166-171	Program26
		172-177	Program27
		178-183	Program28
		184-189	Program29
		190-195	Program30
		196-201	Program31
		202-207	Program32
		208-213	Program33
		214-219	Program34
		220-225	Program35
		226-231	Program36
		232-237	Program37
		238-243	Program38
		244-249	Program39
250-255	Program40		
12	BEAM FX SPEED	000-125	Fast -> Slow Backward
		126-130	Stop(speed=0)
		131-255	Slow->Fast Forward
13	PIXEL RED	000-255	0%-100%
14	PIXEL GREEN	000-255	0%-100%
15	PIXEL BLUE	000-255	0%-100%
16	PIXEL COLOUR MACRO	000-005	Colour OFF
		006-013	Red
		014-021	Amber
		022-029	Yellow Amber
		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 stop
		128-191	Colour jumping Speed slow->fast/Colour1->12
		192-255	Colour fading Speed slow->fast/Colour1->12
17	PIXEL FX SELECT	000-010	No function
		011-012	Program1
		013-014	Program2
		015-016	Program3
		017-018	Program4
		019-020	Program5
		...	...
		151-152	Program71
		153-154	Program72
		155-156	Program93
		157-158	Program74
		159-160	Program75
		161-162	Program76
		163-255	Reserve
18	PIXEL FX SPEED	000-125	Fast -> Slow Backward
		126-130	Stop(speed=0)
		131-255	Slow->Fast Forward
19	RAINBOW	000-010	Rainbow off
		011-022	Rainbow1
		023-034	Rainbow2
		035-046	Rainbow3
		047-058	Rainbow4
		059-070	Rainbow5
		071-082	Rainbow6
		083-094	Rainbow7
		095-106	Rainbow8
		107-118	Rainbow9
		119-130	Rainbow10
		131-142	Rainbow11
		143-154	Rainbow12
		155-166	Rainbow13
		167-178	Rainbow14
		179-190	Rainbow15
		191-202	Rainbow16
		203-214	Rainbow17
		215-226	Rainbow18
		227-238	Rainbow19
		239-255	Rainbow20

20	PIXEL BACKGROUND DIMMER	000-255	Pixel Background Dimmer 0%-100%		
21	PIXEL BACKGROUND RED	000-255	Pixel Background Red %0-100%		
22	PIXEL BACKGROUND GREEN	000-255	Pixel Background Green %0-100%		
23	PIXEL BACKGROUND BLUE	000-255	Pixel Background Blue %0-100%		
24	DEVICE SETTINGS	000-005	No function		
		006-007	Blackout while moving on (Hold 3s)		
		008-009	Blackout while moving off (Hold 3s)		
		010-039	Spare		
		040-041	Invert Tilt on (Hold 3s)		
		042-043	Invert Tilt off (Hold 3s)		
		044-073	Spare		
		074-075	Nomral Fan (Hold 3s)		
		076-077	Silent Fan (Hold 3s)		
		078-107	Spare		
		108-109	Display on (Hold 3s)		
		110-111	Display off (Hold 3s)		
		112-141	Spare		
		142-143	Dimmer Curve Linear (Hold 3s)		
		144-145	Dimmer Curve Square (Hold 3s)		
		146-147	Dimmer Curve inv. Square (Hold 3s)		
		148-149	Dimmer Curve S-Curve (Hold 3s)		
		150-151	Spare		
		152-153	Dimmer speed mode off(Hold 5s)		
		154-155	Dimmer speed mode1(fast speed)(Hold 5s)		
		156-156	Dimmer speed mode2(middle speed)(Hold 5s)		
		157-158	Dimmer speed mode3(slow speed)(Hold 5s)		
		159-188	Spare		
		189-190	Led PWM Freq. 800 Hz (hold 3s)		
		191-192	Led PWM Freq. 1200 Hz (hold 3s)		
		193-194	Led PWM Freq. 2000 Hz (hold 3s)		
		195-196	Led PWM Freq. 3600 Hz (hold 3s)		
		197-198	Led PWM Freq. 15KHz (hold 3s)		
		199-228	Spare		
		229-255	Reset Tilt (Hold 3s)		
		25	BEAM PIXEL1	000-255	0%-100%
		26	BEAM PIXEL2	000-255	0%-100%
		27	BEAM PIXEL3	000-255	0%-100%
28	BEAM PIXEL4	000-255	0%-100%		
...	...	...	...		
33	Beam pixel9	000-255	0%-100%		
34	Beam pixel10	000-255	0%-100%		
35	Beam pixel11	000-255	0%-100%		
36	Beam pixel12	000-255	0%-100%		
37	Pixel1 Red	000-255	0%-100%		
38	Pixel1 Green	000-255	0%-100%		
39	Pixel1 Blue	000-255	0%-100%		
34	Pixel2 Red	000-255	0%-100%		
41	Pixel2 Green	000-255	0%-100%		
42	Pixel2 Blue	000-255	0%-100%		
...	...	...	...		
82	Pixel81 Red	000-255	0%-100%		
83	Pixel81 Green	000-255	0%-100%		

84	Pixel81 Blue	000-255	0%-100%
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## 132 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	TILT	000-255	0%-100%
2	TILT FINE	000-255	0%-100%
3	MASTER DIMMER	000-255	0%-100%
4	BEAM DIMMER	000-255	0%-100%
5	PIXEL DIMMER	000-255	0%-100%
6	BEAM STROBE	000-005	Strobe Open
		006-010	Strobe Close
		011-022	Ramp up/down, slow -> fast
		023-033	Ramp up/down random, slow->fast
		034-045	Ramp up, slow -> fast
		046-056	Ramp up random, slow -> fast
		057-068	Ramp down, slow -> fast
		069-079	Ramp down random, slow -> fast
		080-102	Random Strobe effect, slow -> fast
		103-127	Strobe Break effect, 5s.....1s (Short burst with break)
		128-250	Strobe slow->fast-<0-30Hz
		251-255	Strobe Open
		7	BEAM STROBE DURATION
006-250	Strobe Duration (Valid only for Strobe Ch6 128-250)		
251-255	100% on, no strobe		
8	PIXEL STROBE	000-005	Strobe Open
		006-010	Strobe Close
		011-022	Ramp up/down, slow -> fast
		023-033	Ramp up/down random, slow->fast
		034-045	Ramp up, slow -> fast
		046-056	Ramp up random, slow -> fast
		057-068	Ramp down, slow -> fast
		069-079	Ramp down random, slow -> fast
		080-102	Random Strobe effect, slow -> fast
		103-127	Strobe Break effect, 5s.....1s (Short burst with break)
		128-250	Strobe slow->fast-<0-30Hz
		251-255	Strobe Open
		9	PIXEL STROBE DURATION
006-250	Strobe Duration (Valid only for Strobe Ch8 128-250)		
251-255	100% on, no strobe		
10	BEAM LED	000-255	Dimmer0-100%
11	BEAM FX SELECT	000-015	NO function
		016-021	Program1
		022-027	Program2
		028-033	Program3
		034-039	Program4
		040-045	Program5
		046-051	Program6
		052-057	Program7
		058-063	Program8
		064-069	Program9
		070-075	Program10
		076-081	Program11
082-087	Program12		

		088-093	Program13
		094-099	Program14
		100-105	Program15
		106-111	Program16
		112-117	Program17
		118-123	Program18
		124-129	Program19
		130-135	Program20
		136-141	Program21
		142-147	Program22
		148-153	Program23
		154-159	Program24
		160-165	Program25
		166-171	Program26
		172-177	Program27
		178-183	Program28
		184-189	Program29
		190-195	Program30
		196-201	Program31
		202-207	Program32
		208-213	Program33
		214-219	Program34
		220-225	Program35
		226-231	Program36
		232-237	Program37
		238-243	Program38
		244-249	Program39
		250-255	Program40
12	BEAM FX SPEED	000-125	Fast -> Slow Backward
		126-130	Stop(speed=0)
		131-255	Slow->Fast Forward
13	PIXEL RED	000-255	0%-100%
14	PIXEL GREEN	000-255	0%-100%
15	PIXEL BLUE	000-255	0%-100%
16	PIXEL COLOUR MACRO (OVERRIDE RGB)	000-005	Colour OFF
		006-013	Red
		014-021	Amber
		022-029	Yellow Amber
		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 stop
		128-191	Colour jumping Speed slow->fast/Colour1->12

		192-255	Colour fading Speed slow->fast/Colour1->12
17	PIXEL FX SELECT	000-010	No function
		011-012	Program1
		013-014	Program2
		015-016	Program3
		017-018	Program4
		019-020	Program5
		...	...
		151-152	Program71
		153-154	Program72
		155-156	Program93
		157-158	Program74
		159-160	Program75
		161-162	Program76
		163-255	Reserve
18	PIXEL FX SPEED	000-125	Fast -> Slow Backward
		126-130	Stop(speed=0)
		131-255	Slow->Fast Forward
19	RAINBOW	000-010	Rainbow off
		011-022	Rainbow1
		023-034	Rainbow2
		035-046	Rainbow3
		047-058	Rainbow4
		059-070	Rainbow5
		071-082	Rainbow6
		083-094	Rainbow7
		095-106	Rainbow8
		107-118	Rainbow9
		119-130	Rainbow10
		131-142	Rainbow11
		143-154	Rainbow12
		155-166	Rainbow13
		167-178	Rainbow14
		179-190	Rainbow15
		191-202	Rainbow16
		203-214	Rainbow17
		215-226	Rainbow18
		227-238	Rainbow19
		239-255	Rainbow20
20	PIXEL BACKGROUND DIMMER	000-255	Pixel Background Dimmer 0%-100%
21	PIXEL BACKGROUND RED	000-255	Pixel Background Red %0-100%
22	PIXEL BACKGROUND GREEN	000-255	Pixel Background Green %0-100%
23	PIXEL BACKGROUND BLUE	000-255	Pixel Background Blue %0-100%
24	DEVICE SETTINGS	000-005	No function
		006-007	Blackout while moving on (Hold 3s)
		008-009	Blackout while moving off (Hold 3s)
		010-039	Spare
		040-041	Invert Tilt on (Hold 3s)
		042-043	Invert Tilt off (Hold 3s)
		044-073	Spare
		074-075	Nomral Fan (Hold 3s)
		076-077	Silent Fan (Hold 3s)

		078-107	Spare
		108-109	Display on (Hold 3s)
		110-111	Display off (Hold 3s)
		112-141	Spare
		142-143	Dimmer Curve Linear (Hold 3s)
		144-145	Dimmer Curve Square (Hold 3s)
		146-147	Dimmer Curve inv. Square (Hold 3s)
		148-149	Dimmer Curve S-Curve (Hold 3s)
		150-151	Spare
		152-153	Dimmer speed mode off(Hold 5s)
		154-155	Dimmer speed mode1(fast speed)(Hold 5s)
		156-156	Dimmer speed mode2(middle speed)(Hold 5s)
		157-158	Dimmer speed mode3(slow speed)(Hold 5s)
		159-188	Spare
		189-190	Led PWM Freq. 800 Hz (hold 3s)
		191-192	Led PWM Freq. 1200 Hz (hold 3s)
		193-194	Led PWM Freq. 2000 Hz (hold 3s)
		195-196	Led PWM Freq. 3600 Hz (hold 3s)
		197-198	Led PWM Freq. 15KHz (hold 3s)
		199-228	Spare
		229-255	Reset Tilt (Hold 3s)
25	BEAM PIXEL1	000-255	0%-100%
26	BEAM PIXEL2	000-255	0%-100%
27	BEAM PIXEL3	000-255	0%-100%
28	BEAM PIXEL4	000-255	0%-100%
...	...	...	...
33	Beam pixel9	000-255	0%-100%
34	Beam pixel10	000-255	0%-100%
35	Beam pixel11	000-255	0%-100%
36	Beam pixel12	000-255	0%-100%
37	Pixel1 Red	000-255	0%-100%
38	Pixel1 Green	000-255	0%-100%
39	Pixel1 Blue	000-255	0%-100%
34	Pixel2 Red	000-255	0%-100%
41	Pixel2 Green	000-255	0%-100%
42	Pixel2 Blue	000-255	0%-100%
...	...	...	...
130	Pixel32 Red	000-255	0%-100%
131	Pixel32 Green	000-255	0%-100%
132	Pixel32 Blue	000-255	0%-100%

### 310 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	TILT	000-255	0%-100%
2	TILT FINE	000-255	0%-100%
3	MASTER DIMMER	000-255	0%-100%
4	BEAM DIMMER	000-255	0%-100%
5	PIXEL DIMMER	000-255	0%-100%
6	BEAM STROBE	000-005	Strobe Open
		006-010	Strobe Close
		011-250	Strobe slow->fast-<0-30Hz
		251-255	Strobe Open

7	BEAM STROBE DURATION	000-005	No function
		006-250	Strobe Duration (Valid only for Strobe Ch6 11-250)
		251-255	100% on, no strobe
8	PIXEL STROBE	000-005	Strobe Open
		006-010	Strobe Close
		011-250	Strobe slow->fast-<0-30Hz
		251-255	Strobe Open
9	PIXEL STROBE DURATION	000-005	No function
		006-250	Strobe Duration (Valid only for Strobe Ch8 11-250)
		251-255	100% on, no strobe
10	BEAM PIXEL1	000-255	0%-100%
11	BEAM PIXEL2	000-255	0%-100%
12	BEAM PIXEL3	000-255	0%-100%
13	BEAM PIXEL4	000-255	0%-100%
...	...	...	...
18	Beam pixel9	000-255	0%-100%
19	Beam pixel10	000-255	0%-100%
20	Beam pixel11	000-255	0%-100%
21	Beam pixel12	000-255	0%-100%
22	PIXEL1 RED	000-255	0%-100%
23	PIXEL1 GREEN	000-255	0%-100%
24	PIXEL1 BLUE	000-255	0%-100%
25	PIXEL2 RED	000-255	0%-100%
27	PIXEL2 GREEN	000-255	0%-100%
28	PIXEL2 BLUE	000-255	0%-100%
...	...	...	...
307	PIXEL288 RED	000-255	0%-100%
308	PIXEL288 GREEN	000-255	0%-100%
309	PIXEL288 BLUE	000-255	0%-100%
310	PIXEL COLOUR MACRO (OVERRIDE RGB)	000-005	Colour OFF
		006-013	Red
		014-021	Amber
		022-029	Yellow Amber
		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 stop
128-191	Colour jumping Speed slow->fast/Colour1->12		
192-255	Colour fading Speed slow->fast/Colour1->12		

## 324 CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	TILT	000-255	0%-100%
2	TILT FINE	000-255	0%-100%
3	MASTER DIMMER	000-255	0%-100%
4	BEAM DIMMER	000-255	0%-100%
5	PIXEL DIMMER	000-255	0%-100%
6	BEAM STROBE	000-005	Strobe Open
		006-010	Strobe Close
		011-022	Ramp up/down, slow -> fast
		023-033	Ramp up/down random, slow->fast
		034-045	Ramp up, slow -> fast
		046-056	Ramp up random, slow -> fast
		057-068	Ramp down, slow -> fast
		069-079	Ramp down random, slow -> fast
		080-102	Random Strobe effect, slow -> fast
		103-127	Strobe Break effect, 5s.....1s (Short burst with break)
		128--250	Strobe slow->fast-<0-30Hz
		251-255	Strobe Open
		7	BEAM STROBE DURATION
006-250	Strobe Duration(Valid only for Strobe Ch6 128-250)		
251-255	100% on, no strobe		
8	PIXEL STROBE	000-005	Strobe Open
		006-010	Strobe Close
		011-022	Ramp up/down, slow -> fast
		023-033	Ramp up/down random, slow->fast
		034-045	Ramp up, slow -> fast
		046-056	Ramp up random, slow -> fast
		057-068	Ramp down, slow -> fast
		069-079	Ramp down random, slow -> fast
		080-102	Random Strobe effect, slow -> fast
		103-127	Strobe Break effect, 5s.....1s (Short burst with break)
		128-250	Strobe slow->fast-<0-30Hz
		251-255	Strobe Open
		9	PIXEL STROBE DURATION
006-250	Strobe Duration (Valid only for Strobe Ch8 128-250)		
251-255	100% on, no strobe		
10	BEAM LED	000-255	Dimmer 0-100%
11	BEAM FX SELECT	000-015	NO function
		016-021	Program1
		022-027	Program2
		028-033	Program3
		034-039	Program4
		040-045	Program5
		046-051	Program6
		052-057	Program7
		058-063	Program8
		064-069	Program9
		070-075	Program10
		076-081	Program11
		082-087	Program12
088-093	Program13		

		094-099	Program14
		100-105	Program15
		106-111	Program16
		112-117	Program17
		118-123	Program18
		124-129	Program19
		130-135	Program20
		136-141	Program21
		142-147	Program22
		148-153	Program23
		154-159	Program24
		160-165	Program25
		166-171	Program26
		172-177	Program27
		178-183	Program28
		184-189	Program29
		190-195	Program30
		196-201	Program31
		202-207	Program32
		208-213	Program33
		214-219	Program34
		220-225	Program35
		226-231	Program36
		232-237	Program37
		238-243	Program38
		244-249	Program39
		250-255	Program40
12	BEAM FX SPEED	000-125	Fast -> Slow Backward
		126-130	Stop(speed=0)
		131-255	Slow->Fast Forward
13	PIXEL RED	000-255	0%-100%
14	PIXEL GREEN	000-255	0%-100%
15	PIXEL BLUE	000-255	0%-100%
16	PIXEL COLOUR MACRO (OVERRIDE RGB)	000-005	Colour OFF
		006-013	Red
		014-021	Amber
		022-029	Yellow Amber
		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 stop
		128-191	Colour jumping Speed slow->fast/Colour1->12
		192-255	Colour fading Speed slow->fast/Colour1->12

17	PIXEL FX SELECT	000-010	No function
		011-012	Program1
		013-014	Program2
		015-016	Program3
		017-018	Program4
		019-020	Program5
		...	...
		151-152	Program71
		153-154	Program72
		155-156	Program93
		157-158	Program74
		159-160	Program75
		161-162	Program76
		163-255	Reserve
		18	PIXEL FX SPEED
126-130	Stop(speed=0)		
131-255	Slow->Fast Forward		
19	RAINBOW	000-010	Rainbow off
		011-022	Rainbow1
		023-034	Rainbow2
		035-046	Rainbow3
		047-058	Rainbow4
		059-070	Rainbow5
		071-082	Rainbow6
		083-094	Rainbow7
		095-106	Rainbow8
		107-118	Rainbow9
		119-130	Rainbow10
		131-142	Rainbow11
		143-154	Rainbow12
		155-166	Rainbow13
		167-178	Rainbow14
		179-190	Rainbow15
		191-202	Rainbow16
		203-214	Rainbow17
		215-226	Rainbow18
		227-238	Rainbow19
239-255	Rainbow20		
20	PIXEL BACKGROUND DIMMER	000-255	Pixel Background Dimmer 0%-100%
21	PIXEL BACKGROUND RED	000-255	Pixel Background Red %0-100%
22	PIXEL BACKGROUND GREEN	000-255	Pixel Background Green %0-100%
23	PIXEL BACKGROUND BLUE	000-255	Pixel Background Blue %0-100%
24	DEVICE SETTINGS	000-005	No function
		006-007	Blackout while moving on (Hold 3s)
		008-009	Blackout while moving off (Hold 3s)
		010-039	Spare
		040-041	Invert Tilt on (Hold 3s)
		042-043	Invert Tilt off (Hold 3s)
		044-073	Spare
		074-075	Nomral Fan (Hold 3s)
		076-077	Silent Fan (Hold 3s)
		078-107	Spare

		108-109	Display on (Hold 3s)
		110-111	Display off (Hold 3s)
		112-141	Spare
		142-143	Dimmer Curve Linear (Hold 3s)
		144-145	Dimmer Curve Square (Hold 3s)
		146-147	Dimmer Curve inv. Square (Hold 3s)
		148-149	Dimmer Curve S-Curve (Hold 3s)
		150-151	Spare
		152-153	Dimmer speed mode off(Hold 5s)
		154-155	Dimmer speed mode1(fast speed)(Hold 5s)
		156-156	Dimmer speed mode2(middle speed)(Hold 5s)
		157-158	Dimmer speed mode3(slow speed)(Hold 5s)
		159-188	Spare
		189-190	Led PWM Freq. 800 Hz (hold 3s)
		191-192	Led PWM Freq. 1200 Hz (hold 3s)
		193-194	Led PWM Freq. 2000 Hz (hold 3s)
		195-196	Led PWM Freq. 3600 Hz (hold 3s)
		197-198	Led PWM Freq. 15KHz (hold 3s)
		199-228	Spare
		229-255	Reset Tilt (Hold 3s)
25	BEAM PIXEL1	000-255	0%-100%
26	BEAM PIXEL2	000-255	0%-100%
27	BEAM PIXEL3	000-255	0%-100%
28	BEAM PIXEL4	000-255	0%-100%
...	...	...	...
33	BEAM PIXEL9	000-255	0%-100%
34	BEAM PIXEL10	000-255	0%-100%
35	BEAM PIXEL11	000-255	0%-100%
36	BEAM PIXEL12	000-255	0%-100%
37	PIXEL1 RED	000-255	0%-100%
38	PIXEL1 GREEN	000-255	0%-100%
39	PIXEL1 BLUE	000-255	0%-100%
34	PIXEL2 RED	000-255	0%-100%
41	PIXEL2 GREEN	000-255	0%-100%
42	PIXEL2 BLUE	000-255	0%-100%
...	...	...	...
322	PIXEL288 RED	000-255	0%-100%
323	PIXEL288 GREEN	000-255	0%-100%
324	PIXEL288 BLUE	000-255	0%-100%

## DMX + NET MODE

CHANNEL	FUNCTION	VALUE	DESCRIPTION	SUB-GROUP
1	TILT	000-255	0%-100%	Tilt
2	TILT FINE	000-255	0%-100%	
3	MASTER DIMMER	000-255	0%-100%	Master Dimmer
4	BEAM DIMMER	000-255	0%-100%	Beam Dimmer
5	PIXEL DIMMER	000-255	0%-100%	Pixel Dimmer
6	BEAM STROBE	000-005	Strobe Open	White Strobe
		006-010	Strobe Close	
		011-250	Strobe slow->fast-<0-20Hz	
		251-255	Strobe Open	

7	BEAM STROBE DURATION	000-005	No function	White Strobe Duration
		006-250	Strobe Duration (Valid only for Strobe Ch6 128-250)	
		251-255	100% on,no strobe	
8	PIXEL STROBE	000-005	Strobe Open	Pixel Strobe
		006-010	Strobe Close	
		011-250	Strobe slow->fast-<0-20Hz	
		251-255	Strobe Open	
9	PIXEL STROBE DURATION	000-005	No function	Pixel Strobe Duration
		006-250	Strobe Duration (Valid only for Strobe Ch8 128-250)	
		251-255	100% on, no strobe	

CHANNEL	FUNCTION	VALUE	DESCRIPTION	SUB-GROUP
1	BEAM PIXEL1	000-255	0%-100%	Beam pixel1
2	BEAM PIXEL2	000-255	0%-100%	Beam pixel1
3	BEAM PIXEL3	000-255	0%-100%	Beam pixel1
4	BEAM PIXEL4	000-255	0%-100%	Beam pixel1
...	...	000-255	0%-100%	...
9	BEAM PIXEL9	000-255	0%-100%	Beam pixel1
10	BEAM PIXEL10	000-255	0%-100%	Beam pixel1
11	BEAM PIXEL11	000-255	0%-100%	Beam pixel1
12	BEAM PIXEL12	000-255	0%-100%	Beam pixel1
13	PIXEL1 RED	000-255	0%-100%	Pixel1 Red
14	PIXEL1 GREEN	000-255	0%-100%	Pixel1 Green
15	PIXEL1 BLUE	000-255	0%-100%	Pixel1 Blue
16	PIXEL1 WHITE	000-255	0%-100%	Pixel1 White
17	PIXEL2 RED	000-255	0%-100%	Pixel2 Red
18	PIXEL2 GREEN	000-255	0%-100%	Pixel2 Green
19	PIXEL2 BLUE	000-255	0%-100%	Pixel2 Blue
20	PIXEL2 WHITE	000-255	0%-100%	Pixel2 White
...	...	000-255	0%-100%	...
65	PIXEL14 RED	000-255	0%-100%	Pixel14 Red
66	PIXEL14 GREEN	000-255	0%-100%	Pixel14 Green
67	PIXEL14 BLUE	000-255	0%-100%	Pixel14 Blue
68	PIXEL14 WHITE	000-255	0%-100%	Pixel14 White



A series of horizontal dotted lines spanning the width of the page, providing a guide for handwriting practice.



A series of horizontal dotted lines for writing, spanning the width of the page.



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