



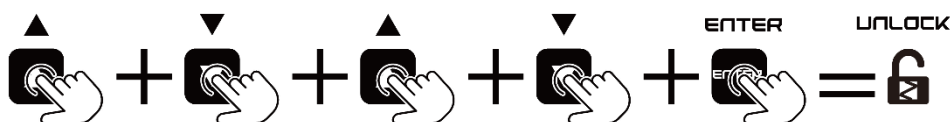
151.524 V1.1

**NEUTRON-DOT**

**QUICK START GUIDE**

# CONTROL MENU

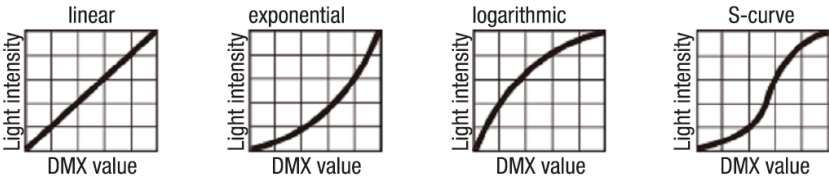
If the display is in standby, unlock it



| MENU        |                 | DESCRIPTION     |                                                                                                                              |
|-------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------------|
| DMX ADDRESS | Set DMX Address | 001-512         |                                                                                                                              |
| MODE        | DMX Mode        | 4 Ch            |                                                                                                                              |
|             |                 | 9 Ch            |                                                                                                                              |
|             |                 | 11 Ch           |                                                                                                                              |
|             |                 | 15 Ch           |                                                                                                                              |
|             |                 | 18Ch            |                                                                                                                              |
|             |                 | 52Ch            |                                                                                                                              |
|             |                 | 63 Ch           |                                                                                                                              |
|             | Slave           | Slave           |                                                                                                                              |
|             | Auto            | Auto Program    | Program 1                                                                                                                    |
|             |                 |                 | ...                                                                                                                          |
|             |                 |                 | Program31                                                                                                                    |
|             | Static          | Auto Speed      | 000-255                                                                                                                      |
|             |                 | Beam Dimmer     | 000-255                                                                                                                      |
|             |                 | Beam Dimmer F   | 000-255                                                                                                                      |
|             |                 | Amber           | 000-255                                                                                                                      |
|             |                 | Aura Dimmer     | 000-255                                                                                                                      |
|             |                 | Beam Strobe Dur | 000-255                                                                                                                      |
|             |                 | Beam Strobe     | 000-255                                                                                                                      |
|             |                 | Aura strobe Dur | 000-255                                                                                                                      |
|             |                 | Aura Strobe     | 000-255                                                                                                                      |
|             |                 | Aura Red        | 000-255                                                                                                                      |
|             |                 | Aura Green      | 000-255                                                                                                                      |
|             |                 | Aura Blue       | 000-255                                                                                                                      |
|             |                 | Color Macro     | 000-255                                                                                                                      |
|             |                 | Aura Program    | 000-255                                                                                                                      |
|             |                 | Program Speed   | 000-255                                                                                                                      |
| SETTINGS    | Display Rev     | ON              | Rotation of the display by 180°                                                                                              |
|             |                 | OFF             | no rotation of the display                                                                                                   |
|             | Display         | ON              | Permanently on                                                                                                               |
|             |                 | OFF             | Deactivation after approx. 30s of inactivity                                                                                 |
|             | DMX Fail        | Freeze          | Last command is held                                                                                                         |
|             |                 | Blackout        | Activates Blackout                                                                                                           |
|             |                 | Auto            | Auto 1 mode                                                                                                                  |
|             | Dimmer Curve    | Linear          | The light intensity increases linearly with the DMX value                                                                    |
|             |                 | Square          | Adjustment of the light intensity is finer in the lower DMX value range and coarser in the upper DMX value range             |
|             |                 | S-Curve         | Adjustment of the light intensity is finer in the lower and upper DMX value ranges and coarser in the middle DMX value range |
|             | Dimmer Speed    | 0-1,5s          | Dimmer speed adjust 0-1.5s                                                                                                   |
|             | Tungsten Mode   | ON              | Tungsten mode function on                                                                                                    |
|             |                 | OFF             | Tungsten mode function off                                                                                                   |
|             | LED Frequency   | 800Hz           | Setting the LED PWM frequency                                                                                                |
|             |                 | 1200Hz          |                                                                                                                              |
|             |                 | 2000Hz          |                                                                                                                              |

|               |                      |                       |                                                                                                                                                                                                                                                                  |                                                      |
|---------------|----------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
|               |                      | 3600 Hz               |                                                                                                                                                                                                                                                                  |                                                      |
|               |                      | 6000 Hz               |                                                                                                                                                                                                                                                                  |                                                      |
|               |                      | 15K Hz                |                                                                                                                                                                                                                                                                  |                                                      |
| Test          | Function test        | ON                    | Test sequence with LEDs                                                                                                                                                                                                                                          |                                                      |
|               |                      | OFF                   | Stops the sequence                                                                                                                                                                                                                                               |                                                      |
| Factory Reset | Reset to factory set | ON                    | Reset to factory setting                                                                                                                                                                                                                                         |                                                      |
|               |                      | OFF                   | Do not perform reset                                                                                                                                                                                                                                             |                                                      |
| Auto Lock     | No lock              |                       | Key lock closure                                                                                                                                                                                                                                                 |                                                      |
|               | 60 Seconds           |                       | Key lock closure, As the key lock opens, display screen backlight 60 seconds out, button is locked, need operation buttons, first to ENTER a password to unlock, ENTER the password to operation display panel buttons UP, DOWN, UP, DOWN, press ENTER to unlock |                                                      |
| SYSTEM INFO   | Firmware             | Software Version Vxxx | Displays the firmware of the device components                                                                                                                                                                                                                   |                                                      |
|               | Error Info           | LED Sensor: Error/OK  |                                                                                                                                                                                                                                                                  |                                                      |
|               | Temperature          | Temp                  | xxx°C                                                                                                                                                                                                                                                            | LED temperature                                      |
|               |                      | Temp Unit             | Fahrenheit                                                                                                                                                                                                                                                       |                                                      |
|               |                      |                       | Celsius                                                                                                                                                                                                                                                          |                                                      |
|               | Time Info            | Power on              | xxx (Hours)                                                                                                                                                                                                                                                      | Displays the total operating time in hours           |
|               |                      | Last Run Hrs          | xxx (Hours)                                                                                                                                                                                                                                                      | Displays the operating time since the last operation |

DIMMING CURVES



# DMX CHANNELS

## 4 CHANNEL

| CHANNEL | FUNCTION   | VALUE   | DESCRIPTION |
|---------|------------|---------|-------------|
| 1       | BEAM       | 000-255 | 0%-100%     |
| 2       | AURA RED   | 000-255 | 0%-100%     |
| 3       | AURA GREEN | 000-255 | 0%-100%     |
| 4       | AURA BLUE  | 000-255 | 0%-100%     |

## 9 CHANNEL

| CHANNEL | FUNCTION        | VALUE   | DESCRIPTION                                     |
|---------|-----------------|---------|-------------------------------------------------|
| 1       | MASTER DIMMER   | 000-255 | 0%-100%                                         |
| 2       | STROBE          | 000-005 | Strobe Open                                     |
|         |                 | 006-010 | Strobe Close                                    |
|         |                 | 011-250 | Strobe slow->fast 0-20HZ                        |
|         |                 | 251-255 | Srobe Open                                      |
| 3       | DURATION        | 000-005 | Strobe Open                                     |
|         |                 | 006-250 | Slow to fast                                    |
|         |                 | 011-250 | Strobe slow->fast-<0-20Hz                       |
|         |                 | 251-255 | Strobe Open                                     |
| 4       | BEAM            | 000-255 | 0%-100%                                         |
| 5       | AMBER           | 000-255 | 0%-100% Red shift function works when it is off |
| 6       | AURA RED        | 000-255 | 0%-100%                                         |
| 7       | AURA GREEN      | 000-255 | 0%-100%                                         |
| 8       | AURA BLUE       | 000-255 | 0%-100%                                         |
| 9       | DEVICE SETTINGS | 000-005 | Tungsten mode off (Hold 3s)                     |
|         |                 | 006-010 | Tungsten mode on (Hold 3s)                      |
|         |                 | 011-015 | Display on (Hold 3s)                            |
|         |                 | 016-025 | Display off (Hold 3s)                           |
|         |                 | 026-035 | Spare                                           |
|         |                 | 036-045 | Dimmer Curve Linear (Hold 3s)                   |
|         |                 | 046-055 | Dimmer Curve Square (Hold 3s)                   |
|         |                 | 056-065 | Dimmer Curve inv. Square (Hold 3s)              |
|         |                 | 066-075 | Dimmer Curve S-Curve (Hold 3s)                  |
|         |                 | 076-085 | Spare                                           |
|         |                 | 086-096 | Dim speed mode off(Hold 5s)                     |
|         |                 | 096-105 | Dim speed mode1(fast speed 0.5s)(Hold 5s)       |
|         |                 | 106-115 | Dim speed mode2(middle speed 1s)(Hold 5s)       |
|         |                 | 116-125 | Dim speed mode3(slow speed 1.5s)(Hold 5s)       |
|         |                 | 126-135 | Spare                                           |
|         |                 | 136-145 | Led PWM Freq. 800 Hz (hold 3s)                  |
|         |                 | 146-155 | Led PWM Freq. 1200 Hz (hold 3s)                 |
|         |                 | 156-165 | Led PWM Freq. 2000 Hz (hold 3s)                 |
|         |                 | 166-175 | Led PWM Freq. 3600 Hz (hold 3s)                 |
|         |                 | 176-185 | Led PWM Freq. 6000 Hz (hold 3s)                 |
|         |                 | 186-195 | Led PWM Freq. 15KHz (hold 3s)                   |
|         |                 | 196-255 | No function                                     |

## 11 CHANNEL

| CHANNEL | FUNCTION             | VALUE   | DESCRIPTION                                     |
|---------|----------------------|---------|-------------------------------------------------|
| 1       | MASTER DIMMER        | 000-255 | 0%-100%                                         |
| 2       | BEAM STROBE DURATION | 000-005 | Strobe Open                                     |
|         |                      | 006-010 | Strobe Close                                    |
|         |                      | 011-250 | Strobe slow->fast 0-20HZ                        |
|         |                      | 251-255 | Strobe Open                                     |
| 3       | BEAM STROBE          | 000-005 | Strobe Open                                     |
|         |                      | 006-010 | Strobe Close                                    |
|         |                      | 011-250 | Strobe slow->fast 0-20HZ                        |
|         |                      | 251-255 | Strobe Open                                     |
| 4       | AURA STROBE DURATION | 000-005 | Strobe Open                                     |
|         |                      | 006-250 | Slow to fast                                    |
|         |                      | 251-255 | Strobe open                                     |
| 5       | AURA STROBE          | 000-005 | Strobe Open                                     |
|         |                      | 006-250 | Slow to fast                                    |
|         |                      | 251-255 | Strobe open                                     |
| 6       | BEAM                 | 000-255 | 0%-100%                                         |
| 7       | AMBER                | 000-255 | 0%-100% Red shift function works when it is off |
| 8       | AURA RED             | 000-255 | 0%-100%                                         |
| 9       | AURA GREEN           | 000-255 | 0%-100%                                         |
| 10      | AURA BLUE            | 000-255 | 0%-100%                                         |
| 11      | DEVICE SETTINGS      | 000-005 | Tungsten mode off (Hold 3s)                     |
|         |                      | 006-010 | Tungsten mode on (Hold 3s)                      |
|         |                      | 011-015 | Display on (Hold 3s)                            |
|         |                      | 016-025 | Display off (Hold 3s)                           |
|         |                      | 026-035 | Spare                                           |
|         |                      | 036-045 | Dimmer Curve Linear (Hold 3s)                   |
|         |                      | 046-055 | Dimmer Curve Square (Hold 3s)                   |
|         |                      | 056-065 | Dimmer Curve inv. Square (Hold 3s)              |
|         |                      | 066-075 | Dimmer Curve S-Curve (Hold 3s)                  |
|         |                      | 076-085 | Spare                                           |
|         |                      | 086-096 | Dim speed mode off(Hold 5s)                     |
|         |                      | 097-105 | Dim speed mode1(fast speed 0.5s)(Hold 5s)       |
|         |                      | 106-115 | Dim speed mode2(middle speed 1s)(Hold 5s)       |
|         |                      | 116-125 | Dim speed mode3(slow speed 1.5s)(Hold 5s)       |
|         |                      | 126-135 | Spare                                           |
|         |                      | 136-145 | Led PWM Freq. 800 Hz (hold 3s)                  |
|         |                      | 146-155 | Led PWM Freq. 1200 Hz (hold 3s)                 |
|         |                      | 156-165 | Led PWM Freq. 2000 Hz (hold 3s)                 |
|         |                      | 166-175 | Led PWM Freq. 3600 Hz (hold 3s)                 |
|         |                      | 176-185 | Led PWM Freq. 6000 Hz (hold 3s)                 |
|         |                      | 186-195 | Led PWM Freq. 15KHz (hold 3s)                   |
|         |                      | 196-255 | No function                                     |

## 15 CHANNEL

| CHANNEL | FUNCTION         | VALUE   | DESCRIPTION                                     |
|---------|------------------|---------|-------------------------------------------------|
| 1       | BEAM DIMMER      | 000-255 | 0%-100%                                         |
| 2       | BEAM DINNER FINE | 000-255 | 0%-100%                                         |
| 3       | AMBER            | 000-255 | 0%-100% Red shift function works when it is off |
| 4       | AURA DIMMER      | 000-255 | 0%-100%                                         |
| 5       | BEAM DURATION    | 000-005 | Strobe Open                                     |
|         |                  | 006-250 | Slow->fast                                      |

|    |                  |         |                                                         |
|----|------------------|---------|---------------------------------------------------------|
|    |                  | 251-255 | Strobe Open                                             |
| 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-<0-20Hz                               |
|    |                  | 251-255 | Strobe Open                                             |
| 7  | AURA DURATION    | 000-005 | Strobe Open                                             |
|    |                  | 006-250 | Slow->fast                                              |
|    |                  | 251-255 | Strobe Open                                             |
| 8  | AURA 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-<0-20Hz                               |
|    |                  | 251-255 | Strobe Open                                             |
| 9  | AURA RED         | 000-255 | 0%-100%                                                 |
| 10 | AURA GREEN       | 000-255 | 0%-100%                                                 |
| 11 | AURA BLUE        | 000-255 | 0%-100%                                                 |
| 12 | AURA COLOR MACRO | 000-010 | No function                                             |
|    |                  | 011-011 | R:0 G:0 B:255                                           |
|    |                  | 012-048 | Orchid-218-112-214                                      |
|    |                  | 049-049 | R:0 G:+ B:255                                           |
|    |                  | 050-086 | R:0 G:255 B:255                                         |
|    |                  | 087-087 | R:0 G:255 B:-                                           |
|    |                  | 088-124 | R:0 G:255 B:0                                           |
|    |                  | 125-125 | R:+ G:255 B:0                                           |
|    |                  | 126-162 | R:255 G:255 B:0                                         |
|    |                  | 163-163 | R:255 G:- B:0                                           |
|    |                  | 164-200 | R:255 G:0 B:0                                           |
|    |                  | 201-201 | R:255 G:0 B:+                                           |
|    |                  | 202-238 | R:255 G:0 B:255                                         |
|    |                  | 239     | R:- G:0 B:255                                           |
|    |                  | 240-247 | R:0 G:0 B:255                                           |
|    |                  | 248-255 | Color index,fast to slow                                |
| 13 | AURA EFFECT      | 000-005 | No function                                             |
|    |                  | 006-008 | Effect 1                                                |
|    |                  | 009-011 | Effect 2                                                |
|    |                  | 012-014 | Effect 3                                                |
|    |                  | 015-017 | Effect 4                                                |

|         |           |
|---------|-----------|
| 018-020 | Effect 5  |
| 021-023 | Effect 6  |
| 024-026 | Effect 7  |
| 027-029 | Effect 8  |
| 030-032 | Effect9   |
| 033-035 | Effect 10 |
| 036-038 | Effect 11 |
| 039-041 | Effect 12 |
| 042-044 | Effect 13 |
| 045-047 | Effect 14 |
| 048-050 | Effect 15 |
| 051-053 | Effect 16 |
| 054-056 | Effect 17 |
| 057-059 | Effect 18 |
| 060-062 | Effect 19 |
| 063-065 | Effect 20 |
| 066-068 | Effect 21 |
| 069-071 | Effect 22 |
| 072-074 | Effect 23 |
| 075-077 | Effect 24 |
| 078-080 | Effect 25 |
| 081-083 | Effect 26 |
| 084-086 | Effect 27 |
| 087-089 | Effect 28 |
| 090-092 | Effect 29 |
| 093-095 | Effect 30 |
| 096-098 | Effect 31 |
| 099-101 | Effect 32 |
| 102-104 | Effect 33 |
| 105-107 | Effect 34 |
| 108-110 | Effect 35 |
| 111-113 | Effect 36 |
| 114-116 | Effect 37 |
| 117-119 | Effect 38 |
| 120-122 | Effect 39 |
| 123-125 | Effect 40 |
| 126-128 | Effect 41 |
| 129-131 | Effect 42 |
| 132-134 | Effect 43 |
| 135-137 | Effect 44 |
| 138-140 | Effect 45 |
| 141-143 | Effect 46 |
| 144-146 | Effect 47 |
| 147-149 | Effect 48 |
| 150-152 | Effect 49 |
| 153-155 | Effect 50 |
| 156-158 | Effect 51 |
| 159-161 | Effect 52 |
| 162-164 | Effect 53 |
| 165-167 | Effect 54 |
| 168-170 | Effect 55 |
| 171-173 | Effect 56 |

|         |                                           |
|---------|-------------------------------------------|
| 174-176 | Effect 57                                 |
| 177-179 | Effect 58                                 |
| 180-182 | Effect 59                                 |
| 183-185 | Effect 60                                 |
| 186-188 | Effect 61                                 |
| 189-191 | Effect 62                                 |
| 192-194 | Effect 63                                 |
| 195-197 | Effect 64                                 |
| 198-200 | Effect 65                                 |
| 201-203 | Effect 66                                 |
| 204-206 | Effect 67                                 |
| 207-209 | Effect 68                                 |
| 210-212 | Effect 69                                 |
| 213-215 | Effect 70                                 |
| 216-218 | Effect 71                                 |
| 219-221 | Effect 72                                 |
| 222-224 | Effect 73                                 |
| 225-227 | Effect 74                                 |
| 228-230 | Effect 75                                 |
| 231-233 | Effect 76                                 |
| 234-236 | Effect 77                                 |
| 237-239 | Effect 78                                 |
| 240-242 | Effect 79                                 |
| 243-245 | Effect 80                                 |
| 246-248 | Effect 81                                 |
| 249-255 | No function                               |
| 000-255 | Effect speed, slow->fast                  |
| 000-005 | Tungsten mode off (Hold 3s)               |
| 006-010 | Tungsten mode on (Hold 3s)                |
| 011-015 | Display on (Hold 3s)                      |
| 016-025 | Display off (Hold 3s)                     |
| 026-035 | Spare                                     |
| 036-045 | Dimmer Curve Linear (Hold 3s)             |
| 046-055 | Dimmer Curve Square (Hold 3s)             |
| 056-065 | Dimmer Curve inv. Square (Hold 3s)        |
| 066-075 | Dimmer Curve S-Curve (Hold 3s)            |
| 076-085 | Spare                                     |
| 086-096 | Dim speed mode off(Hold 5s)               |
| 097-105 | Dim speed mode1(fast speed 0.5s)(Hold 5s) |
| 106-115 | Dim speed mode2(middle speed 1s)(Hold 5s) |
| 116-125 | Dim speed mode3(slow speed 1.5s)(Hold 5s) |
| 126-135 | Spare                                     |
| 136-145 | Led PWM Freq. 800 Hz (hold 3s)            |
| 146-155 | Led PWM Freq. 1200 Hz (hold 3s)           |
| 156-165 | Led PWM Freq. 2000 Hz (hold 3s)           |
| 166-175 | Led PWM Freq. 3600 Hz (hold 3s)           |
| 176-185 | Led PWM Freq. 6000 Hz (hold 3s)           |
| 186-195 | Led PWM Freq.15KHz (hold 3s)              |
| 196-255 | No function                               |

## 18 CHANNEL

| CHANNEL | FUNCTION    | VALUE   | DESCRIPTION |
|---------|-------------|---------|-------------|
| 1       | BEAM DIMMER | 000-255 | 0%-100%     |

|    |                  |         |                                                         |
|----|------------------|---------|---------------------------------------------------------|
| 2  | BEAM DIMMER FINE | 000-255 | 0%-100%                                                 |
| 3  | AMBER            | 000-255 | 0%-100% Red shift function works when it is off         |
| 4  | AURA DIMMER      | 000-255 | 0%-100%                                                 |
| 5  | BEAM DURATION    | 000-005 | Open                                                    |
|    |                  | 006-250 | Slow->fast                                              |
|    |                  | 251-255 | Open                                                    |
| 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-<0-20Hz                               |
|    |                  | 251-255 | Strobe Open                                             |
| 7  | AURA DURATION    | 000-005 | Open                                                    |
|    |                  | 006-250 | Slow->fast                                              |
|    |                  | 251-255 | Open                                                    |
| 8  | AURA 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-<0-20Hz                               |
|    |                  | 251-255 | Strobe Open                                             |
| 9  | AURA RED         | 000-255 | 0%-100%                                                 |
| 10 | AURA GREEN       | 000-255 | 0%-100%                                                 |
| 11 | AURA BLUE        | 000-255 | 0%-100%                                                 |
| 12 | AURA FOREGROUND  | 000-010 | R:0 G:0 B:255                                           |
|    |                  | 011-011 | Orchid-218-112-214                                      |
|    |                  | 012-048 | R:0 G:+ B:255                                           |
|    |                  | 049-049 | R:0 G:255 B:255                                         |
|    |                  | 050-086 | R:0 G:255 B:-                                           |
|    |                  | 087-087 | R:0 G:255 B:0                                           |
|    |                  | 088-124 | R:+ G:255 B:0                                           |
|    |                  | 125-125 | R:255 G:255 B:0                                         |
|    |                  | 126-162 | R:255 G:- B:0                                           |
|    |                  | 163-163 | R:255 G:0 B:0                                           |
|    |                  | 164-200 | R:255 G:0 B:+                                           |
|    |                  | 201-201 | R:255 G:0 B:255                                         |
|    |                  | 202-238 | R:- G:0 B:255                                           |
|    |                  | 239-239 | R:0 G:0 B:255                                           |
|    |                  | 240-247 | Color index,fast to slow                                |
|    |                  | 248-255 | Color snap,fast to slow                                 |

|    |                           |         |                          |
|----|---------------------------|---------|--------------------------|
| 13 | AURA FOREGROUND           | 000-255 | 0%-100%                  |
| 14 | AURA BACKGROUND           | 000-010 | No function              |
|    |                           | 011-011 | R:0 G:0 B:255            |
|    |                           | 012-048 | R:0 G:+ B:255            |
|    |                           | 049-049 | R:0 G:255 B:255          |
|    |                           | 050-086 | R:0 G:255 B:-            |
|    |                           | 087-087 | R:0 G:255 B:0            |
|    |                           | 088-124 | R:+ G:255 B:0            |
|    |                           | 125-125 | R:255 G:255 B:0          |
|    |                           | 126-162 | R:255 G:- B:0            |
|    |                           | 163-163 | R:255 G:0 B:0            |
|    |                           | 164-200 | R:255 G:0 B:+            |
|    |                           | 201-201 | R:255 G:0 B:255          |
|    |                           | 202-238 | R:- G:0 B:255            |
|    |                           | 239-239 | R:0 G:0 B:255            |
|    |                           | 240-247 | Color index,fast to slow |
|    |                           | 248-255 | Color snap,fast to slow  |
| 15 | AURA BACKGROUND<br>DIMMER | 000-255 | 0%-100%                  |
| 16 | AURA EFFECT               | 000-005 | No function              |
|    |                           | 006-008 | Effect 1                 |
|    |                           | 009-011 | Effect 2                 |
|    |                           | 012-014 | Effect 3                 |
|    |                           | 015-017 | Effect 4                 |
|    |                           | 018-020 | Effect 5                 |
|    |                           | 021-023 | Effect 6                 |
|    |                           | 024-026 | Effect 7                 |
|    |                           | 027-029 | Effect 8                 |
|    |                           | 030-032 | Effect 9                 |
|    |                           | 033-035 | Effect 10                |
|    |                           | 036-038 | Effect 11                |
|    |                           | 039-041 | Effect 12                |
|    |                           | 042-044 | Effect 13                |
|    |                           | 045-047 | Effect 14                |
|    |                           | 048-050 | Effect 15                |
|    |                           | 051-053 | Effect 16                |
|    |                           | 054-056 | Effect 17                |
|    |                           | 057-059 | Effect 18                |
|    |                           | 060-062 | Effect 19                |
|    |                           | 063-065 | Effect 20                |
|    |                           | 066-068 | Effect 21                |
|    |                           | 069-071 | Effect 22                |
|    |                           | 072-074 | Effect 23                |
|    |                           | 075-077 | Effect 24                |
|    |                           | 078-080 | Effect 25                |
|    |                           | 081-083 | Effect 26                |
|    |                           | 084-086 | Effect 27                |
|    |                           | 087-089 | Effect 28                |
|    |                           | 090-092 | Effect 29                |
|    |                           | 093-095 | Effect 30                |
|    |                           | 096-098 | Effect 31                |
|    |                           | 099-101 | Effect 32                |

|         |                             |
|---------|-----------------------------|
| 102-104 | Effect 33                   |
| 105-107 | Effect 34                   |
| 108-110 | Effect 35                   |
| 111-113 | Effect 36                   |
| 114-116 | Effect 37                   |
| 117-119 | Effect 38                   |
| 120-122 | Effect 39                   |
| 123-125 | Effect 40                   |
| 126-128 | Effect 41                   |
| 129-131 | Effect 42                   |
| 132-134 | Effect 43                   |
| 135-137 | Effect 44                   |
| 138-140 | Effect 45                   |
| 141-143 | Effect 46                   |
| 144-146 | Effect 47                   |
| 147-149 | Effect 48                   |
| 150-152 | Effect 49                   |
| 153-155 | Effect 50                   |
| 156-158 | Effect 51                   |
| 159-161 | Effect 52                   |
| 162-164 | Effect 53                   |
| 165-167 | Effect 54                   |
| 168-170 | Effect 55                   |
| 171-173 | Effect 56                   |
| 174-176 | Effect 57                   |
| 177-179 | Effect 58                   |
| 180-182 | Effect 59                   |
| 183-185 | Effect 60                   |
| 186-188 | Effect 61                   |
| 189-191 | Effect 62                   |
| 192-194 | Effect 63                   |
| 195-197 | Effect 64                   |
| 198-200 | Effect 65                   |
| 201-203 | Effect 66                   |
| 204-206 | Effect 67                   |
| 207-209 | Effect 68                   |
| 210-212 | Effect 69                   |
| 213-215 | Effect 70                   |
| 216-218 | Effect 71                   |
| 219-221 | Effect 72                   |
| 222-224 | Effect 73                   |
| 225-227 | Effect 74                   |
| 228-230 | Effect 75                   |
| 231-233 | Effect 76                   |
| 234-236 | Effect 77                   |
| 237-239 | Effect 78                   |
| 240-242 | Effect 79                   |
| 243-245 | Effect 80                   |
| 246-248 | Effect 81                   |
| 249-255 | No function                 |
| 000-255 | Effect speed, slow->fast    |
| 000-005 | Tungsten mode off (Hold 3s) |

|         |                                           |
|---------|-------------------------------------------|
| 006-010 | Tungsten mode on (Hold 3s)                |
| 011-015 | Display on (Hold 3s)                      |
| 016-025 | Display off (Hold 3s)                     |
| 026-035 | Spare                                     |
| 036-045 | Dimmer Curve Linear (Hold 3s)             |
| 046-055 | Dimmer Curve Square (Hold 3s)             |
| 056-065 | Dimmer Curve inv. Square (Hold 3s)        |
| 066-075 | Dimmer Curve S-Curve (Hold 3s)            |
| 076-085 | Spare                                     |
| 086-096 | Dim speed mode off(Hold 5s)               |
| 097-105 | Dim speed mode1(fast speed 0.5s)(Hold 5s) |
| 106-115 | Dim speed mode2(middle speed 1s)(Hold 5s) |
| 116-125 | Dim speed mode3(slow speed 1.5s)(Hold 5s) |
| 126-135 | Spare                                     |
| 136-145 | Led PWM Freq. 800 Hz (hold 3s)            |
| 146-155 | Led PWM Freq. 1200 Hz (hold 3s)           |
| 156-165 | Led PWM Freq. 2000 Hz (hold 3s)           |
| 166-175 | Led PWM Freq. 3600 Hz (hold 3s)           |
| 176-185 | Led PWM Freq. 6000 Hz (hold 3s)           |
| 186-195 | Led PWM Freq.15KHz (hold 3s)              |
| 196-255 | No function                               |

## 52 CHANNEL

| CHANNEL | FUNCTION      | VALUE   | DESCRIPTION                                     |
|---------|---------------|---------|-------------------------------------------------|
| 1       | MASTER DIMMER | 000-255 | 0%-100%                                         |
| 2       | STROBE        | 000-005 | Open                                            |
|         |               | 006-010 | Close                                           |
|         |               | 011-250 | Slow to fast 0-20HZ                             |
|         |               | 251-255 | Open                                            |
| 3       | BEAM          | 000-255 | 0%-100%                                         |
| 4       | AMBER         | 000-255 | 0%-100% Red shift function works when it is off |
| 5       | AURA RED      | 000-255 | Aura Red Pixel 1, 0-100%                        |
| 6       | AURA GREEN    | 000-255 | Aura Green Pixel 1, 0-100%                      |
| 7       | AURA BLUE     | 000-255 | Aura Blue Pixel 1, 0-100%                       |
| 8       | AURA RED      | 000-255 | Aura Red Pixel 2, 0-100%                        |
| 9       | AURA GREEN    | 000-255 | Aura Green Pixel 2,0-100%                       |
| 10      | AURA BLUE     | 000-255 | Aura Blue Pixel 2, 0-100%                       |
|         | .....         | ....    | .....                                           |
|         | .....         | ....    | .....                                           |
|         | .....         | ....    | .....                                           |
| 47      | AURA RED      | 000-255 | Aura Red Pixel 15, 0-100%                       |
| 48      | AURA GREEN    | 000-255 | Aura Green Pixel 15, 0-100%                     |
| 49      | AURA BLUE     | 000-255 | Aura Blue Pixel 15, 0-100%                      |
| 50      | AURA RED      | 000-255 | Aura Red Pixel 16, 0-100%                       |
| 51      | AURA GREEN    | 000-255 | Aura Green Pixel 16,0-100%                      |
| 52      | AURA BLUE     | 000-255 | Aura Blue Pixel 16, 0-100%                      |

## 63 CHANNEL

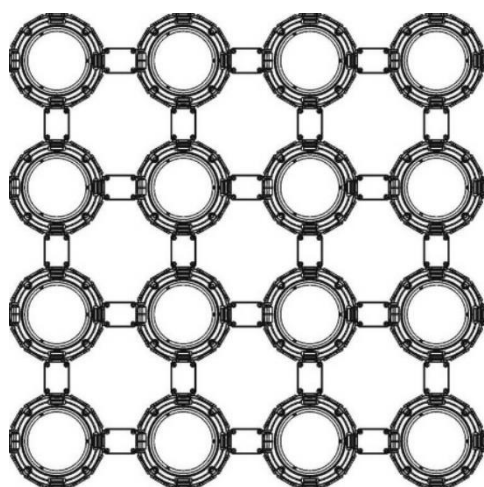
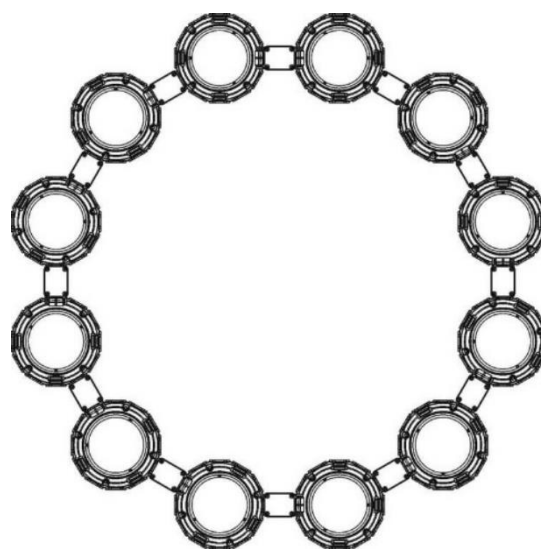
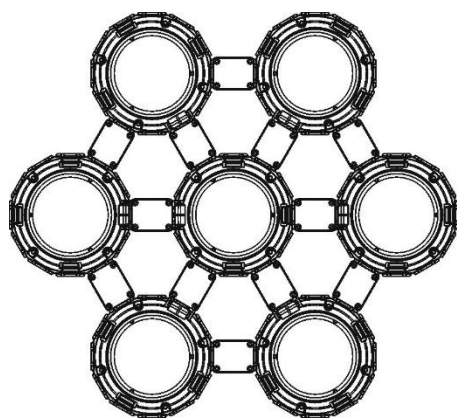
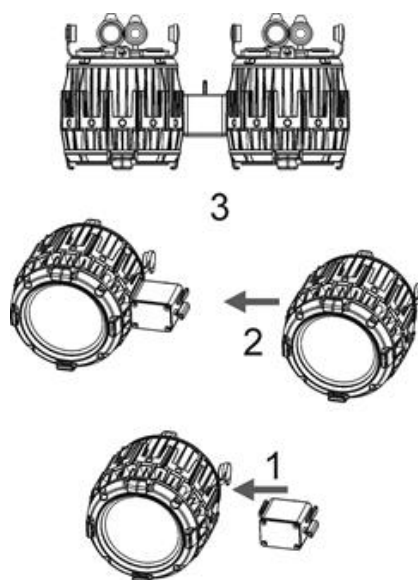
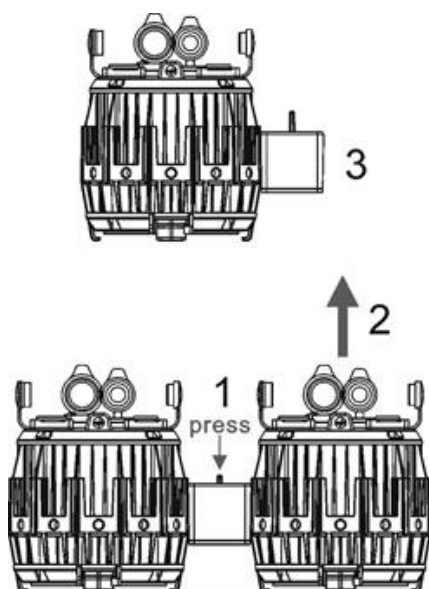
| CHANNEL | FUNCTION      | VALUE   | DESCRIPTION                                     |
|---------|---------------|---------|-------------------------------------------------|
| 1       | MASTER DIMMER | 000-255 | 0%-100%                                         |
| 2       | BEAM          | 000-255 | 0%-100%                                         |
| 3       | AMBER         | 000-255 | 0%-100% Red shift function works when it is off |
| 4       | AURA DIMMER   | 000-255 | 0%-100%                                         |

|       |                 |         |                                                         |
|-------|-----------------|---------|---------------------------------------------------------|
| 5     | BEAN DURATION   | 000-005 | Open                                                    |
|       |                 | 006-250 | Slow->fast                                              |
|       |                 | 251-255 | Open                                                    |
| 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-<0-20Hz                               |
|       |                 | 251-255 | Strobe Open                                             |
| 7     | AURA DURATION   | 000-005 | Open                                                    |
|       |                 | 006-250 | Slow->fast                                              |
|       |                 | 251-255 | Open                                                    |
| 8     | AURA 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-<0-20Hz                               |
|       |                 | 251-255 | Strobe Open                                             |
| 9     | AURA RED        | 000-255 | Aura Red Pixel 1, 0-100%                                |
| 10    | AURA GREEN      | 000-255 | Aura Green Pixel 1, 0-100%                              |
| 11    | AURA BLUE       | 000-255 | Aura Blue Pixel 1, 0-100%                               |
| 12    | AURA RED        | 000-255 | Aura Red Pixel 2, 0-100%                                |
| 13    | AURA GREEN      | 000-255 | Aura Green Pixel 2,0-100%                               |
| 14    | AURA BLUE       | 000-255 | Aura Blue Pixel 2, 0-100%                               |
| ..... | ....            | .....   |                                                         |
| ..... | ....            | .....   |                                                         |
| ..... | ....            | .....   |                                                         |
| 51    | AURA RED        | 000-255 | Aura Red Pixel 15, 0-100%                               |
| 52    | AURA GREEN      | 000-255 | Aura Green Pixel 15, 0-100%                             |
| 53    | AURA BLUE       | 000-255 | Aura Blue Pixel 15, 0-100%                              |
| 54    | AURA RED        | 000-255 | Aura Red Pixel 16, 0-100%                               |
| 55    | AURA GREEN      | 000-255 | Aura Green Pixel 16,0-100%                              |
| 56    | AURA BLUE       | 000-255 | Aura Blue Pixel 16, 0-100%                              |
| 57    | AURA FOREGROUND | 000-010 | No function                                             |
|       |                 | 011-011 | R:0 G:0 B:255 Blue                                      |
|       |                 | 012-048 | R:0 G:+ B:255                                           |
|       |                 | 049-049 | R:0 G:255 B:255                                         |
|       |                 | 050-086 | R:0 G:255 B:-                                           |
|       |                 | 087-087 | R:0 G:255 B:0                                           |
|       |                 | 088-124 | R:+ G:255 B:0                                           |

|    |                        |         |                          |
|----|------------------------|---------|--------------------------|
|    |                        | 125-125 | R:255 G:255 B:0          |
|    |                        | 126-162 | R:255 G:- B:0            |
|    |                        | 163-163 | R:255 G:0 B:0            |
|    |                        | 164-200 | R:255 G:0 B:+            |
|    |                        | 201-201 | R:255 G:0 B:255          |
|    |                        | 202-238 | R:- G:0 B:255            |
|    |                        | 239-239 | R:0 G:0 B:255            |
|    |                        | 240-247 | Color index,fast to slow |
|    |                        | 248-255 | Color snap,fast to slow  |
| 58 | AURA FOREGROUND DIMMER | 000-255 | 0%-100%                  |
| 59 | AURA BACKGROUND        | 000-010 | No function              |
|    |                        | 011-011 | R:0 G:0 B:255            |
|    |                        | 012-048 | R:0 G:+ B:255            |
|    |                        | 049-049 | R:0 G:255 B:255          |
|    |                        | 050-086 | R:0 G:255 B:-            |
|    |                        | 087-087 | R:0 G:255 B:0            |
|    |                        | 088-124 | R:+ G:255 B:0            |
|    |                        | 125-125 | R:255 G:255 B:0          |
|    |                        | 126-162 | R:255 G:- B:0            |
|    |                        | 163-163 | R:255 G:0 B:0            |
|    |                        | 164-200 | R:255 G:0 B:+            |
|    |                        | 201-201 | R:255 G:0 B:255 W:0      |
|    |                        | 202-238 | R:- G:0 B:255            |
|    |                        | 239-239 | R:0 G:0 B:255            |
|    |                        | 240-247 | Color index,fast to slow |
|    |                        | 248-255 | Color snap,fast to slow  |
| 60 | AURA BACKGROUND DIMMER | 000-255 | 0%-100%                  |
| 61 | AURA EFFECT            | 000-005 | No function              |
|    |                        | 006-008 | Effect 1                 |
|    |                        | 009-011 | Effect 2                 |
|    |                        | 012-014 | Effect 3                 |
|    |                        | 015-017 | Effect 4                 |
|    |                        | 018-020 | Effect 5                 |
|    |                        | 021-023 | Effect 6                 |
|    |                        | 024-026 | Effect 7                 |
|    |                        | 027-029 | Effect 8                 |
|    |                        | 030-032 | Effect 9                 |
|    |                        | 033-035 | Effect 10                |
|    |                        | 036-038 | Effect 11                |
|    |                        | 039-041 | Effect 12                |
|    |                        | 042-044 | Effect 13                |
|    |                        | 045-047 | Effect 14                |
|    |                        | 048-050 | Effect 15                |
|    |                        | 051-053 | Effect 16                |
|    |                        | 054-056 | Effect 17                |
|    |                        | 057-059 | Effect 18                |
|    |                        | 060-062 | Effect 19                |
|    |                        | 063-065 | Effect 20                |
|    |                        | 066-068 | Effect 21                |
|    |                        | 069-071 | Effect 22                |

|         |           |
|---------|-----------|
| 072-074 | Effect 23 |
| 075-077 | Effect 24 |
| 078-080 | Effect 25 |
| 081-083 | Effect 26 |
| 084-086 | Effect 27 |
| 087-089 | Effect 28 |
| 090-092 | Effect 29 |
| 093-095 | Effect 30 |
| 096-098 | Effect 31 |
| 099-101 | Effect 32 |
| 102-104 | Effect 33 |
| 105-107 | Effect 34 |
| 108-110 | Effect 35 |
| 111-113 | Effect 36 |
| 114-116 | Effect 37 |
| 117-119 | Effect 38 |
| 120-122 | Effect 39 |
| 123-125 | Effect 40 |
| 126-128 | Effect 41 |
| 129-131 | Effect 42 |
| 132-134 | Effect 43 |
| 135-137 | Effect 44 |
| 138-140 | Effect 45 |
| 141-143 | Effect 46 |
| 144-146 | Effect 47 |
| 147-149 | Effect 48 |
| 150-152 | Effect 49 |
| 153-155 | Effect 50 |
| 156-158 | Effect 51 |
| 159-161 | Effect 52 |
| 162-164 | Effect 53 |
| 165-167 | Effect 54 |
| 168-170 | Effect 55 |
| 171-173 | Effect 56 |
| 174-176 | Effect 57 |
| 177-179 | Effect 58 |
| 180-182 | Effect 59 |
| 183-185 | Effect 60 |
| 186-188 | Effect 61 |
| 189-191 | Effect 62 |
| 192-194 | Effect 63 |
| 195-197 | Effect 64 |
| 198-200 | Effect 65 |
| 201-203 | Effect 66 |
| 204-206 | Effect 67 |
| 207-209 | Effect 68 |
| 210-212 | Effect 69 |
| 213-215 | Effect 70 |
| 216-218 | Effect 71 |
| 219-221 | Effect 72 |
| 222-224 | Effect 73 |
| 225-227 | Effect 74 |

|    |                 |         |                                           |
|----|-----------------|---------|-------------------------------------------|
|    |                 | 228-230 | Effect 75                                 |
|    |                 | 231-233 | Effect 76                                 |
|    |                 | 234-236 | Effect 77                                 |
|    |                 | 237-239 | Effect 78                                 |
|    |                 | 240-242 | Effect 79                                 |
|    |                 | 243-245 | Effect 80                                 |
|    |                 | 246-248 | Effect 81                                 |
|    |                 | 249-255 | No function                               |
| 62 | EFFECT SPEED    | 000-255 | Effect speed, slow->fast                  |
| 63 | DEVICE SETTINGS | 000-005 | Tungsten mode off (Hold 3s)               |
|    |                 | 006-010 | Tungsten mode on (Hold 3s)                |
|    |                 | 011-015 | Display on (Hold 3s)                      |
|    |                 | 016-025 | Display off (Hold 3s)                     |
|    |                 | 026-035 | Spare                                     |
|    |                 | 036-045 | Dimmer Curve Linear (Hold 3s)             |
|    |                 | 046-055 | Dimmer Curve Square (Hold 3s)             |
|    |                 | 056-065 | Dimmer Curve inv. Square (Hold 3s)        |
|    |                 | 066-075 | Dimmer Curve S-Curve (Hold 3s)            |
|    |                 | 076-085 | Spare                                     |
|    |                 | 086-096 | Dim speed mode off(Hold 5s)               |
|    |                 | 097-105 | Dim speed mode1(fast speed 0.5s)(Hold 5s) |
|    |                 | 106-115 | Dim speed mode2(middle speed 1s)(Hold 5s) |
|    |                 | 116-125 | Dim speed mode3(slow speed 1.5s)(Hold 5s) |
|    |                 | 126-135 | Spare                                     |
|    |                 | 136-145 | Led PWM Freq. 800 Hz (hold 3s)            |
|    |                 | 146-155 | Led PWM Freq. 1200 Hz (hold 3s)           |
|    |                 | 156-165 | Led PWM Freq. 2000 Hz (hold 3s)           |
|    |                 | 166-175 | Led PWM Freq. 3600 Hz (hold 3s)           |
|    |                 | 176-185 | Led PWM Freq. 6000 Hz (hold 3s)           |
|    |                 | 186-195 | Led PWM Freq.15KHz (hold 3s)              |
|    |                 | 196-255 | No function                               |









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