

# **THUNDERBREAKER**



Please read the instruction carefully before use

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# 1. Safety Instructions



Please read the instruction carefully which includes important information about the installation, usage and maintenance.

#### WARNING

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

#### Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

- Unpack and check carefully that there is no transportation damage before using the unit.
- The equipment is suitable for wet/indoor use.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Be sure that no ventilation slots are blocked, otherwise the unit will be overheated.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA:  $0^{\circ}$ C. Maximum ambient temperature TA:  $40^{\circ}$ C.
- DO NOT connect the device to any dimmer pack.
- Make sure there are no flammable materials close to the unit while operating to avoid fire hazard.
- Examine the power wires carefully; replace them immediately if there is any damage.
- Unit's surface temperature may reach up to 75 °C. DO NOT touch the housing bare-handed during its operation.
- DO NOT operate in dirty or dusty environment, do clean fixtures regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid power wires together twist other cables.
- The minimum distance between light output and the illuminated surface must be more than 0.5 meters.

- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- DO NOT open the unit as there are no user serviceable parts inside.
- Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- Disconnect the mains power if the fixture is has not been used for a long time.
- DO use the original packing materials before transporting it again.
- DO NOT look directly at the light while the Luminaires is on.
- DO NOT start on the unit without Luminaires enclosure or when housing is damaged.

#### Installation:

The fixture should be mounted via its Omega Quick Release Clamp bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating and make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the fixtures weight. Always use a safety cable that can hold 12 times of the weight of the fixture when installing.

The equipment must be installed by professionals. It must be installed in a place where is out of the reach of people and no one can pass by or under it.

## 2. Technical Specifications

#### **Power Voltage:**

AC  $100^{\sim}240V$ , 50/60Hz**Power Consumption:** 

400w

#### Light Source:

576 x 0.8W RGBW LED

#### **Beam Angle:**

110°

#### **Dimmer/Shutter:**

Smooth dimming from 0-100%; outstanding strobe effect with variable speed

#### Control:

DMX Channel: 6/11/12/13A/13B/17/21A/21B/29/37/41/53 Channels Protocols: DMX512, RDM

Firmware Upgrade via DMX link or USB disk

#### **Construction:**

Display: Color display

Data In/Out: 3-pin (5-pin XLR is optional)

Power In/Out: Power Connector in/out

Protection Rating: IPX4

Number of connected machines: Maximum number of connected DMX machines: 32 Maximum number of power supply units: 120V, 60Hz: 4 units 230V, 50Hz: 8 units

#### Features:

- 144 zones can be controlled individually
- Black shell, no traces of screws
- Excellent, powerful and high output strobe effect
- The head and base are equipped with handles for easy carrying and transportation
- Can be spliced with each other or with THUNDER series lamps

# • Dimension/Weight:

503 x 183 x 318mm, 10.5kgs

19.8" x 7.2" x 12.5"in, 23.1lbs





# 3.Installation and splicing

The lamp should be fixed on the bracket with screws. Make sure that the installation is firm to prevent vibration and slipping during operation. Also make sure that the brackets for the fixtures are stable and can support more than 10 times the weight of the equipment. At the same time, when installing the equipment, use a safety rope that can support 12 times the weight of the product.

The equipment must be installed by professionals. The equipment should be installed in a place where the human body cannot be touched, and there will be no pedestrians passing by or sitting. The installation height of the lamp is between 0~30M.

Installation method of single adjustable angle lamp hanger:

Installation method of lamp hanger:





How to install the lamp bolt:

The assembly method between the two lamps:





: Installation method of lamp hanger (optional):







The splicing method of multiple lamps:

Warning: Up to 7 units can be spliced in the vertical direction





# 4.Description

## 4.1Control Panel



1. DISPLAY: To show the various menus and the selected function

#### 2. POWER IN(POWERCON Version):

To connect to supply power

#### 3. POWER OUT(POWERCON Version):

To connect to the next fixture

#### 4. Button:

| MENU   | To enter into move backward or leave the menu |
|--------|---|
| A UP   | To go backward to move up in the menu         |
| V DOWN | To go forward to move down in the menu        |
| ENTER  | To perform the desired functions              |

#### 5. DMX IN:

DMX512 link, use 3-pin XLR cable to link the unit and DMX controller (5-pin XLR is optional)

#### 6. DMX OUT:

DMX 512 operation, use 3-pin XLR cable to link the next units (5-pin XLR is optional)

#### 7. Ethernet interface: connect to the network.

#### 8. Ethernet interface: connect to the network.

# 5. How To Set The Unit

#### 5.1 Main Function

Turn on the unit, press the MENU button into menu mode, and press the UP/DOWN button until the required function is shown on the monitor. Select the function by the ENTER button. Use the UP/DOWN button to choose the submenu, press the ENTER button to store and automatically return to the last menu. Press the MENU button or let the unit idle One minuteto exit menu mode. The main functions are shown below:



#### **DMX Settings**

Select the MENU mode, select DMX Settings, press ENTER button to confirm, use UP/DOWN buttons to select: DMX Address, Channel Mode, DMX Last State, Network or Pixel settings.

#### **DMX Address**

Select the **DMX Address**, press the **ENTER** button to confirm, the current **DMX Address** will be shown on the display. Use **UP/DOWN** button to select address 001~512, press **ENTER** button to save. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

#### **Channel Mode**

Select the **Channel Mode**, press the **ENTER** button to confirm, The Current Channel Mode will be displayed on the display, use the **UP/DOWN** button to select: **6+ Channel**, **11+ Channel**, **12+ Channel**, **13A+ Channel**, **13B+ Channel**, **17+ Channel**, **21A+ Channel**, **22B+ Channel**, **29+ Channel**, **37+ Channel**, **41+ Channel or 53+ Channel**, press the **ENTER** button to save. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

#### **DMX Last State**

Select the **DMX Last State**, press the **ENTER** button to confirm. The current mode will be displayed on the display. Use the **UP/DOWN** buttons to select: standby, hold or manual, and press the **ENTER** button to save. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

**Standby:** When the DMX signal is disconnected, the device stops operating. **Hold:** When the DMX signal is disconnected, the device keeps running according to the last received DMX signal.

**Manual:** When the DMX signal is disconnected, the device runs in manual mode.

#### The internet

Select the **The internet** and press the **ENTER** button to confirm. The current mode will be displayed on the display. Use the **UP/DOWN** buttons to select: IP address or submask code. Select the IP address and press the **ENTER** button to confirm. The display will show **XXXX. XXX.XXX.XXX**, press the **MENU** button to exit. Select the sub-mask code, press the ENTER button to confirm, the display will show **XXXX.XXX.XXX**, press the **MENU** button to exit. Select the sub-mask code, press the **ENTER** button to exit. Press the MENU button to return to the previous menu or wait one minute to automatically exit the network mode

#### **Pixel settings**

Select the **pixel setting**, press **ENTER** button to confirm, use **UP/DOWN** button to select Ethernet setting, press ENTER button to confirm, use UP/DOWN button to select: Net.Sub.Uni.Add, **1.xxx.xxx.xxx** Or **2.xxx.xxx.xxx**, after selecting the desired mode, press the **ENTER** button to set and save. Press the **MENU** button to return, or wait one minute to return to the main menu.

#### **Device Settings**

Enter the **MENU** mode, select the **Device Settings**, press the **ENTER** button to confirm, and use the **UP/DOWN** buttons to select: **Dimming Curve**, **Dimming Speed** or **White Balance**.

#### **Dimming curve**

Select the **Dimming Curve** and press the **ENTER** button to confirm. Use the **UP/DOWN** button to select linear, square rate, inverse square rate or S curve. After selecting the desired mode, press the **ENTER** button to set and save. Press the **MENU** button to return, or wait one minute to return to the main menu.



Linearity: As the DMX value increases, the increase in light intensity tends to be linear

**Square Rate:** when the light intensity is controlled at a low value, the lines are finer, and at high values, the lines are thicker; inverse square rate: when the light intensity is controlled at a low value, the lines are thicker, and when the light intensity is controlled at a high value, the lines are thinner;

S-Curve: The line is finer when the light intensity is controlled at low and high values, and the line is thicker at the middle value.

#### **Dimming Speed**

Select the **Dimming speed** and press the **ENTER** button to confirm. The current mode will be displayed on the display. Use the **UP/DOWN** buttons to select: fast or smooth, press the **ENTER** button to save. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

#### White Balance:

Select White Balance, press the ENTER button to confirm, the current mode will be displayed on the display, and use the UP/DOWN buttons to select: Red, Green, Blue, White and press the ENTER button to save. Press the MENU button to return to the previous menu or wait one minute to automatically exit the menu mode.

**Display Setting** 

Enter the **MENU** mode, select the Display Settings, press the ENTER button to confirm, and use **UP/DOWN** to select: **Display Inversion, Temperature unit, Display Warning** or **Device Language**.

#### **Display Inversion**

Select the **Display Inversion**, press the **ENTER** button to confirm, the current mode will be displayed on the display, use the **UP/DOWN** button to select: **OFF** or **ON**, press the **ENTER** button to save. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

#### **Temperature Unit**

Select the **Temperature Unit**, press the **ENTER** button to confirm, the current mode will be displayed on the display, use the **UP/DOWN** button to select:  $^{\circ}$ C or  $^{\circ}$ F, press the **ENTER** button to save. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

#### **Show Warning**

Select **Show Warning**, press the **ENTER** button to confirm, the current mode will be displayed on the display, use the **UP/DOWN** button to select: **ON** or **OFF**, press the **ENTER** button to save. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

#### **Automatic Testing**

Select **Automatic Testing**, press **ENTER** button to confirm, the machine will automatically run the built-in program test. Press the **MENU** button to return to the previous menu or return to the menu mode after the test.

#### **Manual Mode**

Select the **Manual Mode** and press enter to confirm. The current channel will be displayed on the display. Use **up / down** button to select **red / Green / Blue / White** 

**/ brightness / duration / stroboscopic level for setting**, press enter button to confirm, then use **UP/DOWN** button to adjust channel value, press enter button to save, the machine will run according to channel value. Press the menu button to return to the previous menu or wait for one minute to exit the menu mode automatically.

(after exiting the manual test menu, all channel values will become zero)

#### **Device Information**

Enter the **MENU** mode, select **Device Information**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select: **Use time, LED Use Hours, Temperature, Firmware Version** or **Error Message.** 

#### **Usage Time**

Select the **Usage Time**, press the **ENTER** button to confirm, the lamp running time will be displayed on the display, and press the **MENU** button to exit.

#### **LED Usage Time**

Select **LED Usage Time**, press **ENTER** Button to Confirm, Use **UP/DOWN** button to select: **LED Total Hours, LED ON Time** or **LED Hour Reset.** Select the total number of

LED Total Hours, press the ENTER button to confirm, the total number of LED hours will be displayed on the screen, press the MENU button to exit. Select the LED ON Time, press the ENTER button to confirm, the LED on time will be displayed on the screen, press the MENU button to exit. Select LED Hour Reset, press ENTER button to confirm, use UP/DOWN button to set password 050 to reset LED time, press ENTER button to save, press MENU button to return to the previous menu or wait one minute to exit the menu automatically mode.

#### Temperature

Select **Temperature**, press **ENTER** button to confirm, the temperature of the device will be displayed on the screen, press **MENU** button to exit.

#### **Firmware version**

Select the **Firmware version**, press the **ENTER** button to confirm, the firmware version of the device will be displayed on the screen, press the **MENU** button to exit.

#### **RDM UID Select**

Select the **RDM UID Select**, press the **ENTER** button to confirm, **XXXXXX** on the display, press the MENU button to exit

#### **Error Message**

Select the Error Message, press the ENTER button to confirm, use the UP/DOWN button to select: Device Error or Reset Error Log, press the ENTER button to save. Select Reset error log, press the ENTER button to confirm, use the UP/DOWN button to select: No or Yes. Select Yes, press the ENTER button to confirm, use the UP/DOWN buttons to set the password 050, and press the ENTER button to confirm to reset the error log. Press the MENU button to return to the previous menu or wait one minute to automatically exit the menu mode.

#### **Special Function**

Enter **MENU** mode, select Special Function, press **ENTER** button to confirm, select: Restore Factory Settings

#### **Restore factory settings**

Select **Restore Factory Settings**, press the **ENTER** button to confirm, use the **UP/DOWN** buttons to select: **No** (keep the current settings) or **Yes** (restore the factory settings), once selected, press the **ENTER** button to save. Press the **MENU** button to exit.

#### **RDM FUNCTIONS**

Select the MANUFACTURER menu to display the manufacturer of the fixture.

Select the SOFTWARE VERSION menu and the program version number of the fixture will be displayed.

Select the DMX START ADDRESS menu to change the DMX 512 address (001-512).

Select the DEVICE MODEL DESCRIPTION menu to display the model of the fixture.

Select the DEVICE LABEL menu to change the model of the fixture.

Select the DMX PERSONALITY menu to set the channel mode of the fixture

(6/11/12/13A/13B/17/21A/21B/29/37/41/53 channel).

Select the DMX PERSONALITY DESCRIPTION menu to display the current channel mode of the fixture.

Select the DEVICE HOURS menu to display the running time of the fixture.

Select the RESET DEVICE menu, the WARM RESET/COLD RESET option will be displayed. When WARM RESET is selected, the fixture will start a warm reset, and exit when COLD RESET is selected.

#### 5.2Home Position Adjustment

Press the MENU button into menu mode, then press the ENTER button for about 3 seconds into offset mode to adjust the home position. Select the function by the ENTER button. Use the UP/DOWN button to choose the submenu, press the ENTER button to store and automatically return to the last menu. Press MENU button to exit.



#### <u>Red1-Red20</u>

Enter offset mode, Select one of the **Red1-Red20**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 1000, press the **ENTER** button to store. Press the **MENU** button to exit.

#### Green1-Green20

Enter offset mode, Select one of the **Green1-Green20**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 1000, press the **ENTER** button to store. Press the **MENU** button to exit.

#### **Blue1-Blue**20

Enter offset mode, Select one of the **Blue1-Green20**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 1000, press the **ENTER** button to store. Press the **MENU** button to exit.

#### Blue1-Blue20

Enter offset mode, Select one of the **Blue1-Green20**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 1000, press the **ENTER** button to store. Press the **MENU** button to exit.

## 6. Control By Universal DMX Controller

## 6.1 DMX512 Connection



1. At last unit, the DMX cable has to be terminated with a terminator. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.

2. Connect the unit together in a "daisy chain" by XLR plug cable from the output of the unit to the input of the next unit. The cable cannot be branched or split to a "Y" cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.

3. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units' power is disconnected.

4. Each lighting unit needs to have a DMX address to receive the data by the controller. The address number is between 1-512

5. The end of the DMX 512 system should be terminated to reduce signal errors.

6. 3 pin XLR connectors are more popular than 5 pins XLR.

3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin4, Pin5 not used.

#### 6.2 Address Setting

Press the MENU button to enter the menu mode, select the DMX setting, use the UP/DOWN button to select the DMX address, press the ENTER button to confirm, the current address will be displayed on the display, and then use the UP/DOWN button to select the address code (1-512), press the ENTER button to save. Press the MENU button to return to the previous menu or wait one minute to automatically exit the menu mode.

Please refer to the chart below to set the address codes of the first 4 lamps:

| Channels      | 灯具 1<br>地址码 | 灯具 <b>2</b><br>地址码 | 灯具 3<br>地址码 | 灯具 <b>4</b><br>地址码 |
|---------------|-------------|--------------------|-------------|--------------------|
| 6+ Channels   | 1           | 7                  | 13          | 19                 |
| 11+ Channels  | 1           | 12                 | 21          | 31                 |
| 12+ Channels  | 1           | 13                 | 25          | 37                 |
| 13A+ Channels | 1           | 14                 | 27          | 40                 |
| 13B+Channels  | 1           | 14                 | 27          | 40                 |
| 17+ Channels  | 1           | 18                 | 35          | 52                 |
| 21A+ Channels | 1           | 22                 | 43          | 64                 |
| 21B+ Channels | 1           | 22                 | 43          | 64                 |
| 29+ Channels  | 1           | 30                 | 59          | 88                 |
| 37+ Channels  | 1           | 38                 | 75          | 113                |
| 41+ Channels  | 1           | 42                 | 83          | 124                |

| 53+ Channels | 1 | 54 | 107 | 160 |
|--------------|---|----|-----|-----|
|--------------|---|----|-----|-----|

# 6.3 DMX512 Configuration

Please refer to below configurations to control the fixtures

#### Attentions:

- 1. The unit will maintain the last condition until reset if you cut-off the DMX signal.
- 2. For the channel Function, keep the value for about Five seconds, then the corresponding function will take into effect.

| Channel | DMX   | Function   |
|---------|-------|--|
| 1       | 0-255 | Red 0 →100%  |
| 2       | 0-255 | Green 0 →100%  |
| 3       | 0-255 | Blue 0 →100%   |
| 4       | 0-255 | White 0 →100%  |
| 5       | 0-255 | Brightness Fine-tuning 0 →100%   |
| 6       | 0-255 | Art-Net or DMX 0-127 machine controlled by Art-Net 128-255 machine controlled by DMX |

| Channel | DMX   | Function  |  |
|---------|-------|---|--|
| 1       | 0-255 | Red   | 0 →100%                                  |
| 2       | 0-255 | Red Fine-tuning                                       | 0 →100%                                  |
| 3       | 0-255 | Green   | 0 →100%                                  |
| 4       | 0-255 | Green Fine-tuning                                     | 0 →100%                                  |
| 5       | 0-255 | Blue  | 0 →100%                                  |
| 6       | 0-255 | Blue Fine-tuning                                      | 0 →100%                                  |
| 7       | 0-255 | White   | 0 →100%                                  |
| 8       | 0-255 | White Fine-tuning                                     | 0 →100%                                  |
| 9       | 0-255 | Brightness  | 0 →100%                                  |
| 10      | 0-255 | Brightness Fine-tuning                                | 0 →100%                                  |
| 11      | 0-255 | Art-Net or DMX 0-127 mag<br>128-255 machine controlle | chine controlled by Art-Net<br>ed by DMX |

| Channel | DMX     | Function  |         |
|---------|---------|-----------|---------|
| 1       | 0-255   | Red       | 0 →100% |
| 2       | 0-255   | Green     | 0 →100% |
| 3       | 0-255   | Blue      | 0 →100% |
| 4       | 0-255   | White     | 0 →100% |
|         | 0-7     | NO Effect |         |
|         | 8-14    | Color1    |         |
|         | 15-21   | Color2    |         |
|         | 22-28   | Color3    |         |
|         | 29-35   | Color4    |         |
|         | 36-42   | Color5    |         |
|         | 43-49   | Color6    |         |
|         | 50-56   | Color7    |         |
|         | 57-63   | Color8    |         |
|         | 64-70   | Color9    |         |
|         | 71-77   | Color10   |         |
|         | 78-84   | Color11   |         |
|         | 85-91   | Color12   |         |
|         | 92-98   | Color13   |         |
| 5       | 99-105  | Color14   |         |
| 0       | 106-112 | Color15   |         |
|         | 113-119 | Color16   |         |
|         | 120-126 | Color17   |         |
|         | 127-133 | Color18   |         |
|         | 134-140 | Color19   |         |
|         | 141-147 | Color20   |         |
|         | 148-154 | Color21   |         |
|         | 155-161 | Color22   |         |
|         | 162-168 | Color23   |         |
|         | 169-175 | Color24   |         |
|         | 176-182 | Color25   |         |
|         | 183-189 | Color26   |         |
|         | 190-196 | Color27   |         |
|         | 197-203 | Color28   |         |
|         | 204-210 | Color29   |         |
|         | 211-217 | Color30   |         |

| Channel | DMX      | Function                      |
|---------|----------|-------------------------------|
|         | 218-224  | Color31                       |
|         | 225-231  | Color32                       |
|         | 232-235  | Colors run in order 1–32 Slow |
|         | 236-239  | Colors run in order 1–32 In   |
|         | 240-243  | Colors run in order 1–32 Fast |
|         | 244-247  | Random colors 1-32 Slow       |
|         | 248-251  | Random colors 1-32 In         |
|         | 252-255  | Random colors 1-32 Fast       |
|         | 0        | No Effect                     |
|         | 001-004  | 8000                          |
|         | 005-009  | 7900                          |
|         | 010-013  | 7800                          |
|         | 014-018  | 7700                          |
|         | 019-022  | 7600                          |
|         | 023-027  | 7500                          |
|         | 028-031  | 7400                          |
|         | 032-036  | 7300                          |
|         | 037-040  | 7200                          |
|         | 041-045  | 7100                          |
| 6       | 046-049  | 7000                          |
|         | 050-054  | 6900                          |
|         | 055-058  | 6800                          |
|         | 059-063  | 6700                          |
|         | 064-067  | 6600                          |
|         | 068-072  | 6500                          |
|         | 073-076  | 6400                          |
|         | 077-081  | 6300                          |
|         | 082-085  | 6200                          |
|         | 086-090  | 6100                          |
|         | 091-094  | 6000                          |
|         | 095-099  | 5900                          |
|         | 100-103  | 5800                          |
|         | 104-108  | 5700                          |
|         | 109-112  | 5600                          |
|         | 113-117  | 5500                          |
|         | 118-0121 | 5400                          |
|         | 122-126  | 5300                          |
|         | 127-130  | 5200                          |
|         | 131-135  | 5100                          |

| Channel | DMX     | Function   |         |
|---------|---------|------------|---------|
|         | 136-139 | 5000       |         |
|         | 140-144 | 4900       |         |
|         | 145-148 | 4800       |         |
|         | 149-153 | 4700       |         |
|         | 154-157 | 4600       |         |
|         | 158-162 | 4500       |         |
|         | 163-166 | 4400       |         |
|         | 167-171 | 4300       |         |
|         | 172-175 | 4200       |         |
|         | 176-180 | 4100       |         |
|         | 181-184 | 4000       |         |
|         | 185-189 | 3900       |         |
|         | 190-193 | 3800       |         |
| 6       | 194-198 | 3700       |         |
|         | 199-202 | 3600       |         |
|         | 203-207 | 3500       |         |
|         | 208-211 | 3400       |         |
|         | 212-216 | 3300       |         |
|         | 217-220 | 3200       |         |
|         | 221-225 | 3100       |         |
|         | 226-229 | 3000       |         |
|         | 230-234 | 2900       |         |
|         | 235-238 | 2800       |         |
|         | 239-243 | 2700       |         |
|         | 244-247 | 2600       |         |
|         | 248-255 | 2500       |         |
| 7       | 0-255   | Brightness | 0 →100% |
| 8       | 0-255   | Sustained  | 0 →100% |
| 9       | 0-255   | Rate       | 0 →100% |

| Channel | DMX     | Function   |  |  |
|---------|---------|--|--|--|
|         |         | Running method   |  |  |
|         | 0-7     | Running method1  |  |  |
|         | 8-14    | Running method2  |  |  |
|         | 15-21   | Running method3  |  |  |
|         | 22-28   | Running method4  |  |  |
|         | 29-35   | Running method5  |  |  |
|         | 36-42   | Running method6  |  |  |
|         | 43-49   | Running method7  |  |  |
|         | 50-56   | Running method8  |  |  |
|         | 57-63   | Running method9  |  |  |
|         | 64-70   | Running method10   |  |  |
|         | 71-77   | Running method11   |  |  |
|         | 78-84   | Running method12   |  |  |
|         | 85-91   | Running method13   |  |  |
|         | 92-98   | Running method14   |  |  |
|         | 99-105  | Running method15   |  |  |
|         | 106-112 | Running method16   |  |  |
|         | 113-119 | Running method17   |  |  |
|         | 120-126 | Running method18   |  |  |
| 10      | 127-133 | Running method19   |  |  |
|         | 134-140 | Running method20   |  |  |
|         | 141-147 | Running method21   |  |  |
|         | 148-154 | Running method22   |  |  |
|         | 155-161 | Running method23   |  |  |
|         | 162-168 | Running method24   |  |  |
|         | 169-175 | Running method25   |  |  |
|         | 176-182 | Running method26   |  |  |
|         | 183-189 | Running method27   |  |  |
|         | 190-196 | Running method28   |  |  |
|         | 197-203 | Running method29   |  |  |
|         | 204-210 | Running method30   |  |  |
| ")<br>  | 211-217 | Running method31   |  |  |
| -       | 218-224 | Running method32   |  |  |
| -       | 225-231 | Running method33   |  |  |
| 44      | 0-127   | Running speed Slow to fast Forward Direction $0 \rightarrow 100\%$                   |  |  |
|         | 128-255 | Running speed Slow to fast Forward Direction $0 \rightarrow 100\%$                   |  |  |
| 12      | 0-255   | Art-Net or DMX 0-127 machine controlled by Art-Net 128-255 machine controlled by DMX |  |  |

| Channel | DMX     | Funct  | ion          |
|---------|---------|--|--------------|
| 1       | 0-255   | Red1   | 0 →100%      |
| 2       | 0-255   | Green1   | 0 →100%      |
| 3       | 0-255   | Blue1  | 0 →100%      |
| 4       | 0-255   | White1   | 0 →100%      |
| 5       | 0-255   | Red2   | 0 →100%      |
| 6       | 0-255   | Green2   | 0 →100%      |
| 7       | 0-255   | Blue2  | 0 →100%      |
| 8       | 0-255   | White2   | 0 →100%      |
| 9       | 0-255   | Luminance  | 0 →100%      |
| 10      | 0-255   | Sustained  | 0 →100%      |
| 11      | 0-255   | Rate   | 0 →100%      |
|         | 0-5     | No Effect  |              |
|         | 6-50    | Open Fast And  | Close Slowly |
| 12      | 51-100  | Fast 0ff And Slo   | ow On        |
|         | 151-200 | Lighting   |              |
|         | 201-255 | Random Strobe  |              |
| 13      | 0-255   | Art-Net or DMX 0-127 machine controlled by Art-Net 128-255 machine controlled by DMX |              |

| Channel | DMX     | Function   |              |
|---------|---------|--|--------------|
| 1       | 0-255   | Red1   | 0 →100%      |
| 2       | 0-255   | Green1   | 0 →100%      |
| 3       | 0-255   | Blue1  | 0 →100%      |
| 4       | 0-255   | White1   | 0 →100%      |
| 5       | 0-255   | Red2   | 0 →100%      |
| 6       | 0-255   | Green2   | 0 →100%      |
| 7       | 0-255   | Blue2  | 0 →100%      |
| 8       | 0-255   | White2   | 0 →100%      |
| 9       | 0-255   | Luminance  | 0 →100%      |
| 10      | 0-255   | Sustained  | 0 →100%      |
| 11      | 0-255   | Rate   | 0 →100%      |
|         | 0-5     | No Effect  |              |
|         | 6-50    | Open Fast And  | Close Slowly |
| 12      | 51-100  | Fast 0ff And Slo   | ow 0n        |
|         | 151-200 | Lighting   |              |
|         | 201-255 | Random Strobe  |              |
| 13      | 0-255   | Art-Net or DMX 0-127 machine controlled by Art-Net 128-255 machine controlled by DMX |              |

| Channel | DMX     | Funct   | ion     |
|---------|---------|---|---------|
| 1       | 0-255   | Red1  | 0 →100% |
| 2       | 0-255   | Green1  | 0 →100% |
| 3       | 0-255   | Blue1   | 0 →100% |
| 4       | 0-255   | White1  | 0 →100% |
| 5       | 0-255   | Red2  | 0 →100% |
| 6       | 0-255   | Green2  | 0 →100% |
| 7       | 0-255   | Blue2   | 0 →100% |
| 8       | 0-255   | White2  | 0 →100% |
| 9       | 0-255   | Red2  | 0 →100% |
| 10      | 0-255   | Green2  | 0 →100% |
| 11      | 0-255   | Blue2   | 0 →100% |
| 12      | 0-255   | White2  | 0 →100% |
| 13      | 0-255   | Luminance   | 0 →100% |
| 14      | 0-255   | Sustained   | 0 →100% |
| 15      | 0-255   | Rate  | 0 →100% |
|         | 0-5     | No Effect   |         |
|         | 6-50    | Open Fast And Close Slowly  |         |
| 16      | 51-100  | Fast 0ff And Slow 0n  |         |
|         | 151-200 | Lighting  |         |
|         | 201-255 | Random Strobe   |         |
| 17      | 0-255   | Art-Net or DMX 0-127 machine controlled by Art-Net<br>128-255 machine controlled by DMX |         |

| Channel  | DMX     | Funct  | ion     |
|----------|---------|--|---------|
| 1        | 0-255   | Red1   | 0 →100% |
| 2        | 0-255   | Green1   | 0 →100% |
| 3        | 0-255   | Blue1  | 0 →100% |
| 4        | 0-255   | White1   | 0 →100% |
| 5        | 0-255   | Red2   | 0 →100% |
| 6        | 0-255   | Green2   | 0 →100% |
| 7        | 0-255   | Blue2  | 0 →100% |
| 8        | 0-255   | White2   | 0 →100% |
| 9        | 0-255   | Red2   | 0 →100% |
| 10       | 0-255   | Green2   | 0 →100% |
| 11       | 0-255   | Blue2  | 0 →100% |
| 12       | 0-255   | White2   | 0 →100% |
| 13       | 0-255   | Red3   | 0 →100% |
| 14       | 0-255   | Green3   | 0 →100% |
| 15       | 0-255   | Blue3  | 0 →100% |
| 16       | 0-255   | White3   | 0 →100% |
| 17       | 0-255   | Luminance  | 0 →100% |
| 18       | 0-255   | Sustained  | 0 →100% |
| 19       | 0-255   | Rate   | 0 →100% |
|          | 0-5     | No Effect  | 0 →100% |
| 10024004 | 6-50    | Open Fast And Close Slowly   |         |
| 20       | 51-100  | Fast 0ff And Slow 0n   |         |
|          | 151-200 | Lighting   |         |
|          | 201-255 | Random Strobe  |         |
| 21       | 0-255   | Art-Net or DMX 0-127 machine controlled by Art-Net 128-255 machine controlled by DMX |         |

| Channel | DMX     | Funct                                      | ion  |  |  |
|---------|---------|--|--|--|--|
| 1       | 0-255   | Red1                                       | 0 →100%  |  |  |
| 2       | 0-255   | Green1                                     | 0 →100%  |  |  |
| 3       | 0-255   | Blue1                                      | 0 →100%  |  |  |
| 4       | 0-255   | White1                                     | 0 →100%  |  |  |
| 5       | 0-255   | Red2                                       | 0 →100%  |  |  |
| 6       | 0-255   | Green2                                     | 0 →100%  |  |  |
| 7       | 0-255   | Blue2                                      | 0 →100%  |  |  |
| 8       | 0-255   | White2                                     | 0 →100%  |  |  |
| 9       | 0-255   | Red2                                       | 0 →100%  |  |  |
| 10      | 0-255   | Green2                                     | 0 →100%  |  |  |
| 11      | 0-255   | Blue2                                      | 0 →100%  |  |  |
| 12      | 0-255   | White2                                     | 0 →100%  |  |  |
| 13      | 0-255   | Red3                                       | 0 →100%  |  |  |
| 14      | 0-255   | Green3                                     | 0 →100%  |  |  |
| 15      | 0-255   | Blue3                                      | 0 →100%  |  |  |
| 16      | 0-255   | White3                                     | 0 →100%  |  |  |
| 17      | 0-255   | Luminance                                  | 0 →100%  |  |  |
| 18      | 0-255   | Sustained                                  | 0 →100%  |  |  |
| 19      | 0-255   | Rate                                       | 0 →100%  |  |  |
|         | 0-5     | No Effect                                  | 0 →100%  |  |  |
|         | 6-50    | Open Fast And Close Slowly                 |  |  |  |
| 20      | 51-100  | Fast 0ff And Slow 0n                       |  |  |  |
|         | 151-200 | Lighting                                   |  |  |  |
|         | 201-255 | Random Strobe                              | )  |  |  |
| 21      | 0-255   | Art-Net or DMX 0-12<br>128-255 machine cor | Art-Net or DMX 0-127 machine controlled by Art-Net 128-255 machine controlled by DMX |  |  |

| Channel | DMX     | Funct   | ion            |  |
|---------|---------|---|----------------|--|
| 1       | 0-255   | Red1  | 0 →100%        |  |
| 2       | 0-255   | Green1  | 0 →100%        |  |
| 3       | 0-255   | Blue1   | 0 →100%        |  |
| 4       | 0-255   | White1  | 0 →100%        |  |
| 5       | 0-255   | Red2  | 0 →100%        |  |
| 6       | 0-255   | Green?  | 0 →100%        |  |
| 7       | 0-255   | Blue2   | 0 →100%        |  |
| 8       | 0-255   | W/hite2   | 0 →100%        |  |
| 9       | 0-255   | Red3  | 0 →100%        |  |
| 10      | 0-255   | Green3  | 0 →100%        |  |
| 11      | 0-255   | Blue3   | 0 →100%        |  |
| 12      | 0-255   | White3  | 0 →100%        |  |
| 13      | 0-255   | Red4  | 0 →100%        |  |
| 14      | 0-255   | Green4  | 0 →100%        |  |
| 15      | 0-255   | Blue4   | 0 →100%        |  |
| 16      | 0-255   | White4  | 0 →100%        |  |
| 17      | 0-255   | Red5  | 0 →100%        |  |
| 18      | 0-255   | Green5  | 0 →100%        |  |
| 19      | 0-255   | Blue5   | 0 →100%        |  |
| 20      | 0-255   | White5  | 0 →100%        |  |
| 21      | 0-255   | Red6  | 0 →100%        |  |
| 22      | 0-255   | Green6  | 0 →100%        |  |
| 23      | 0-255   | Blue6   | 0 →100%        |  |
| 24      | 0-255   | White6  | 0 →100%        |  |
| 25      | 0-255   | Red7  | 0 →100%        |  |
| 26      | 0-255   | Green7  | 0 →100%        |  |
| 27      | 0-255   | Blue7   | 0 →100%        |  |
| 28      | 0-255   | White7  | 0 →100%        |  |
| 29      | 0-255   | Red8  | 0 →100%        |  |
| 30      | 0-255   | Green8  | 0 →100%        |  |
| 31      | 0-255   | Blue8   | 0 →100%        |  |
| 32      | 0-255   | White8  | 0 →100%        |  |
| 33      | 0-255   | Luminance   | 0 →100%        |  |
| 34      | 0-255   | Sustained   | 0 →100%        |  |
| 35      | 0-255   | Rate  | 0 →100%        |  |
|         | 0-5     | No Effect   | 0 →100%        |  |
|         | 6-50    | Open Fast And   | d Close Slowly |  |
| 36      | 51-100  | Fast Off And S  | ilow On        |  |
|         | 151-200 | Liahtina  |                |  |
|         | 201-255 | Random Strobe   |                |  |
| 37      | 0-255   | Art-Net or DMX 0-127 machine controlled by Art-Net<br>128-255 machine controlled by DMX |                |  |

| Channel | DMX     | Function                          |                               |  |
|---------|---------|-----------------------------------|-------------------------------|--|
| 1       | 0-255   | Red1                              | 0 →100%                       |  |
| 2       | 0-255   | Green1                            | 0 →100%                       |  |
| 3       | 0-255   | Blue1                             | 0 →100%                       |  |
| 4       | 0-255   | White1                            | 0 →100%                       |  |
| 5       | 0-255   | Red2                              | 0 →100%                       |  |
| 6       | 0-255   | Green2                            | 0 →100%                       |  |
| 7       | 0-255   | Blue2                             | 0 →100%                       |  |
| 8       | 0-255   | White2                            | 0 →100%                       |  |
| 9       | 0-255   | Red3                              | 0 →100%                       |  |
| 10      | 0-255   | Green3                            | 0 →100%                       |  |
| 11      | 0-255   | Blue3                             | 0 →100%                       |  |
| 12      | 0-255   | White3                            | 0 →100%                       |  |
| 13      | 0-255   | Red4                              | 0 →100%                       |  |
| 14      | 0-255   | Green4                            | 0 →100%                       |  |
| 15      | 0-255   | Blue4                             | 0 →100%                       |  |
| 16      | 0-255   | White4                            | 0 →100%                       |  |
| 17      | 0-255   | Red5                              | 0 →100%                       |  |
| 18      | 0-255   | Green5                            | 0 →100%                       |  |
| 19      | 0-255   | Blue5                             | 0 →100%                       |  |
| 20      | 0-255   | White5                            | 0 →100%                       |  |
| 21      | 0-255   | Red6                              | 0 →100%                       |  |
| 22      | 0-255   | Green6                            | 0 →100%                       |  |
| 23      | 0-255   | Blue6                             | 0 →100%                       |  |
| 24      | 0-255   | White6                            | 0 →100%                       |  |
| 25      | 0-255   | Red7                              | 0 →100%                       |  |
| 26      | 0-255   | Green7                            | 0 →100%                       |  |
| 27      | 0-255   | Blue7                             | 0 →100%                       |  |
| 28      | 0-255   | White7                            | 0 →100%                       |  |
| 29      | 0-255   | Red8                              | 0 →100%                       |  |
| 30      | 0-255   | Green8                            | 0 →100%                       |  |
| 31      | 0-255   | Blue8                             | 0 →100%                       |  |
| 32      | 0-255   | White8                            | 0 →100%                       |  |
| 33      | 0-255   | Red9                              | 0 →100%                       |  |
| 34      | 0-255   | Green9                            | 0 →100%                       |  |
| 35      | 0-255   | Blue9                             | 0 →100%                       |  |
| 36      | 0-255   | White9                            | 0 →100%                       |  |
| 37      | 0-255   | Luminance                         | 0 →100%                       |  |
| 38      | 0-255   | Sustained                         | 0 →100%                       |  |
| 39      | 0-255   | Rate                              | 0 →100%                       |  |
|         | 0-5     | No Effect                         | 0 →100%                       |  |
| 1       | 6-50    | Open Fast And                     | Close Slowly                  |  |
| 40      | 51-100  | East Off And S                    |                               |  |
|         | 151-200 | Lighting                          |                               |  |
|         | 201-255 | Lighting<br>Bandom Strobe         |                               |  |
| 41      | 0-255   | Art-Net or DMX 0-127              | machine controlled by Art-Net |  |
| 1       | 0-200   | 128-255 machine controlled by DMX |                               |  |

| Channel | DMX   | Funct   | ion                   |
|---------|-------|---------|-----------------------|
| 1       | 0-255 | Red1    | 0 →100%               |
| 2       | 0-255 | Green1  | 0 →100%               |
| 3       | 0-255 | Blue1   | 0 →100%               |
| 4       | 0-255 | White1  | 0 →100%               |
| 5       | 0-255 | Red2    | 0 →100%               |
| 6       | 0-255 | Green2  | 0 →100%               |
| 7       | 0-255 | Blue2   | 0 →100%               |
| 8       | 0-255 | White2  | 0 →100%               |
| 9       | 0-255 | Red3    | 0 →100%               |
| 10      | 0-255 | Green3  | 0 →100%               |
| 11      | 0-255 | Blue3   | 0 →100%               |
| 12      | 0-255 | White3  | 0 →100%               |
| 13      | 0-255 | Red4    | 0 →100%               |
| 14      | 0-255 | Green4  | 0 ->100%              |
| 15      | 0-255 | Blue4   | 0 →100%               |
| 16      | 0-255 | White4  | 0 →100%               |
| 17      | 0-255 | Red5    | 0 →100%               |
| 18      | 0-255 | Green5  | 0 →100%               |
| 19      | 0-255 | Blue5   | 0 →100%               |
| 20      | 0-255 | White5  | 0 →100%               |
| 21      | 0-255 | Red6    | 0 →100%               |
| 22      | 0-255 | Green6  | 0 →100%               |
| 23      | 0-255 | Blue6   | 0 →100%               |
| 24      | 0-255 | White6  | 0 -> 100%             |
| 25      | 0-255 | Red7    | 0 ->100%              |
| 26      | 0-255 | Green7  | 0 -+100%              |
| 27      | 0-255 | Blue7   | 0                     |
| 28      | 0-255 | White7  | 0 →100%               |
| 20      | 0-255 | Red8    | 0                     |
| 29      | 0.255 | Groop   | 0 > 100%              |
| 31      | 0.255 | Blue    | 0 - 100%              |
| 30      | 0-255 | Diueo   | $0 \rightarrow 100\%$ |
| 52      | 0-255 | VVIILeo | 0 100%                |
| 33      | 0-255 | Reas    | 0 →100%               |
| 34      | 0-255 | Green9  | 0 →100%               |
| 35      | 0-255 | Blue9   | 0 →100%<br>0 →100%    |
| 36      | 0-255 | White9  | 0 →100%               |
| 37      | 0-255 | Red10   | 0 →100%               |
| 38      | 0-255 | Green10 | 0 →100%               |
| 39      | 0-255 | Blue10  | 0 →100%               |
| 40      | 0-255 | White10 | 0 →100%               |
| 41      | 0-255 | Red11   | 0 →100%               |

| Channel | DMX     | Function                                    |   |
|---------|---------|---|---|
| 42      | 0-255   | Green11                                     | 0 →100%   |
| 43      | 0-255   | Blue11                                      | 0 →100%   |
| 44      | 0-255   | White11                                     | 0 →100%   |
| 45      | 0-255   | Red11                                       | 0 →100%   |
| 46      | 0-255   | Green11                                     | 0 →100%   |
| 47      | 0-255   | Blue11                                      | 0 →100%   |
| 48      | 0-255   | White11                                     | 0 →100%   |
| 49      | 0-255   | Luminance                                   | 0 →100%   |
| 50      | 0-255   | Sustained                                   | 0 →100%   |
| 51      | 0-255   | Rate  | 0 →100%   |
|         | 0-5     | No Effect                                   | 0 →100%   |
|         | 6-50    | Open Fast And                               | Close Slowly                                      |
| 52      | 51-100  | Fast Off And Slow On                        |   |
|         | 151-200 | Liahtina                                    |   |
|         | 201-255 | Random Strob                                | e   |
| 53      | 0-255   | Art-Net or DMX 0-127<br>128-255 machine con | 7 machine controlled by Art-Net<br>trolled by DMX |



| Regiona    | al Block | Channel | DMX     | Function                              |
|------------|----------|---------|---------|---------------------------------------|
|            |          | 1       | 0 - 255 | 1Block R Intensity 0 ▶100%            |
|            | 1.5      | 2       | 0 - 255 | 1Block G Intensity 0 100%             |
|            | ТВІОСК   | 3       | 0 - 255 | 1Block B Intensity 0 →100%            |
|            |          | 4       | 0 - 255 | 1Block WIntensity 0 →100%             |
|            |          | 5       | 0 - 255 | 2Block R Intensity 0 →100%            |
|            |          | 6       | 0 - 255 | 2Block G Intensity 0 →100%            |
|            | 2 Block  | 7       | 0 - 255 | 2Block B Intensity 0 →100%            |
|            |          | 8       | 0 - 255 | 2Block W Intensity 0 →100%            |
|            |          | 9       | 0 - 255 | 3Block R Intensity 0 →100%            |
|            | 201      | 10      | 0 - 255 | 3Block G Intensity 0 →100%            |
|            | 3 Block  | 11      | 0 - 255 | 3Block B Intensity 0 →100%            |
|            |          | 12      | 0 - 255 | 3Block WIntensity 0 →100%             |
|            |          | 13      | 0 - 255 | 4Block R Intensity 0 →100%            |
|            |          | 14      | 0 - 255 | 4Block G Intensity 0 →100%            |
|            | 4Block   | 15      | 0 - 255 | 4Block B Intensity 0 →100%            |
|            |          | 16      | 0 - 255 | 4Block WIntensity 0 →100%             |
| 8          |          | 17      | 0 - 255 | 5Block R Intensity 0 →100%            |
|            | 5Block   | 18      | 0 - 255 | 5Block G Intensity 0 →100%            |
|            |          | 19      | 0 - 255 | 5Block B Intensity 0 →100%            |
| Designal   |          | 20      | 0 - 255 | 5Block WIntensity 0 →100%             |
| Regional I |          | 21      | 0 - 255 | 6Block R Intensity 0 →100%            |
|            | 6Block   | 22      | 0 - 255 | 6Block G Intensity 0 →100%            |
|            |          | 23      | 0 - 255 | 6Block B Intensity <sub>0 →100%</sub> |
|            |          | 24      | 0 - 255 | 6Block W Intensity 0 →100%            |
|            |          | 25      | 0 - 255 | 7Block R Intensity 0 →100%            |
|            | 7Block   | 26      | 0 - 255 | 7Block G Intensity 0 →100%            |
|            |          | 27      | 0 - 255 | 7Block BIntensity 0 →100%             |
|            |          | 28      | 0 - 255 | 7Block WIntensity 0 →100%             |
|            |          | 29      | 0 - 255 | 8Block R Intensity 0 →100%            |
|            | 0.51     | 30      | 0 - 255 | 8Block G Intensity 0 →100%            |
|            | OBIOCK   | 31      | 0 - 255 | 8Block B Intensity 0 →100%            |
|            |          | 32      | 0 - 255 | 8Block WIntensity 0 →100%             |
|            |          | 33      | 0 - 255 | 9Block R Intensity 0 →100%            |
|            | 9 Block  | 34      | 0 - 255 | 9Block G Intensity 0 →100%            |
|            | DICON    | 35      | 0 - 255 | 9Block B Intensity 0 →100%            |
|            |          | 36      | 0 - 255 | 9Block W Intensity 0 →100%            |
|            |          | 37      | 0 - 255 | 10BlockR Intensity 0 →100%            |
|            |          | 38      | 0 - 255 | 10BlockG Intensity 0 →100%            |
|            | 10Block  | 39      | 0 - 255 | 10BlockB Intensity 0 →100%            |
|            |          | 40      | 0 - 255 | 10BlockB Intensity 0 →100%            |

| Regiona   | Block     | Channel | DMX     | Function   |
|-----------|-----------|---------|---------|--|
|           | 1100-0    | 41      | 0 - 255 | 11 Block R Intensity 0 →100%                       |
|           |           | 42      | 0 - 255 | 11 Block G Intensity 0 →100%                       |
|           | TENOCK    | 43      | 0 - 255 | 11 Block BIntensity 0 →100%                        |
|           |           | 44      | 0 - 255 | 11 Block W Intensity 0 →100%                       |
|           |           | 45      | 0 - 255 | 12 Block R Intensity 0 →100%                       |
|           | 10        | 46      | 0 - 255 | 12 Block G Intensity 0 → 100%                      |
|           | 1 2 Block | 47      | 0 - 255 | 12 Block B Intensity 0 → 100%                      |
|           |           | 48      | 0 - 255 | 12 Block W Intensity 0 →100%                       |
|           |           | 49      | 0 - 255 | 13 Block R Intensity 0 →100%                       |
|           | 12 Dia ak | 50      | 0 - 255 | 13 Block G Intensity 0 →100%                       |
|           | ISBIOCK   | 51      | 0 - 255 | 13 Block B Intensity 0 →100%                       |
|           |           | 52      | 0 - 255 | 13 Block W Intensity 0 →100%                       |
|           |           | 53      | 0 - 255 | 14 Block R Intensity 0 →100%                       |
|           |           | 54      | 0 - 255 | 14 Block G Intensity 0 →100%                       |
|           | 14Block   | 55      | 0 - 255 | 14 Block B Intensity 0 →100%                       |
|           |           | 56      | 0 - 255 | 14 Block W Intensity 0 →100%                       |
|           |           | 57      | 0 - 255 | 15 Block R Intensity 0 →100%                       |
|           | 15Block   | 58      | 0 - 255 | 15 Block G Intensity 0 →100%                       |
|           |           | 59      | 0 - 255 | 15 Block BIntensity 0 →100%                        |
| Regional1 |           | 60      | 0 - 255 | 15 Block WIntensity 0 →100%                        |
|           |           | 61      | 0 - 255 | 16 Block R Intensity 0 →100%                       |
|           |           | 62      | 0 - 255 | 16 Block G Intensity $_0 \rightarrow 100\%$        |
|           | 16Block   | 63      | 0 - 255 | 16 Block B Intensity $_0 \rightarrow 100\%$        |
|           |           | 64      | 0 - 255 | 16 Block W Intensity 0 →100%                       |
|           |           | 65      | 0 - 255 | 17 <sup>Block</sup> R Intensity <sub>0 →100%</sub> |
|           | 17Block   | 66      | 0 - 255 | 17 Block G Intensity 0 →100%                       |
|           |           | 67      | 0 - 255 | 17 Block BIntensity <sub>0 →100%</sub>             |
|           |           | 68      | 0 - 255 | 17 Block WIntensity <sub>0 →100%</sub>             |
|           |           | 69      | 0 - 255 | 18 Block R Intensity <sub>0 →100%</sub>            |
|           | 18Block   | 70      | 0 - 255 | 18 Block G Intensity 0 →100%                       |
|           | 10 Block  | 71      | 0 - 255 | 18 Block BIntensity <sub>0 →100%</sub>             |
|           |           | 72      | 0 - 255 | 18 Block WIntensity 0 →100%                        |
|           |           | 73      | 0 - 255 | 19 Block R Intensity 0 →100%                       |
|           | 19Block   | 74      | 0 - 255 | 19 Block G Intensity $_0 \rightarrow 100\%$        |
|           | . / Diook | 75      | 0 - 255 | 19 Block B Intensity 0 →100%                       |
|           |           | 76      | 0 - 255 | 19 Block W Intensity 0 →100%                       |
|           |           | 77      | 0 - 255 | 20 Block R Intensity 0 → 100%                      |
|           |           | 78      | 0 - 255 | 20 Block G Intensity 0 → 100%                      |
|           | 20Block   | 79      | 0 - 255 | 20 Block B Intensity 0 →100%                       |
|           |           | 80      | 0 - 255 | 20 Block W Intensity 0 →100%                       |

| Regiona   | Block     | Channel | DMX     | Function   |
|-----------|-----------|---------|---------|--|
|           |           | 81      | 0 - 255 | 21 Block R Intensity <sup>0</sup> →100%            |
|           | 21 Block  | 82      | 0 - 255 | 21 Block G Intensity 0 →100%                       |
|           | ZIDIUCK   | 83      | 0 - 255 | 21 Block B Intensity 0 →100%                       |
|           |           | 84      | 0 - 255 | 21 Block W Intensity 0 →100%                       |
|           |           | 85      | 0 - 255 | 22Block R Intensity 0 →100%                        |
|           | 2201-1    | 86      | 0 - 255 | 22Block G Intensity $0 \rightarrow 100\%$          |
|           | ZZBIOCK   | 87      | 0 - 255 | 22Block B Intensity 0 → 100%                       |
|           |           | 88      | 0 - 255 | 22 Block W Intensity 0 →100%                       |
|           |           | 89      | 0 - 255 | 23Block R Intensity 0 →100%                        |
|           | 23 Block  | 90      | 0 - 255 | 23Block G Intensity 0 →100%                        |
|           | ZUDIUCK   | 91      | 0 - 255 | 23Block BIntensity 0 →100%                         |
|           |           | 92      | 0 - 255 | 23Block W Intensity 0 →100%                        |
|           |           | 93      | 0 - 255 | 24 <sup>Block</sup> R Intensity 0 →100%            |
|           | 2454      | 94      | 0 - 255 | 24 <sup>Block</sup> G Intensity 0 →100%            |
|           | Z4Block   | 95      | 0 - 255 | 24Block BIntensity 0 →100%                         |
|           |           | 96      | 0 - 255 | 24Block W Intensity 0 →100%                        |
|           |           | 97      | 0 - 255 | 25 Block R Intensity 0 →100%                       |
| Regional1 | 25Block   | 98      | 0 - 255 | 25 Block G Intensity 0 →100%                       |
|           |           | 99      | 0 - 255 | 25 Block BIntensity 0 →100%                        |
|           |           | 100     | 0 - 255 | 25 <sup>Block</sup> W Intensity <sup>0</sup> →100% |
|           |           | 101     | 0 - 255 | 26 <sup>Block</sup> R Intensity 0 →100%            |
|           |           | 102     | 0 - 255 | 26 <sup>Block</sup> G Intensity 0 →100%            |
|           | 26Block   | 103     | 0 - 255 | 26 <sup>Block</sup> B Intensity 0 →100%            |
|           |           | 104     | 0 - 255 | 26 <sup>Block</sup> W Intensity 0 →100%            |
|           |           | 105     | 0 - 255 | 27 Block R Intensity 0 →100%                       |
|           | 27Block   | 106     | 0 - 255 | 27 Block G Intensity 0 →100%                       |
|           |           | 107     | 0 - 255 | 27 Block BIntensity 0 →100%                        |
|           |           | 108     | 0 - 255 | 27 Block W Intensity 0 →100%                       |
|           |           | 109     | 0 - 255 | 28 <sup>Block</sup> R Intensity <sub>0 →100%</sub> |
|           | 28Block   | 110     | 0 - 255 | 28 Block G Intensity 0 →100%                       |
|           | ZOBIOCK   | 111     | 0 - 255 | 28 Block BIntensity 0 →100%                        |
|           |           | 112     | 0 - 255 | 28 Block W Intensity <sub>0 →100%</sub>            |
|           |           | 113     | 0 - 255 | 29 Block R Intensity 0 →100%                       |
|           | 29 Block  | 114     | 0 - 255 | 29 Block G Intensity 0 →100%                       |
|           | 2 / DIUCK | 115     | 0 - 255 | 29 Block B Intensity 0 →100%                       |
|           |           | 116     | 0 - 255 | 29 Block W Intensity 0 →100%                       |
|           |           | 117     | 0 - 255 | 30 Block R Intensity 0 →100%                       |
|           |           | 118     | 0 - 255 | 30 Block G Intensity 0 →100%                       |
|           | 30Block   | 119     | 0 - 255 | 30 Block B Intensity <sup>0</sup> →100%            |
|           |           | 120     | 0 - 255 | 30 Block W Intensity <sup>0</sup> →100%            |

| Regiona   | l Block   | Channel | DMX     | Function   |
|-----------|-----------|---------|---------|--|
|           |           | 121     | 0 - 255 | 31 Block R Intensity 0 →100%                       |
|           | 31 Block  | 122     | 0 - 255 | 31 Block G Intensity 0 →100%                       |
|           | S I BIOCK | 123     | 0 - 255 | 31 Block B Intensity 0 →100%                       |
|           |           | 124     | 0 - 255 | 31 Block W Intensity 0 →100%                       |
|           |           | 125     | 0 - 255 | 32 Block R Intensity 0 →100%                       |
|           | 22-       | 126     | 0 - 255 | 32 Block G Intensity 0 → 100%                      |
|           | 3 Z Block | 127     | 0 - 255 | 32 Block B Intensity 0 → 100%                      |
|           |           | 128     | 0 - 255 | 32 Block W Intensity 0 →100%                       |
|           |           | 129     | 0 - 255 | 33 Block R Intensity <sub>0 →100%</sub>            |
|           | 22 Plank  | 130     | 0 - 255 | 33 Block G Intensity 0 →100%                       |
|           | 3 3 BIOCK | 131     | 0 - 255 | 33 Block B Intensity 0 →100%                       |
|           |           | 132     | 0 - 255 | 33 Block W Intensity 0 →100%                       |
|           |           | 133     | 0 - 255 | 34 Block R Intensity <sub>0 →100%</sub>            |
|           |           | 134     | 0 - 255 | 34 Block G Intensity 0 →100%                       |
|           | 34Block   | 135     | 0 - 255 | 34 Block B Intensity 0 →100%                       |
|           |           | 136     | 0 - 255 | 34 Block W Intensity 0 →100%                       |
|           |           | 137     | 0 - 255 | 35 Block R Intensity 0 →100%                       |
|           | 35Block   | 138     | 0 - 255 | 35 Block G Intensity 0 →100%                       |
|           |           | 139     | 0 - 255 | 35 Block B Intensity 0 →100%                       |
| Regional1 |           | 140     | 0 - 255 | 35 Block W Intensity 0 →100%                       |
|           |           | 141     | 0 - 255 | 36 Block R Intensity 0 →100%                       |
|           | 36Block   | 142     | 0 - 255 | 36 Block G Intensity 0 →100%                       |
|           |           | 143     | 0 - 255 | 36 Block B Intensity 0 →100%                       |
|           |           | 144     | 0 - 255 | 36 Block W Intensity 0 →100%                       |
|           |           | 145     | 0 - 255 | 37 <sup>Block</sup> R Intensity <sub>0 →100%</sub> |
|           | 37 Plack  | 146     | 0 - 255 | 37 Block G Intensity 0 →100%                       |
|           | S / BIOCK | 147     | 0 - 255 | 37 Block B Intensity <sub>0 →100%</sub>            |
|           |           | 148     | 0 - 255 | 37 Block WIntensity <sub>0 →100%</sub>             |
|           |           | 149     | 0 - 255 | 38 Block R Intensity 0 →100%                       |
|           | 28 Plack  | 150     | 0 - 255 | 38 Block G Intensity <sub>0 →100%</sub>            |
|           | SOBIOCK   | 151     | 0 - 255 | 38 Block BIntensity <sub>0 →100%</sub>             |
|           |           | 152     | 0 - 255 | 38 Block W Intensity0 →100%                        |
|           |           | 153     | 0 - 255 | 39 Block R Intensity 0 →100%                       |
|           | 30 Plack  | 154     | 0 - 255 | 39 Block G Intensity $_0 \rightarrow 100\%$        |
|           | J 7 DIUCK | 155     | 0 - 255 | 39 Block B Intensity 0 →100%                       |
|           |           | 156     | 0 - 255 | 39 Block W Intensity 0 →100%                       |
|           |           | 157     | 0 - 255 | 40 Block R Intensity <sub>0 →100%</sub>            |
|           |           | 158     | 0 - 255 | 40 Block G Intensity 0 → 100%                      |
|           | 40Block   | 159     | 0 - 255 | 40 Block B Intensity 0 →100%                       |
|           |           | 160     | 0 - 255 | 40 Block W Intensity <sup>0</sup> →100%            |

| Regional   | Block     | Channel | DMX     | Function   |
|------------|-----------|---------|---------|--|
|            |           | 161     | 0 - 255 | 41Block RIntensity <sup>0</sup> →100%              |
|            | 41Block   | 162     | 0 - 255 | 41 Block G Intensity 0 →100%                       |
|            | ar brook  | 163     | 0 - 255 | 41 Block B Intensity <sup>0</sup> →100%            |
|            |           | 164     | 0 - 255 | 41 Block W Intensity 0 →100%                       |
|            |           | 165     | 0 - 255 | 42Block R Intensity 0 →100%                        |
|            | 42Block   | 166     | 0 - 255 | 42Block G Intensity <sup>0</sup> → <sup>100%</sup> |
|            |           | 167     | 0 - 255 | 42Block B Intensity 0 → 100%                       |
|            |           | 168     | 0 - 255 | 42 Block W Intensity 0 →100%                       |
|            |           | 169     | 0 - 255 | 43Block R Intensity 0 →100%                        |
|            | 1201-1    | 170     | 0 - 255 | 43Block G Intensity 0 →100%                        |
|            | 4 3 BIOCK | 171     | 0 - 255 | 43Block BIntensity 0 →100%                         |
|            |           | 172     | 0 - 255 | 43Block W Intensity 0 →100%                        |
|            |           | 173     | 0 - 255 | 44Block R Intensity 0 →100%                        |
|            |           | 174     | 0 - 255 | 44Block G Intensity 0 →100%                        |
|            | 44Block   | 175     | 0 - 255 | 44Block B Intensity 0 →100%                        |
|            |           | 176     | 0 - 255 | 44Block W Intensity 0 →100%                        |
|            |           | 177     | 0 - 255 | 45 Block R Intensity 0 →100%                       |
|            | 45Block   | 178     | 0 - 255 | 45 Block G Intensity 0 →100%                       |
|            |           | 179     | 0 - 255 | 45 Block B Intensity 0 →100%                       |
| Regional1  |           | 180     | 0 - 255 | 45 Block W Intensity <sup>0</sup> →100%            |
| rtogronurr |           | 181     | 0 - 255 | 46Block R Intensity 0 →100%                        |
|            | 46Block   | 182     | 0 - 255 | 46 Block G Intensity 0 →100%                       |
|            |           | 183     | 0 - 255 | 46 Block B Intensity 0 →100%                       |
|            |           | 184     | 0 - 255 | 46Block W Intensity 0 →100%                        |
|            |           | 185     | 0 - 255 | 47 Block R Intensity 0 →100%                       |
|            | 17 pie sk | 186     | 0 - 255 | 47 Block G Intensity 0 →100%                       |
|            | 47 BIOCK  | 187     | 0 - 255 | 47 Block B Intensity 0 →100%                       |
|            |           | 188     | 0 - 255 | 47 Block W Intensity0 →100%                        |
|            |           | 189     | 0 - 255 | 48 Block R Intensity 0 →100%                       |
|            | 10 01     | 190     | 0 - 255 | 48 Block G Intensity 0 →100%                       |
|            | 40Block   | 191     | 0 - 255 | 48 Block BIntensity 0 →100%                        |
|            |           | 192     | 0 - 255 | 48 Block W Intensity <sup>0</sup> →100%            |
|            |           | 193     | 0 - 255 | 49 Block R Intensity 0 →100%                       |
|            |           | 194     | 0 - 255 | 49 Block G Intensity 0 →100%                       |
|            | - / BIUCK | 195     | 0 - 255 | 49 Block B Intensity 0 →100%                       |
|            |           | 196     | 0 - 255 | 49 Block W Intensity 0 →100%                       |
|            |           | 197     | 0 - 255 | 50 Block R Intensity 0 →100%                       |
|            |           | 198     | 0 - 255 | 50 Block G Intensity 0 →100%                       |
|            | 50Block   | 199     | 0 - 255 | 50 Block B Intensity 0 →100%                       |
|            |           | 200     | 0 - 255 | 50 Block W Intensity <sup>0</sup> →100%            |

| Regiona   | Block       | Channel | DMX     | Function                                |
|-----------|-------------|---------|---------|---|
|           | 5101        | 201     | 0 - 255 | 51Block R Intensity 0 →100%             |
|           |             | 202     | 0 - 255 | 51 Block G Intensity 0 →100%            |
|           | JIBIOCK     | 203     | 0 - 255 | 51 Block BIntensity 0 →100%             |
|           |             | 204     | 0 - 255 | 51 Block W Intensity 0 →100%            |
|           |             | 205     | 0 - 255 | 52 Block R Intensity 0 →100%            |
|           | 50-1        | 206     | 0 - 255 | 52 Block G Intensity 0 → 100%           |
|           | 52Block     | 207     | 0 - 255 | 52 Block B Intensity 0 → 100%           |
|           |             | 208     | 0 - 255 | 52 Block W Intensity 0 →100%            |
|           |             | 209     | 0 - 255 | 53 Block R Intensity 0 →100%            |
|           | 52DL        | 210     | 0 - 255 | 53 Block G Intensity 0 →100%            |
|           | D 3 Block   | 211     | 0 - 255 | 53 Block B Intensity 0 →100%            |
|           |             | 212     | 0 - 255 | 53 Block W Intensity 0 →100%            |
|           |             | 213     | 0 - 255 | 54 Block R Intensity 0 →100%            |
|           |             | 214     | 0 - 255 | 54 Block G Intensity 0 →100%            |
|           | 54Block     | 215     | 0 - 255 | 54 Block B Intensity 0 →100%            |
|           |             | 216     | 0 - 255 | 54 Block W Intensity 0 →100%            |
|           |             | 217     | 0 - 255 | 55 Block R Intensity 0 →100%            |
|           | 55Block     | 218     | 0 - 255 | 55 Block G Intensity 0 →100%            |
|           |             | 219     | 0 - 255 | 55 Block BIntensity 0 →100%             |
| Regional1 |             | 220     | 0 - 255 | 55 Block W Intensity 0 →100%            |
|           | 56Block     | 221     | 0 - 255 | 56 Block R Intensity 0 →100%            |
|           |             | 222     | 0 - 255 | 56 Block G Intensity 0 → 100%           |
|           |             | 223     | 0 - 255 | 56 Block B Intensity 0 →100%            |
|           |             | 224     | 0 - 255 | 56 Block W Intensity 0 → 100%           |
|           | · · · · · · | 225     | 0 - 255 | 57 Block R Intensity 0 → 100%           |
|           | 57Block     | 226     | 0 - 255 | 57 Block G Intensity 0 →100%            |
|           |             | 227     | 0 - 255 | 57 Block B Intensity 0 →100%            |
|           |             | 228     | 0 - 255 | 57 Block W Intensity →100%              |
|           |             | 229     | 0 - 255 | 58 Block R Intensity 0 → 100%           |
|           | 50-1 · ·    | 230     | 0 - 255 | 58 Block G Intensity                    |
|           | 58Block     | 231     | 0 - 255 | 58 Block B Intensity 0 → 100%           |
|           |             | 232     | 0 - 255 | 58 Block W Intensity0 →100%             |
|           |             | 233     | 0 - 255 | 59 Block R Intensity 0 →100%            |
|           | 5054 V      | 234     | 0 - 255 | 59 Block G Intensity 0 →100%            |
|           | 2 A BIOCK   | 235     | 0 - 255 | 59 Block B Intensity 0 →100%            |
|           |             | 236     | 0 - 255 | 59 Block W Intensity 0 →100%            |
|           |             | 237     | 0 - 255 | 60 Block R Intensity 0 →100%            |
|           |             | 238     | 0 - 255 | 60 Block G Intensity 0 →100%            |
|           | 60Block     | 239     | 0 - 255 | 60 Block B Intensity 0 →100%            |
|           |             | 240     | 0 - 255 | 60 Block W Intensity <sup>0</sup> →100% |

| Regional  | Block    | Channel | DMX     | Function                                |
|-----------|----------|---------|---------|---|
|           | 61 Block | 241     | 0 - 255 | 61Block RIntensity 0 →100%              |
|           |          | 242     | 0 - 255 | 61 Block G Intensity 0 →100%            |
|           |          | 243     | 0 - 255 | 61 Block BIntensity 0 →100%             |
|           |          | 244     | 0 - 255 | 61 Block W Intensity 0 →100%            |
|           |          | 245     | 0 - 255 | 62 Block R Intensity 0 →100%            |
|           | 4201     | 246     | 0 - 255 | 62 Block G Intensity 0 → 100%           |
|           | OZBIOCK  | 247     | 0 - 255 | 62 Block B Intensity 0 → 100%           |
|           |          | 248     | 0 - 255 | 62 Block W Intensity 0 →100%            |
|           |          | 249     | 0 - 255 | 63 Block R Intensity <sub>0 →100%</sub> |
|           | 63 Plack | 250     | 0 - 255 | 63 Block G Intensity 0 →100%            |
|           | OSBIOCK  | 251     | 0 - 255 | 63 Block B Intensity 0 →100%            |
|           |          | 252     | 0 - 255 | 63 Block W Intensity 0 →100%            |
|           |          | 253     | 0 - 255 | 64 Block R Intensity <sub>0 →100%</sub> |
|           |          | 254     | 0 - 255 | 64 Block G Intensity 0 →100%            |
|           | 64Block  | 255     | 0 - 255 | 64 Block B Intensity 0 →100%            |
|           |          | 256     | 0 - 255 | 64 Block W Intensity 0 →100%            |
|           |          | 257     | 0 - 255 | 65 Block R Intensity 0 →100%            |
|           | 65Block  | 258     | 0 - 255 | 65 Block G Intensity <sup>0</sup> →100% |
|           |          | 259     | 0 - 255 | 65 Block B Intensity 0 →100%            |
| Regional1 |          | 260     | 0 - 255 | 65 Block W Intensity <sup>0</sup> →100% |
|           | 66Block  | 261     | 0 - 255 | 66 Block R Intensity 0 →100%            |
|           |          | 262     | 0 - 255 | 66 Block G Intensity 0 →100%            |
|           |          | 263     | 0 - 255 | 66 Block B Intensity <sub>0 →100%</sub> |
|           |          | 264     | 0 - 255 | 66 Block W Intensity ₀ →100%            |
|           | 67Block  | 265     | 0 - 255 | 67 Block R Intensity 0 →100%            |
|           |          | 266     | 0 - 255 | 67 Block G Intensity <sub>0 →100%</sub> |
|           |          | 267     | 0 - 255 | 67 Block BIntensity <sub>0 →100%</sub>  |
|           |          | 268     | 0 - 255 | 67 Block W Intensity <sub>0 →100%</sub> |
|           |          | 269     | 0 - 255 | 68 Block R Intensity <sub>0 →100%</sub> |
|           | 68 Plack | 270     | 0 - 255 | 68 Block G Intensity <sub>0 →100%</sub> |
|           | OOBIOCK  | 271     | 0 - 255 | 68 Block B Intensity <sub>0 →100%</sub> |
|           |          | 272     | 0 - 255 | 68 Block W Intensity <sub>0</sub> →100% |
|           |          | 273     | 0 - 255 | 69 Block R Intensity <sub>0 →100%</sub> |
|           | 60 Plack | 274     | 0 - 255 | 69 Block G Intensity <sub>0 →100%</sub> |
|           | 07 DIUCK | 275     | 0 - 255 | 69 Block B Intensity 0 →100%            |
|           |          | 276     | 0 - 255 | 69 Block W Intensity 0 →100%            |
|           |          | 277     | 0 - 255 | 70 Block R Intensity 0 →100%            |
|           |          | 278     | 0 - 255 | 70 Block G Intensity 0 →100%            |
|           | 70Block  | 279     | 0 - 255 | 70 Block B Intensity 0 →100%            |
|           |          | 280     | 0 - 255 | 70 Block W Intensity 0 →100%            |

| Regional  | Block     | Channel | DMX     | Function                                    |
|-----------|-----------|---------|---------|---|
|           | 71 01 1   | 281     | 0 - 255 | 71Block R Intensity 0 →100%                 |
|           |           | 282     | 0 - 255 | 71 Block G Intensity 0 →100%                |
|           | 7 I DIUCK | 283     | 0 - 255 | 71 Block B Intensity 0 →100%                |
|           |           | 284     | 0 - 255 | 71 Block W Intensity 0 →100%                |
| Regional1 |           | 285     | 0 - 255 | 72Block R Intensity 0 →100%                 |
|           | 70        | 286     | 0 - 255 | 72 Block G Intensity 0 → 100%               |
|           | / Z Block | 287     | 0 - 255 | 72Block B Intensity 0 → 100%                |
|           |           | 288     | 0 - 255 | 72 Block W Intensity 0 →100%                |
|           |           | 1       | 0 - 255 | 73Block R Intensity 0 →100%                 |
|           | 72011     | 2       | 0 - 255 | 73Block G Intensity 0 →100%                 |
|           | 7 S BIOCK | 3       | 0 - 255 | 73Block BIntensity 0 →100%                  |
|           |           | 4       | 0 - 255 | 73Block W Intensity 0 →100%                 |
|           |           | 5       | 0 - 255 | 74Block RIntensity <sub>0 →100%</sub>       |
|           |           | 6       | 0 - 255 | 74Block G Intensity 0 →100%                 |
|           | /4Block   | 7       | 0 - 255 | 74Block BIntensity 0 →100%                  |
|           |           | 8       | 0 - 255 | 74Block W Intensity 0 →100%                 |
| Regional2 |           | 9       | 0 - 255 | 75 Block R Intensity 0 →100%                |
|           | 75Block   | 10      | 0 - 255 | 75 Block G Intensity 0 →100%                |
|           |           | 11      | 0 - 255 | 75 Block BIntensity 0 →100%                 |
|           |           | 12      | 0 - 255 | 75 Block W Intensity 0 →100%                |
|           |           | 13      | 0 - 255 | 76 Block R Intensity 0 →100%                |
|           | 76Block   | 14      | 0 - 255 | 76 Block G Intensity $_0 \rightarrow 100\%$ |
|           |           | 15      | 0 - 255 | 76 Block B Intensity 0 →100%                |
|           |           | 16      | 0 - 255 | 76 Block W Intensity 0 →100%                |
|           |           | 17      | 0 - 255 | 77 Block R Intensity <sub>0 →100%</sub>     |
|           | 77Block   | 18      | 0 - 255 | 77 Block G Intensity 0 →100%                |
|           | 1 / DIUCK | 19      | 0 - 255 | 77 Block BIntensity <sub>0 →100%</sub>      |
|           |           | 20      | 0 - 255 | 77 Block WIntensity0 →100%                  |
|           |           | 21      | 0 - 255 | 78 Block R Intensity <sub>0 →100%</sub>     |
|           | 78Block   | 22      | 0 - 255 | 78 Block G Intensity <sub>0 →100%</sub>     |
|           | / O DIOCK | 23      | 0 - 255 | 78 Block BIntensity 0 →100%                 |
|           |           | 24      | 0 - 255 | 78 Block WIntensity <sup>0</sup> →100%      |
|           |           | 25      | 0 - 255 | 79 Block R Intensity 0 →100%                |
|           |           | 26      | 0 - 255 | 79 Block G Intensity 0 →100%                |
|           | 79Block   | 27      | 0 - 255 | 79 Block B Intensity 0 →100%                |
|           |           | 28      | 0 - 255 | 79 Block W Intensity 0 →100%                |
|           |           | 29      | 0 - 255 | 80 Block R Intensity 0 →100%                |
|           |           | 30      | 0 - 255 | 80 Block G Intensity 0 →100%                |
|           | 80Block   | 31      | 0 - 255 | 80 Block B Intensity 0 →100%                |
|           |           | 32      | 0 - 255 | 80 Block W Intensity <sup>0</sup> →100%     |

| Regiona   | l Block   | Channel | DMX     | Function                                |
|-----------|-----------|---------|---------|---|
|           |           | 33      | 0 - 255 | 81 Block R Intensity 0 →100%            |
|           |           | 34      | 0 - 255 | 81 Block G Intensity 0 →100%            |
|           | 8 I Block | 35      | 0 - 255 | 81 Block B Intensity 0 →100%            |
|           |           | 36      | 0 - 255 | 81 Block W Intensity 0 →100%            |
|           |           | 37      | 0 - 255 | 82 Block R Intensity 0 →100%            |
|           |           | 38      | 0 - 255 | 82 Block G Intensity 0 → 100%           |
|           | 82Block   | 39      | 0 - 255 | 82 Block B Intensity 0 → 100%           |
|           |           | 40      | 0 - 255 | 82 Block W Intensity 0 →100%            |
|           |           | 41      | 0 - 255 | 83 Block R Intensity 0 →100%            |
|           | 0201-1    | 42      | 0 - 255 | 83 Block G Intensity 0 →100%            |
|           | OSBIOCK   | 43      | 0 - 255 | 83 Block BIntensity 0 →100%             |
|           |           | 44      | 0 - 255 | 83 Block W Intensity 0 →100%            |
|           |           | 45      | 0 - 255 | 84 Block R Intensity 0 →100%            |
|           |           | 46      | 0 - 255 | 84 Block G Intensity ₀ →100%            |
|           | 84Block   | 47      | 0 - 255 | 84 Block B Intensity 0 →100%            |
|           |           | 48      | 0 - 255 | 84 Block W Intensity 0 →100%            |
| Regional2 |           | 49      | 0 - 255 | 85 Block R Intensity 0 →100%            |
|           | 85Block   | 50      | 0 - 255 | 85 Block G Intensity 0 →100%            |
|           |           | 51      | 0 - 255 | 85 Block BIntensity 0 →100%             |
|           |           | 52      | 0 - 255 | 85 Block W Intensity 0 →100%            |
|           |           | 53      | 0 - 255 | 86 Block R Intensity 0 →100%            |
|           | 86Block   | 54      | 0 - 255 | 86 Block G Intensity <sub>0 →100%</sub> |
|           |           | 55      | 0 - 255 | 86 Block B Intensity 0 →100%            |
|           |           | 56      | 0 - 255 | 86 Block W Intensity <sub>0 →100%</sub> |
|           | 87Block   | 57      | 0 - 255 | 87 Block R Intensity <sub>0 →100%</sub> |
|           |           | 58      | 0 - 255 | 87 Block G Intensity <sub>0 →100%</sub> |
|           |           | 59      | 0 - 255 | 87 Block BIntensity 0 →100%             |
|           |           | 60      | 0 - 255 | 87 Block W Intensity0 →100%             |
|           |           | 61      | 0 - 255 | 88 Block R Intensity <sub>0 →100%</sub> |
|           | 88 Plook  | 62      | 0 - 255 | 88 Block G Intensity 0 →100%            |
|           | OODIUCK   | 63      | 0 - 255 | 88 Block BIntensity 0 →100%             |
|           |           | 64      | 0 - 255 | 88 Block W Intensity <sup>0</sup> →100% |
|           |           | 65      | 0 - 255 | 89 Block R Intensity 0 →100%            |
|           |           | 66      | 0 - 255 | 89 Block G Intensity 0 →100%            |
|           | 89Block   | 67      | 0 - 255 | 89 Block B Intensity 0 →100%            |
|           |           | 68      | 0 - 255 | 89 Block W Intensity 0 →100%            |
|           |           | 69      | 0 - 255 | 90 Block R Intensity 0 →100%            |
|           |           | 70      | 0 - 255 | 90 Block G Intensity 0 →100%            |
|           | 90Block   | 71      | 0 - 255 | 90 Block B Intensity 0 →100%            |
|           |           | 72      | 0 - 255 | 90 Block W Intensity0 →100%             |

| Regional  | Block       | Channel | DMX     | Function                                 |
|-----------|-------------|---------|---------|--|
|           |             | 73      | 0 - 255 | 91 Block RIntensity0 →100%               |
|           |             | 74      | 0 - 255 | 91 Block G Intensity 0 →100%             |
|           | A I BIOCK   | 75      | 0 - 255 | 91 Block B Intensity0 →100%              |
|           |             | 76      | 0 - 255 | 91 Block W Intensity 0 →100%             |
|           |             | 77      | 0 - 255 | 92 Block R Intensity 0 →100%             |
|           |             | 78      | 0 - 255 | 92 Block G Intensity 0 → 100%            |
|           | 92Block     | 79      | 0 - 255 | 92 Block B Intensity 0 → 100%            |
|           |             | 80      | 0 - 255 | 92 Block W Intensity 0 →100%             |
|           |             | 81      | 0 - 255 | 93 Block R Intensity0 →100%              |
|           | 0.2         | 82      | 0 - 255 | 93 Block G Intensity 0 →100%             |
|           | A 2 BIOCK   | 83      | 0 - 255 | 93 Block B Intensity0 →100%              |
|           |             | 84      | 0 - 255 | 93 Block W Intensity 0 →100%             |
|           |             | 85      | 0 - 255 | 94 Block R Intensity <sub>0 →100%</sub>  |
|           | - 1000 - 00 | 86      | 0 - 255 | 94 Block G Intensity <sub>0 →100%</sub>  |
|           | 94Block     | 87      | 0 - 255 | 94 Block BIntensity0 →100%               |
|           | l İ         | 88      | 0 - 255 | 94 Block W Intensity 0 →100%             |
| Regional2 |             | 89      | 0 - 255 | 95 Block R Intensity0 →100%              |
|           | 95Block     | 90      | 0 - 255 | 95 Block G Intensity 0 →100%             |
|           |             | 91      | 0 - 255 | 95 Block BIntensity <sub>0 →100%</sub>   |
|           |             | 92      | 0 - 255 | 95 Block W Intensity0 →100%              |
|           |             | 93      | 0 - 255 | 96 Block R Intensity 0 →100%             |
|           | 96Block     | 94      | 0 - 255 | 96 Block G Intensity 0 →100%             |
|           |             | 95      | 0 - 255 | 96 Block B Intensity 0 →100%             |
|           |             | 96      | 0 - 255 | 96 Block W Intensity <sub>0 →100%</sub>  |
|           |             | 97      | 0 - 255 | 97 Block R Intensity <sub>0 →100%</sub>  |
|           |             | 98      | 0 - 255 | 97 Block G Intensity →100%               |
|           | A / BIOCK   | 99      | 0 - 255 | 97 Block BIntensity <sub>0 →100%</sub>   |
|           |             | 100     | 0 - 255 | 97 Block Wintensityo →100%               |
|           |             | 101     | 0 - 255 | 98 Block RIntensity <sub>0 →100%</sub>   |
|           | 0 8 Dia ak  | 102     | 0 - 255 | 98 Block G Intensity <sub>0 →100%</sub>  |
|           | 7 O BIOCK   | 103     | 0 - 255 | 98 Block BIntensity0 →100%               |
|           |             | 104     | 0 - 255 | 98 Block W Intensity <sup>0</sup> →100%  |
|           |             | 105     | 0 - 255 | 99 Block R Intensity 0 →100%             |
|           |             | 106     | 0 - 255 | 99 Block G Intensity 0 →100%             |
|           | 99Block     | 107     | 0 - 255 | 99 Block B Intensity 0 →100%             |
|           |             | 108     | 0 - 255 | 99 Block W Intensity <sup>0</sup> →100%  |
|           |             | 109     | 0 - 255 | 100 Block R Intensity0 →100%             |
|           |             | 110     | 0 - 255 | 100 Block G Intensity <sub>0 →100%</sub> |
|           | 100Block    | 111     | 0 - 255 | 100 Block B Intensity <sup>0</sup> →100% |
|           |             | 112     | 0 - 255 | 100 Block W Intensity <sup>0</sup> →100% |

| Regional  | Block       | Channel | DMX     | Function  |
|-----------|-------------|---------|---------|---|
|           | 101-1       | 113     | 0 - 255 | 101Block RIntensity0 →100%                          |
|           |             | 114     | 0 - 255 | 101 Block G Intensity 0 →100%                       |
|           | I U I BIOCK | 115     | 0 - 255 | 101 Block B Intensity 0 →100%                       |
|           |             | 116     | 0 - 255 | 101 Block W Intensity 0 →100%                       |
|           |             | 117     | 0 - 255 | 102 Block R Intensity 0 →100%                       |
|           | 10254       | 118     | 0 - 255 | 102 Block G Intensity 0 → 100%                      |
|           | I U Z BIOCK | 119     | 0 - 255 | 102 Block B Intensity 0 → 100%                      |
|           |             | 120     | 0 - 255 | 102 Block W Intensity 0 →100%                       |
|           |             | 121     | 0 - 255 | 103 Block R Intensity <sub>0 →100%</sub>            |
|           | 102 Block   | 122     | 0 - 255 | 103 Block G Intensity 0 →100%                       |
|           | TUSBIOCK    | 123     | 0 - 255 | 103 Block B Intensity 0 →100%                       |
|           |             | 124     | 0 - 255 | 103 Block W Intensity <sub>0</sub> →100%            |
|           |             | 125     | 0 - 255 | 104 Block R Intensity <sub>0 →100%</sub>            |
|           |             | 126     | 0 - 255 | 104 Block G Intensity <sub>0 →100%</sub>            |
|           | 104Block    | 127     | 0 - 255 | 104 Block B Intensity 0 →100%                       |
|           |             | 128     | 0 - 255 | 104 Block W Intensity 0 →100%                       |
| Regional2 |             | 129     | 0 - 255 | 105 Block R Intensity <sub>0 →100%</sub>            |
|           | 105Block    | 130     | 0 - 255 | 105 Block G Intensity 0 →100%                       |
|           |             | 131     | 0 - 255 | 105 Block BIntensity <sub>0 →100%</sub>             |
|           |             | 132     | 0 - 255 | 105 Block W Intensity <sub>0 →100%</sub>            |
|           |             | 133     | 0 - 255 | 106 Block R Intensity <sub>0 →100%</sub>            |
|           | 106Block    | 134     | 0 - 255 | 106 Block G Intensity 0 →100%                       |
|           |             | 135     | 0 - 255 | 106 Block B Intensity 0 →100%                       |
|           |             | 136     | 0 - 255 | 106 Block W Intensity <sub>0 →100%</sub>            |
|           | 107Block    | 137     | 0 - 255 | 107 Block R Intensity <sub>0 →100%</sub>            |
|           |             | 138     | 0 - 255 | 107 Block G Intensity <sub>0 →100%</sub>            |
|           | Dioon       | 139     | 0 - 255 | 107 Block B Intensity <sub>0 →100%</sub>            |
|           |             | 140     | 0 - 255 | 107 Block W Intensity0 →100%                        |
|           |             | 141     | 0 - 255 | 108 Block R Intensity <sub>0 →100%</sub>            |
|           | 108Block    | 142     | 0 - 255 | 108 <sub>Block</sub> G Intensity <sub>0 →100%</sub> |
|           | , cobiook   | 143     | 0 - 255 | 108 Block B Intensity 0 →100%                       |
|           |             | 144     | 0 - 255 | 108 Block W Intensity <sup>0</sup> →100%            |
|           |             | 145     | 0 - 255 | 109 Block R Intensity 0 →100%                       |
|           |             | 146     | 0 - 255 | 109 Block G Intensity 0 →100%                       |
|           | 109Block    | 147     | 0 - 255 | 109 Block B Intensity 0 →100%                       |
|           |             | 148     | 0 - 255 | 109 Block W Intensity 0 →100%                       |
|           |             | 149     | 0 - 255 | 110 Block R Intensity 0 →100%                       |
|           |             | 150     | 0 - 255 | 110 Block G Intensity 0 →100%                       |
|           | 110Block    | 151     | 0 - 255 | 110 Block B Intensity 0 →100%                       |
|           |             | 152     | 0 - 255 | 110 Block W Intensity <sup>0</sup> →100%            |

| Regional  | Block                | Channel | DMX     | Function                                 |
|-----------|----------------------|---------|---------|--|
|           | 111Block             | 153     | 0 - 255 | 111 Block R Intensity0 →100%             |
|           |                      | 154     | 0 - 255 | 111 Block G Intensity 0 →100%            |
|           |                      | 155     | 0 - 255 | 111 Block BIntensity0 →100%              |
|           |                      | 156     | 0 - 255 | 111 Block W Intensity 0 →100%            |
|           |                      | 157     | 0 - 255 | 112 Block R Intensity 0 →100%            |
|           | 110                  | 158     | 0 - 255 | 112 Block G Intensity 0 → 100%           |
|           | 112Block             | 159     | 0 - 255 | 112 Block B Intensity 0 → 100%           |
|           |                      | 160     | 0 - 255 | 112 Block W Intensity 0 →100%            |
|           |                      | 161     | 0 - 255 | 113 Block R Intensity <sub>0 →100%</sub> |
|           | 1120                 | 162     | 0 - 255 | 113 Block G Intensity 0 →100%            |
|           | TISBIOCK             | 163     | 0 - 255 | 113 Block BIntensity <sub>0 →100%</sub>  |
|           |                      | 164     | 0 - 255 | 113 Block W Intensity 0 →100%            |
|           |                      | 165     | 0 - 255 | 114 Block R Intensity <sub>0 →100%</sub> |
|           |                      | 166     | 0 - 255 | 114 Block G Intensity 0 →100%            |
|           | 114Block             | 167     | 0 - 255 | 114 Block BIntensity <sub>0 →100%</sub>  |
|           |                      | 168     | 0 - 255 | 114 Block W Intensity 0 →100%            |
| Regional2 |                      | 169     | 0 - 255 | 115 Block R Intensity <sub>0 →100%</sub> |
|           | 115Block             | 170     | 0 - 255 | 115 Block G Intensity 0 →100%            |
|           |                      | 171     | 0 - 255 | 115 Block BIntensity <sub>0 →100%</sub>  |
|           |                      | 172     | 0 - 255 | 115 Block W Intensity <sub>0 →100%</sub> |
|           |                      | 173     | 0 - 255 | 116 Block R Intensity 0 → 100%           |
|           | 116Block             | 174     | 0 - 255 | 116 Block G Intensity 0 →100%            |
|           |                      | 175     | 0 - 255 | 116 Block B Intensity 0 →100%            |
|           |                      | 176     | 0 - 255 | 116 Block W Intensity 0 →100%            |
|           |                      | 177     | 0 - 255 | 117 Block R Intensity <sub>0 →100%</sub> |
|           | 117Block             | 178     | 0 - 255 | 117 Block G Intensity <sub>0 →100%</sub> |
|           | TTADIOCK             | 179     | 0 - 255 | 117 Block BIntensity <sub>0 →100%</sub>  |
|           |                      | 180     | 0 - 255 | 117 Block W Intensity0 →100%             |
|           |                      | 181     | 0 - 255 | 118 Block R Intensity <sub>0 →100%</sub> |
|           | 118 Block            | 182     | 0 - 255 | 118 Block G Intensity <sub>0 →100%</sub> |
|           | TOBIOCK              | 183     | 0 - 255 | 118 Block BIntensity0 →100%              |
|           |                      | 184     | 0 - 255 | 118 Block W Intensity <sup>0</sup> →100% |
|           |                      | 185     | 0 - 255 | 119 Block R Intensity 0 →100%            |
|           |                      | 186     | 0 - 255 | 119 Block G Intensity 0 →100%            |
|           | 119 <sub>Block</sub> | 187     | 0 - 255 | 119 Block B Intensity 0 →100%            |
|           |                      | 188     | 0 - 255 | 119 Block W Intensity <sup>0</sup> →100% |
|           |                      | 189     | 0 - 255 | 120 Block R Intensity 0 →100%            |
|           |                      | 190     | 0 - 255 | 120 Block G Intensity0 →100%             |
|           | 120Block             | 191     | 0 - 255 | 120 Block B Intensity 0 →100%            |
|           |                      | 192     | 0 - 255 | 120 Block W Intensity <sup>0</sup> →100% |

| Regiona                                | l Block              | Channel | DMX     | Function                                     |
|--|----------------------|---------|---------|--|
|  |                      | 193     | 0 - 255 | 121Block R Intensity 0 →100%                 |
|  | 101                  | 194     | 0 - 255 | 121Block G Intensity 0 →100%                 |
|  | I Z I Block          | 195     | 0 - 255 | 121 Block B Intensity 0 →100%                |
|  |                      | 196     | 0 - 255 | 121 Block W Intensity 0 →100%                |
|  |                      | 197     | 0 - 255 | 122 Block R Intensity 0 →100%                |
|  | 100                  | 198     | 0 - 255 | 122 Block G Intensity 0 → 100%               |
|  | I Z Z Block          | 199     | 0 - 255 | 122 Block B Intensity 0 → 100%               |
|  |                      | 200     | 0 - 255 | 122 Block W Intensity 0 →100%                |
|  |                      | 201     | 0 - 255 | 123Block R Intensity 0 →100%                 |
|  | 1220                 | 202     | 0 - 255 | 123Block G Intensity 0 →100%                 |
|  | I Z J Block          | 203     | 0 - 255 | 123 Block B Intensity 0 →100%                |
|  |                      | 204     | 0 - 255 | 123 Block W Intensity 0 →100%                |
|  |                      | 205     | 0 - 255 | 124 Block R Intensity 0 →100%                |
|  | 104                  | 206     | 0 - 255 | 124 Block G Intensity 0 →100%                |
|  | I Z 4 Block          | 207     | 0 - 255 | 124 Block B Intensity 0 →100%                |
| 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. |                      | 208     | 0 - 255 | 124Block W Intensity 0 →100%                 |
| Regional2                              |                      | 209     | 0 - 255 | 125 Block R Intensity 0 →100%                |
|  | 125Block             | 210     | 0 - 255 | 125 Block G Intensity 0 →100%                |
|  |                      | 211     | 0 - 255 | 125 Block B Intensity 0 →100%                |
|  |                      | 212     | 0 - 255 | 125 Block W Intensity 0 →100%                |
|  |                      | 213     | 0 - 255 | 126 Block R Intensity 0 → 100%               |
|  | 126Block             | 214     | 0 - 255 | 126 Block G Intensity $_0 \rightarrow 100\%$ |
|  |                      | 215     | 0 - 255 | 126 Block B Intensity 0 →100%                |
|  |                      | 216     | 0 - 255 | 126 Block W Intensity 0 →100%                |
|  | 107                  | 217     | 0 - 255 | 127Block R Intensity <sub>0 →100%</sub>      |
|  |                      | 218     | 0 - 255 | 127Block GIntensity <sub>0 →100%</sub>       |
|  | IZ / BIOCK           | 219     | 0 - 255 | 127Block BIntensity 0 →100%                  |
|  |                      | 220     | 0 - 255 | 127Block WIntensity0 →100%                   |
|  |                      | 221     | 0 - 255 | 128 Block R Intensity <sub>0 →100%</sub>     |
|  | 120                  | 222     | 0 - 255 | 128 Block G Intensity <sub>0 →100%</sub>     |
|  | I Z O Block          | 223     | 0 - 255 | 128 Block B Intensity 0 →100%                |
|  |                      | 224     | 0 - 255 | 128 Block W Intensity <sup>0</sup> →100%     |
|  |                      | 225     | 0 - 255 | 129 Block R Intensity 0 →100%                |
|  |                      | 226     | 0 - 255 | 129 Block G Intensity 0 →100%                |
|  | 129 <sub>Block</sub> | 227     | 0 - 255 | 129 Block B Intensity 0 →100%                |
|  |                      | 228     | 0 - 255 | 129 Block W Intensity 0 →100%                |
|  |                      | 229     | 0 - 255 | 130Block R Intensity 0 →100%                 |
|  |                      | 230     | 0 - 255 | 130 Block G Intensity 0 →100%                |
|  | 1 3 0 Block          | 231     | 0 - 255 | 130 Block B Intensity 0 →100%                |
|  |                      | 232     | 0 - 255 | 130 Block W Intensity <sup>0</sup> →100%     |

| Regional  | Block                | Channel | DMX     | Function                                 |
|-----------|----------------------|---------|---------|--|
|           | 2                    | 233     | 0 - 255 | 131Block R Intensity 0 →100%             |
|           | 101                  | 234     | 0 - 255 | 131Block G Intensity 0 →100%             |
|           | I J I Block          | 235     | 0 - 255 | 131 Block B Intensity 0 →100%            |
|           |                      | 236     | 0 - 255 | 131 Block W Intensity 0 →100%            |
|           |                      | 237     | 0 - 255 | 132 Block R Intensity 0 →100%            |
|           | 100                  | 238     | 0 - 255 | 132 Block G Intensity 0 → 100%           |
|           | I 3 Z Block          | 239     | 0 - 255 | 132 Block B Intensity 0 → 100%           |
|           |                      | 240     | 0 - 255 | 132 Block W Intensity 0 →100%            |
|           |                      | 241     | 0 - 255 | 133Block R Intensity 0 →100%             |
|           | 122                  | 242     | 0 - 255 | 133Block G Intensity 0 →100%             |
|           | I J J Block          | 243     | 0 - 255 | 133 Block B Intensity 0 →100%            |
|           |                      | 244     | 0 - 255 | 133 Block W Intensity 0 →100%            |
|           |                      | 245     | 0 - 255 | 134 Block R Intensity 0 →100%            |
|           | 101                  | 246     | 0 - 255 | 134 Block G Intensity 0 →100%            |
|           | 1 34 Block           | 247     | 0 - 255 | 134 Block B Intensity 0 →100%            |
|           |                      | 248     | 0 - 255 | 134Block W Intensity 0 →100%             |
| Regional2 |                      | 249     | 0 - 255 | 135 Block R Intensity 0 →100%            |
|           | 135 Block            | 250     | 0 - 255 | 135 Block G Intensity 0 →100%            |
|           |                      | 251     | 0 - 255 | 135 Block B Intensity 0 → 100%           |
|           |                      | 252     | 0 - 255 | 135 Block W Intensity 0 →100%            |
|           |                      | 253     | 0 - 255 | 136 Block R Intensity 0 →100%            |
|           | 136Block             | 254     | 0 - 255 | 136 Block G Intensity 0 →100%            |
|           |                      | 255     | 0 - 255 | 136 Block B Intensity 0 →100%            |
|           |                      | 256     | 0 - 255 | 136 Block W Intensity 0 →100%            |
|           |                      | 257     | 0 - 255 | 137Block R Intensity 0 →100%             |
|           | 137 <sub>Pleak</sub> | 258     | 0 - 255 | 137Block G Intensity 0 →100%             |
|           | I 3 / Block          | 259     | 0 - 255 | 137Block BIntensity 0 →100%              |
|           |                      | 260     | 0 - 255 | 137Block WIntensity0 →100%               |
|           |                      | 261     | 0 - 255 | 138 Block R Intensity 0 →100%            |
|           | 120-                 | 262     | 0 - 255 | 138 Block G Intensity 0 →100%            |
|           | I JO Block           | 263     | 0 - 255 | 138 Block B Intensity 0 →100%            |
|           |                      | 264     | 0 - 255 | 138 Block W Intensity <sup>0</sup> →100% |
|           |                      | 265     | 0 - 255 | 139 Block R Intensity 0 →100%            |
|           |                      | 266     | 0 - 255 | 139 Block G Intensity 0 →100%            |
|           | 139 <sub>Block</sub> | 267     | 0 - 255 | 139 Block B Intensity 0 →100%            |
|           |                      | 268     | 0 - 255 | 139 Block W Intensity 0 →100%            |
|           |                      | 269     | 0 - 255 | 140Block R Intensity 0 →100%             |
|           |                      | 270     | 0 - 255 | 140Block G Intensity 0 →100%             |
|           | 140Block             | 271     | 0 - 255 | 140 Block B Intensity 0 →100%            |
|           |                      | 272     | 0 - 255 | 140 Block W Intensity <sup>0</sup> →100% |

| Regiona   | al Block             | Channel | DMX     | Function                                 |
|-----------|----------------------|---------|---------|--|
|           | 141                  | 273     | 0 - 255 | 141 Block R Intensity0 →100%             |
|           |                      | 274     | 0 - 255 | 141 Block G Intensity 0 →100%            |
|           | I - I BIOCK          | 275     | 0 - 255 | 141 Block B Intensity 0 →100%            |
|           |                      | 276     | 0 - 255 | 141 Block W Intensity 0 →100%            |
|           |                      | 277     | 0 - 255 | 142 Block R Intensity 0 →100%            |
|           | 142Block             | 278     | 0 - 255 | 142 Block G Intensity 0 → 100%           |
|           |                      | 279     | 0 - 255 | 142 Block B Intensity 0 → 100%           |
|           |                      | 280     | 0 - 255 | 142 Block W Intensity 0 →100%            |
| Regional2 | 143Block             | 281     | 0 - 255 | 143 Block R Intensity <sub>0 →100%</sub> |
|           |                      | 282     | 0 - 255 | 143 Block G Intensity 0 →100%            |
|           |                      | 283     | 0 - 255 | 143 Block B Intensity 0 →100%            |
|           |                      | 284     | 0 - 255 | 143 Block W Intensity 0 →100%            |
|           |                      | 285     | 0 - 255 | 144 Block R Intensity <sub>0 →100%</sub> |
|           | 144 <sub>Block</sub> | 286     | 0 - 255 | 144 Block G Intensity 0 →100%            |
|           |                      | 287     | 0 - 255 | 144 Block B Intensity 0 →100%            |
|           |                      | 288     | 0 - 255 | 144 Block W Intensity 0 →100%            |

# 6.4 Error Message

## 1. LED Fan Error

Check if the fan is not running.

Check if the fan leads are installed in place or disconnected.

Check if the fan is damaged.

Check if there are other interference items in the fan operating range.

Check if the fan circuit on the motherboard breaks down.

Check if the component is damaged.

Check if the fan is out of order.

#### Fan Distribution Diagram

## of the machine:



## 7. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

#### A. The unit does not work, no light and the fan does not work

- 1. Check the connect power
- 2. Measure the mains voltage on the main connector.
- 3. Check the power on LED to see if it can be light up or not.

#### B. Not responding to DMX controller

- 1. check DMX connectors, cables to see if they are linked properly.
- 2. check the address settings and DMX

polarity.

- 3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
- 4. Try to use another DMX controller.
- 5. Check to see if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

#### C. One of the channels is not working well

- 1. The stepper motor might be damaged or the cable connected to the PCB is broken.
- 2. The motor's drive IC on the PCB might be out of condition.

## 8. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- •Clean with soft cloth and use normal glass to clean liquid.
- •Always dry the parts carefully.
- •Clean the external optics at least every 20 days.

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