USER´S MANUAL
BEDIENUNGSANLEITUNG
MANUEL D`UTILISATION
MANUAL DE USUARIO
INSTRUKCJA OBSŁUGI
MANUALE D' USO

# cameo®

GREEN SOLUTION

STROBE EFFECT

LED TECHNOLOGY

FLICKER FREE

RGB W

DUST PROOF HOUSING

512 DMX

IP65

W-DMX™

ETL Intertek

STAND ALONE MODE

MASTER/SLAVE

SINGLE PIXEL CONTROL



# PIXBAR® SMD IP G2
## IP65 SMD LED BAR
CLPBSMDIPG2

# CONTENTS / INHALTSVERZEICHNIS / CONTENU / CONTENIDO / TREŚĆ / CONTENUTO

## YOU HAVE MADE THE RIGHT CHOICE!

This device has been developed and manufactured to the highest quality standards to ensure many years of trouble-free operation. Please read this user manual carefully to be able to quickly put your new Cameo Light product to optimum use. Further information about Cameo Light is available on our website **CAMEOLIGHT.COM**.

## INFORMATION ON THIS USER MANUAL

- Carefully read the safety instructions and the entire manual before operating the device.
- Observe the warnings on the device and in the user manual.
- Always keep the user manual within reach.
- If you sell or pass on the device, it is important that you also include this user manual, as it is an integral part of the product.

## INTENDED USE

The product is a device for event technology!

This product has been developed for professional use in the field of event technology and is not suitable for use as domestic lighting!

Furthermore, this product is only intended for qualified users with specialist knowledge of event technology!

Use of the product outside the specified technical data and operating conditions is considered improper use!

Liability is exempted when damage and third-party damage to persons and property is caused by inappropriate use!

The product is not suitable for:

- Use by persons (including children) with limited physical, sensory or mental abilities or lack of experience and knowledge.
- Children (children must be instructed not to play with the device).

## DEFINITIONS AND SYMBOL EXPLANATIONS

1. **DANGER:** The word DANGER, possibly in combination with a symbol, indicates immediately dangerous situations or conditions for life and limb.

2. **WARNING:** The word WARNING, possibly in combination with a symbol, indicates potentially dangerous situations or conditions for life and limb.

3. **CAUTION:** The word CAUTION, possibly in combination with a symbol, is used to indicate situations or conditions that may lead to injury.

4. **ATTENTION:** The word ATTENTION, possibly in combination with a symbol, refers to situations or conditions that can lead to damage to property and/or the environment.

This symbol identifies hazards that can cause electric shock.

This symbol identifies hazardous areas or hazardous situations.

This symbol indicates hazards caused by hot surfaces.

This symbol indicates hazards caused by intense light sources.

This symbol indicates a device in which there are no user-replaceable parts.

This symbol indicates additional information on the operation of the product.

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## SAFETY INSTRUCTIONS

**DANGER:**
1. Do not open the device and do not perform any modifications.
2. If your device no longer functions properly, if liquids or objects get inside it or if it has been damaged in any other way, switch it off immediately and disconnect it from the mains. The device may be repaired only by authorised repair technicians.
3. For devices of protection class 1, the protective earth conductor must be connected correctly. Never disconnect the protective earth conductor. Devices of protection class 2 do not have a protective earth conductor.
4. Ensure that live cables are not kinked or otherwise mechanically damaged.
5. Never bypass the device fuse.

**WARNING:**
1. The device must not be used if it shows obvious signs of damage.
2. The device may only be installed in a voltage-free state.
3. If the power cable of the device is damaged, do not operate the device.
4. Permanently connected power cables may only be replaced by a qualified person.

**ATTENTION:**
1. Do not switch on the device if it has been exposed to extreme temperature fluctuations (for example, following transport). Moisture and condensation can damage the device. Switch on the device only when it has reached ambient temperature.
2. Make sure that the voltage and frequency of the mains supply correspond to the values indicated on the device. If the device has a voltage selector switch, do not turn the device on until it has been set correctly. Use only suitable power cables.

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3. To disconnect the device from the mains at all poles, it is not sufficient to press the on/off switch on the device.
4. Make sure that the fuse used corresponds to the type printed on the device.
5. Make sure that appropriate measures have been taken against overvoltage (e.g. lightning strike).
6. Observe the specified maximum output current on devices with Power Out connection. Ensure that the total current consumption of all connected devices does not exceed the specified value.
7. Only replace pluggable mains cables with equivalent cables that correspond to the cable originally supplied. The cross-section must not fall below the cross-section of the original cable.
8. Connect the device only to compliant, tested and undamaged power outlets.

**DANGER:**
1. Choking hazard! Plastic bags and small parts must be kept out of reach of persons (including children) with reduced physical, sensory or mental capabilities.
2. Danger caused by falling device! Make sure that the device is securely installed and cannot fall down. Only use suitable stands or mounts (particularly for fixed installations). Ensure that accessories are properly installed and secured. Ensure that all applicable safety regulations are observed.

**WARNING:**
1. Use the device only in the manner intended.
2. Operate the device only with the accessories recommended and intended by the manufacturer.
3. During installation, observe the safety regulations applicable in your country.
4. After connecting the device, check all cable routes to avoid damage or accidents, e.g. due to tripping hazards.
5. Always observe the specified minimum distance to normally flammable materials! Unless explicitly stated, the minimum distance is 0.3 m.
6. Always observe the minimum distance to the illuminated surface specified on the device!

**CAUTION:**
1. Moving components such as mounting brackets pose a jamming hazard.
2. In the case of devices with motor-driven components, there is a risk of injury from the movement of the device. Sudden movement of the device can cause shock reactions.
3. The exterior surface of the device can become very hot during regular operation. Ensure that accidental touching of the housing is not possible. Always allow the device to cool sufficiently before removal, maintenance work and charging etc.

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**ATTENTION:**
1. Do not install or use the device in the vicinity of radiators, accumulators, stoves, or other heat sources. Ensure that the device is always installed in such a way that it can be sufficiently cooled and cannot overheat.
2. Do not place ignition sources such as burning candles near the device.
3. Vents must not be covered and fans must not be blocked.
4. Use the original packaging or packaging provided by the manufacturer for transport.
5. Avoid shock or impact to the device.
6. Observe the IP protection class as well as the ambient conditions such as temperature and humidity according to the specification.
7. Devices can be continuously further developed. In the event of deviating information on operating conditions, performance or other device properties between the user manual and the device labelling, the information on the device always takes priority.
8. The device is not suitable for tropical climates and for operation at elevations higher than 2000 m above sea level.
9. Unless explicitly stated, the unit is not suitable for operation in marine conditions.

**PLEASE NOTE:**
For conversion or retrofit sets or accessories provided by the manufacturer, it is essential to observe the instructions included.

**CAUTION! IMPORTANT INFORMATION REGARDING LIGHTING PRODUCTS!**
1. Never look directly into the beam of light, not even for a short period of time.
2. Never look into the beam of light using optical devices such as a magnifying glass.

3. Stroboscopic effects may cause epileptic seizures in susceptible individuals!

4. Permanently installed lamps are built into these lighting units. These may not be replaced by the user. In the event of a fault, please contact your distribution partner.

**SIGNAL TRANSMISSION AND CONTROL BY RADIO**
**(e.g. W-DMX or audio radio systems, Bluetooth):**
The quality and performance of wireless signal transmissions generally depends on the ambient conditions.
For example, the following factors can impact range and signal stability:
Shielding (e.g. masonry, metal structures, water)
High volumes of radio traffic (e.g. powerful wireless LAN networks)
Interference
Electromagnetic radiation (e.g. LED video screens, dimmers)
All range specifications refer to free-field line-of-sight applications without interference!
The operation of transmission systems is subject to official regulations. These may vary from region to region and must be checked by the operator before use (e.g. radio frequency and transmission power).

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**WARNING:** Devices with wireless signal transmission are not suitable for use in sensitive areas in which radio operation can lead to potentially detrimental interactions. These include:

- Hospitals, health centres or other healthcare facilities that provide patient treatment with skilled personnel and equipment.
- Hazardous areas Class I, II and III
- Restricted areas
- Military facilities
- Aircraft or vehicles
- Areas where the use of mobile phones is prohibited

## TRANSMISSION VIA W-DMX

**WARNING:** In general, wireless DMX transmission must not be used for applications involving safety-related factors that might result in personal injury or property damage in the event of a failure.

This applies in particular to moving scene or traverse structures, DMX-controlled motors/lifts or lifting devices for operating DMX-operated platform lifts, hydraulic systems or comparable moving components.

Furthermore, wireless DMX transmission must not be used to trigger flame or pyrotechnic devices, explosion-driven effects, or to control gas or liquid effects. These include e.g. $CO_2$ cannons, confetti shooters, water effects or similar.

## NOTES ON PORTABLE OUTDOOR DEVICES

1. Temporary operation! Event equipment is generally only designed for temporary operation.
2. Continuous operation or permanent structural installation – particularly outdoors – can impair the function, surfaces and seals and accelerate material fatigue.
3. Damage to the surface coating can impair the corrosion protection of the appliance; a damaged surface coating (e.g. scratches) must be restored promptly using suitable measures.

## PACKAGING CONTENT

Remove the product from the packaging and remove all packaging material. Please check the completeness and integrity of the delivery and notify your distribution partner immediately after purchase if the delivery is not complete or if it is damaged.

The packaging content includes:

▶ 1 x PIXBAR® SMD IP65 G2 LED Bar

▶ 2 x Sliding mounting feet with folding SPIN16® mounting spigot (pre-assembled)

▶ 1 x Standard frost filter

▶ 1 x Glare shield

  ▶ 1 x Power cable

**10**  ▶ 1 x Operating instructions

## INTRODUCTION

PIXBAR® SMD G2 OUTDOOR LED BAR

CLPBSMDIPG2 with 2 x 160 3-in-1 RGB SMD LEDs and 192 cool white SMD LEDs

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Top: 160 3-in-1 RGB SMD LEDs
(16 segments can be controlled separately)

Centre: 192 cold white SMD LEDs
(16 segments can be controlled separately)

Bottom: 160 3-in-1 RGB SMD LEDs
(16 segments can be controlled separately)
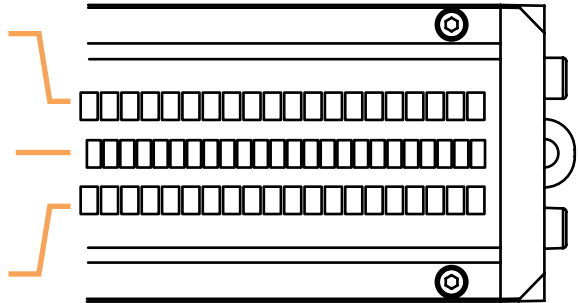
### CONTROL FUNCTIONS

6-channel Direct, 9-channel Strobe, 13-channel Direct, 23-channel Pattern, 29-channel Pattern, 51-channel Strobe RGB Pixel, 64-channel Pixel, 68-channel Pixel Strobe, 73-channel Pixel Strobe, 99-channel Strobe RGB Pixel, 112-channel Pixel, 116-channel Pixel Strobe, 121-channel Pixel Strobe, D7-channel Strobe and D8-channel Strobe DMX control

RDM
W-DMX™
Master/Slave modes
Stand-alone functions

### FEATURES

- Protection class IP65
- Convection cooling
- Operating voltage: 100 - 240 VAC

The LED Bar is equipped with the RDM standard (Remote Device Management). This remote device management enables the status query and configuration of RDM end devices via an RDM-capable controller, such as the optionally available Cameo UNICON (item number CLIREMOTE). The Cameo UNICON also allows access to the entire spotlight menu.

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# CONNECTIONS, OPERATING AND DISPLAY ELEMENTS
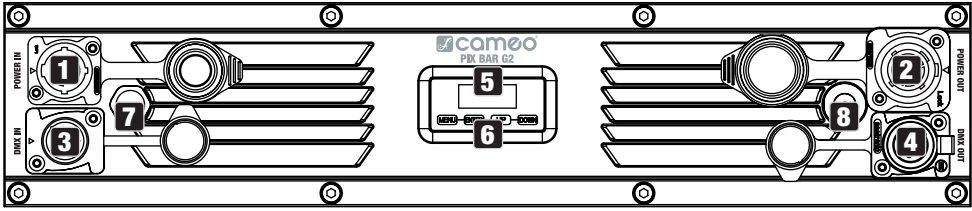


## 1 POWER IN

IP65 mains input socket with rubber sealing cap (TRUE1 compatible). Operating voltage 100 - 240 VAC / 50 - 60 Hz. Connection via supplied power cable (when not in use, always close with the rubber sealing cap).

## 2 POWER OUT

IP65 mains output socket with rubber sealing cap (TRUE1 compatible). Facilitates power supply to other CAMEO spotlights. Ensure that the total current consumption of all connected devices does not exceed the value specified on the device in amperes (A) (when not in use, always close with the rubber sealing cap).

## 3 DMX IN

Male IP65 5-pin XLR socket for connecting a DMX control device (e.g. DMX console, when not in use always close with the rubber sealing cap).

## 4 DMX OUT

Female IP65 5-pin XLR socket for forwarding the DMX control signal (when not in use, always close with the rubber sealing cap).

## 5 OLED DISPLAY

The OLED display shows the currently activated operating mode or the current DMX address (main display), the menu items in the menu and the numerical value or operational status in certain menu items.

## 6 TOUCH-SENSITIVE CONTROL PANELS

**MENU**- Press MENU to access the main menu. Press again or repeatedly to return to the main screen.

**UP** and  **DOWN**  – Select the menu items in the main menu (DMX address, operating mode, etc.) and in the sub-menus using UP and DOWN. Change value or status in a menu item, e.g. DMX address. To quickly change a value, such as the DMX start address, press and hold UP or DOWN.

**ENTER** – Press ENTER to access the menu level to make value or status changes, and to access one of the sub-menus. Confirm value or status changes by pressing ENTER.

**NOTES:**
- Before navigating the unit menu, make sure that the control panel is dry and clean so that its functionality is not impaired.
- Water on the control unit can lead to incorrect operation of the spotlight, e.g. in outdoor operation. Therefore, after configuring the spotlight, activate the lock function to prevent incorrect operation by water (Settings -> Display -> Autolock). Deactivate the lock function: Press UP and DOWN simultaneously for approx. 5 seconds.

## 7 PRESSURE EQUALISATION ELEMENT

Pressure equalisation element to prevent condensation inside the housing. In order to ensure its proper function, the element must be protected from dirt.

## 8 W-DMX™ ANTENNA

Antenna for W-DMX™ control.

**CAUTION:** To ensure IP65 splash resistance for the DMX and network sockets, the special input and output sockets must be correctly sealed with the IP65 special plugs or the rubber sealing caps must be used for sealing. When connected correctly, or when sealed correctly with the rubber sealing caps, the POWER IN and POWER OUT sockets are protected from water sprays in accordance with IP65.

## OPERATION
### NOTE

- As soon as the spotlight is correctly connected to the power supply, the following are displayed in succession: "Update wait ..." (for service purposes only), "Welcome to Cameo", the model name and the software version. After this process, the spotlight is ready for operation and the previously activated operating mode is launched.
- If there is no input for approx. 30 seconds, the display automatically returns to the main display.
- Note on the main display in the operating modes with external control: As soon as the control signal is interrupted, the characters in the display start flashing; if the control signal is present again, the flashing stops.
- Briefly pressing UP when in the main display rotates the display by 180°.

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## SETTING DMX START ADDRESS (DMX address)

Starting from the main display, press MENU to enter the main menu. Now use UP and DOWN to select the menu item **DMX Address** and confirm with ENTER. Using the UP and DOWN buttons, configure the desired DMX start address and press ENTER to confirm (highest value dependent upon activated DMX mode).

```
      Menu
  DMX Address
   DMX Mode
  Stand Alone
    Slave
   Settings
   Service
  System Info
```

```
 DMX Address
  001 - 4xx
```

```
 DMX Address
    001
```
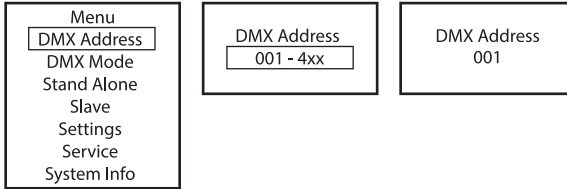
## CONFIGURING DMX MODE (DMX Mode)

Starting from the main display, press MENU to enter the main menu. Now use UP and DOWN to select the menu item **DMX Mode** and confirm with ENTER. Now select the desired DMX mode using UP and DOWN and confirm the selection with ENTER. DMX operating modes with DMX delay channel and group selection (Group 0 - 24) are marked with "D". Tables with the channel assignments can be found in these instructions under DMX CONTROL.

```
      Menu
  DMX Address
   DMX Mode
  Stand Alone
    Slave
   Settings
   Service
  System Info
```

```
      DMX Mode
     6 CH Direct
     9 CH Strobe
    13 CH Direct
    23 CH Pattern
    29 CH Pattern
  51 CH Strobe Pixel
    64 CH Pixel
  68 CH Pixel Strobe
  73 CH Pixel Strobe
  99 CH Strobe Pixel
    112 CH Pixel
  116 CH Pixel Strobe
  121 CH Pixel Strobe
    D7 CH Strobe
    D8 CH Strobe
```
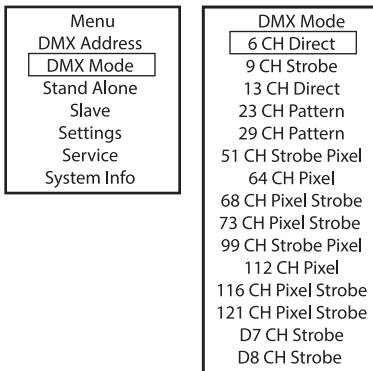
## DMX modes with DMX delay channel

The DMX Delay function is a simple way to create a running light effect with a large number of spotlights that are all the same model and that are all running the same software version. This is otherwise only achievable with a suitable DMX controller and time-consuming programming. All the spotlights used (same models, same software version) are set to the same DMX operating mode with DMX delay channel and controlled via the same DMX start address.

Setting the DMX delay: Select one of the DMX operating modes with DMX delay channel and confirm the selection (in the example D7 CH Direct). Assign the spotlights to one of up to 24 groups as required (plus group 0), whereby several spotlights can also be assigned to one group. The group number is also the factor by which the set delay time set in the DMX controller is multiplied. Confirm each entry by pressing ENTER.

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```
      Menu
   DMX Address
   DMX Mode
   Stand Alone
      Slave
    Settings
     Service
   System Info
```

```
   DMX Mode
   D7 CH Direct
```

```
   D7 CH Direct
   Group 0 - 24
```
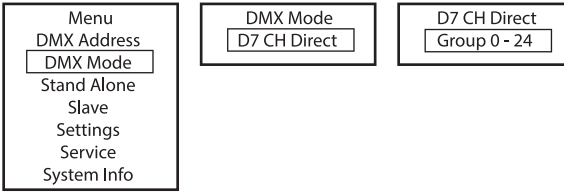
The delay time (delay time of the DMX signal) is set by means of a DMX controller in the separate DMX delay channel of the corresponding DMX mode (0.0 s to 2.0 s in 0.1 s increments).

Setup example:

```
                  Delay Group 0      Delay Group 1      Delay Group 2      Delay Group 3      Delay Group 4
                     0s Delay          0,5s Delay          1s Delay          1,5s Delay          2s Delay

     DMX          D7 CH Direct       D7 CH Direct       D7 CH Direct       D7 CH Direct       D7 CH Direct
  Controller        Group 0            Group 1            Group 2            Group 3            Group 4
 DMX Delay 0.5s

                                                                           D7 CH Direct
                                                                             Group 3

                                                                           D7 CH Direct
                                                                             Group 3
```
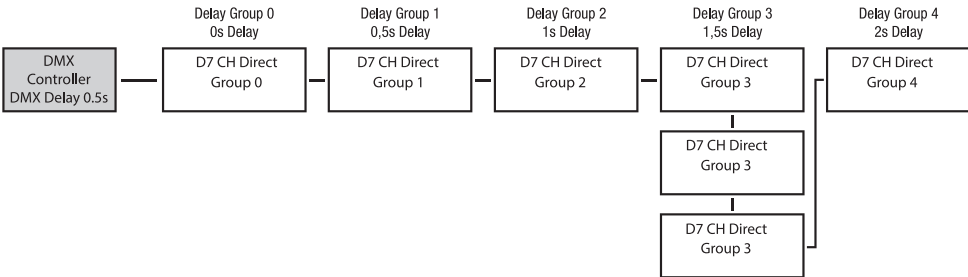
## STAND-ALONE MENU MASTER / ALONE

In the stand-alone operating modes Direct LED and Play Scene/Loop, the control signal of the corresponding operating mode can be output to slave units via XLR (DMX OUT) and W-DMX™:

Stand Alone -> Master/Alone -> Master

If the output of the control signal is not desired, the output can be deactivated:

Stand Alone -> Master/Alone -> Alone

A delay can be set for slave units for the time-delayed output of the control signal of the Play Loop stand-alone operating mode.

Starting from the main display, press MENU to enter the main menu. Now select the **Stand Alone** menu item, confirm, select **Master/Alone** and confirm again.

```
      Menu
   DMX Address
   DMX Mode
   Stand Alone
      Slave
    Settings
     Service
   System Info
```

```
    Stand Alone
   Master/Alone
    Direct LED
  Play Scene/Loop
      Timer
    Edit Scene
    Edit Loop
```

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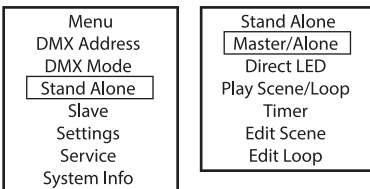
This will take you to the submenu for configuring the submenu items (see table).

| Master gain | Send to XLR | | Control signal is forwarded via DMX OUT |
|---|---|---|---|
| | Send to W-DMX | On | Activate DMX control signal forwarding via W-DMX |
| | | Off | Deactivate sending of the DMX control signal via W-DMX |
| | | Force to pair | Pairing with ready-to-pair W-DMX devices |
| | | Unlink | Disconnect all W-DMX connections |
| | DMX DELAY | | Set DMX delay for slave units: Off, 0.1 s - 2.0 s |
| Alone | | | Do not forward control signal |

### STAND-ALONE DIRECT LED MODE

The stand-alone Direct LED operating mode allows you to set the dimmer, strobe, R, G, B and W directly on the device, similar to a DMX control unit. In this way, an individual scene can be created without an additional DMX controller.

Starting from the main display, press MENU to enter the main menu. Use UP and DOWN to select **Stand Alone**, confirm with ENTER, then select **Direct LED** and confirm again with ENTER. Now select the menu item you want to edit, confirm the selection, set the desired value and confirm the entry.

```
     Menu
  DMX Address
   DMX Mode
 [Stand Alone]
     Slave
   Settings
   Service
  System Info
```
```
  Stand Alone
  Master/Alone
 [ Direct LED ]
 Play Scene/Loop
     Timer
   Edit Scene
   Edit Loop
```
```
     Direct LED
 [Dimmer  0% - 100%]
 Red      0% - 100%
 Green    0% - 100%
 Blue     0% - 100%
 White    0% - 100%
 Strobe   0Hz - 20Hz
```

### STAND-ALONE OPERATING MODE PLAY SCENE / LOOP

#### (scene 1 - 8 / 8-step colour sequences 1 - 8)

Both the 8 available scenes and the 8 available loops are pre-programmed at the factory, but can be customised in the **Edit Scene** or **Edit Loop** menu item.

Starting from the main display, press MENU to enter the main menu. Use the UP and DOWN buttons to select the **Stand Alone** menu item, confirm with ENTER, then select the **Play Scene/ Loop** submenu item and confirm again. Now select **Scene** or **Loop**, confirm, select the desired scene or loop and confirm the selection. Set the desired brightness under **Dimmer** and confirm the entry.

```
     Menu
  DMX Address
   DMX Mode
 [Stand Alone]
     Slave
   Settings
   Service
  System Info
```
```
  Stand Alone
  Master/Alone
   Direct LED
 [Play Scene/Loop]
     Timer
   Edit Scene
   Edit Loop
```
```
   Play Scene/Loop
 [Dimmer    0% - 100%]
 Scene           1 - 8
 Loop            1 - 8
```

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## TIMER FUNCTION

The timer function allows the stand-alone mode Static to be timer controlled in such a way that the fade-in time can be set from 0 to 60 minutes, the dwell time from 1 to 24 hours and the fade-out time from 0 to 60 minutes. After activation of the timer function, the timer control will be implemented upon the next system start.

Starting from the main display, press MENU to enter the main menu. Select **Stand Alone**, confirm the selection, then select **Timer** and confirm again. Select the setting **On** under **Timer** and confirm. For the individual timer control settings, select **Fade In**, **Dwell Time** or **Fade Out** and confirm. You can now set the respective value as desired. Confirm all entries. To deactivate the timer function, select the setting **Off** under **Timer** and confirm the entry.

**i** **PLEASE NOTE:**
The timer function is suitable for use in master/slave operation via cable and W-DMX™.

```
      Menu
   DMX Address
   DMX Mode
 [ Stand Alone ]
     Slave
    Settings
    Service
   System Info
```

```
   Stand Alone
   Master/Alone
   Direct LED
 Play Scene/Loop
 [    Timer    ]
   Edit Scene
   Edit Loop
```

```
        Timer
 [ Timer      ON / OFF ]
   Fade In     0 - 60min
   Dwell Time  1 - 24h
   Fade Out    0 - 60min
```

## EDIT SCENE (Edit Scene)

The eight scenes available in the Play Scene/Loop stand-alone mode can be individually edited. Starting from the main display, press MENU to enter the main menu. Using UP and DOWN you now select the menu item **Stand Alone**, confirm with ENTER, then select **Edit Loop** and confirm once again. Select the desired scene (Scene 1 - 8) and confirm the selection. Now select the menu item you want to edit, confirm the selection, set the desired value and confirm the entry.

```
      Menu
   DMX Address
   DMX Mode
 [ Stand Alone ]
     Slave
    Settings
    Service
   System Info
```

```
   Stand Alone
   Master/Alone
   Direct LED
 Play Scene/Loop
     Timer
 [ Edit Scene ]
   Edit Loop
```

```
   Edit Scene
 [  Scene 1  ]
      |
    Scene 8
```

```
           Scene x
 [ RGB Dimmer     0 - 100% ]
   Red           0 - 100%
   Green         0 - 100%
   Blue          0 - 100%
   RGB Strobe    0 - 20Hz
   Center Dimmer 0 - 100%
   Center Strobe 0 - 20Hz
```

## EDIT LOOP (Edit Loop)

Brightness, step duration and fade time can be set separately for all eight loops. Starting from the main display, press MENU to enter the main menu. Using UP and DOWN you now select the menu item **Stand Alone**, confirm with ENTER, then select **Edit Loop** and confirm once again. Now select the desired loop for editing and confirm the selection.

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| Menu | Stand Alone | Edit Loop | Loop x |
|---|---|---|---|
| DMX Address | Master/Alone | Loop 1 | Step |
| DMX Mode | Direct LED | | t-Step |
| Stand Alone | Play Scene/Loop | | t-Fade |
| Slave | Timer | Loop 8 | Scene |
| Settings | Edit Scene | | |
| Service | Edit Loop | | |
| System Info | | | |

This will take you to the submenu for configuring the submenu items (see table). The settings for each loop are made separately and are retained even after restarting the device.

| Step | 1 - 8 | Step selection |
|---|---|---|
| t-Step | t-Step<br>0s - 10s = 0,1s steps<br>10s - 1min = 1s steps<br>1min - 20min = 1min steps | Setting the step duration for the selected step |
| t-Fade | t-Fade<br>0s - 10s = 0,1s steps<br>10s - 1min = 1s steps<br>1min - 20min = 1min steps | Setting the fade time for the selected step |
| Scene | Step 1 + 2: Scene 1 - 8 / Blackout | Selection of the scene or blackout for the selected step |
| | Step 3 - 8: Scene 1 - 8 / Blackout / Skip Step | Select scene or blackout or skip selected step |

### SLAVE MODE

**Standard slave operation:** Starting from the main display, press MENU to enter the main menu. Using the UP and DOWN buttons, you now select the menu item **Slave** confirm with ENTER, select the Slave Group 0 and confirm again with ENTER. Connect the slave and master units (same model, same software version) using a DMX cable or via W-DMX™ and activate one of the stand-alone operating modes (Direct LED, Play Scene/Loop) in the master unit. The slave unit will now follow the master unit.

**Extended slave operation:** If you want to control the slave units by one of the stand-alone modes **Auto Program** or **Play Loop** in master / slave operation, the control signal can be played back with a time delay of up to 24 steps, the delay is set in the **Stand Alone** menu **Master/Alone** in the master unit, the delay factor in the slave menu of the corresponding fixture (Group). This is a simple way to create a running light effect with a large number of spotlights that are all the same model and have the same software version. This is otherwise only possible using a suitable DMX controller and time-consuming programming. Connect the slave and master units (same model, same software version) using a DMX cable or via W-DMX™.

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```
      Menu
   DMX Address
   DMX Mode
   Stand Alone
      Slave
    Settings
    Service
   System Info
```

```
      Slave
      Group
   Receive Mode
```

| Group | 0 - 24 | Set slave group for signal delay | |
|---|---|---|---|
| Receive Mode | XLR (permanent aktiv) | | |
| | Wireless | On | Activate W-DMX module |
| | | Off | W-DMX module deactivate |
| | | Unlink | Disconnect all connections and place in pairing standby mode |

Assign the spotlights to one of up to 24 groups (plus Group 0) according to preference, whereby several spotlights can be assigned to one group. The group number is also the factor by which the delay time set in the master unit is multiplied.

Setup example:

```
Master-Unit          Slave Group 0        Slave Group 1        Slave Group 2        Slave Group 3
Delay 0.5s           0s Delay             0.5s Delay           1s Delay             1.5s Delay

Stand Alone          Slave                Slave                Slave                Slave
Loop                 Group 00             Group 01             Group 02             Group 03
```
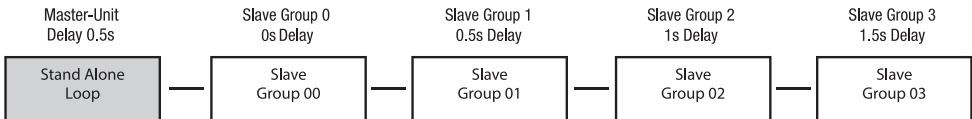
## SYSTEM SETTINGS (Settings)

Starting from the main display, press MENU to enter the main menu. Using UP and DOWN, select the menu item **Settings** and confirm with ENTER.

```
      Menu
   DMX Address
   DMX Mode
   Stand Alone
      Slave
    Settings
    Service
   System Info
```

This will take you to the submenu for setting the submenu items (see table, select with UP and DOWN, confirm with ENTER, change value or status with UP and DOWN, confirm with ENTER).

| SYSTEM SETTINGS (Settings) | | | | | |
|---|---|---|---|---|---|
| Wireless | = | Wireless settings | W-DMX State | On | Activate W-DMX |
| | | | | Off | W-DMX deactivated |
| | | | Operating Mode | Receive | W-DMX mode: Receiver |
| | | | | Transmit | G3 (G3 transmission standard) |
| | | | | | G4s (transmission standard G4s ) |
| | | | Linking | Unlink | Uncouple all units and make them ready for coupling |

| | | | | | |
|---|---|---|---|---|---|
| Wireless | = | Wireless settings | Linking | Link/Force to pair | Pair with W-DMX devices. W-DMX must be enabled on all devices, and the pairing with a transmitter be retained (Receive Reset). |
| | | | Signal Routing | Send to XLR | Send incoming signal to XLR connector |
| | | | | Backup by XLR | Using the incoming signal from the XLR connector when the W-DMX signal is lost. |
| | | | | Receive only | No connection between W-DMX signal and XLR connectors |
| Display | = | Display settings | Reverse | On | Display is rotated by 180° (e.g. for overhead installation) |
| | | | | Off | No display rotation |
| | | | Off Timer | Always On | Display lighting permanently on |
| | | | | Off after 20s | Deactivation of the display lighting after approx. 20 seconds of inactivity |
| | | | Autolock | Off | Function disabled |
| | | | | On after 60s | The controls and display are locked after approx. 60 seconds without any operation. Unlock: Press UP and DOWN simultaneously for approx. 5 seconds |
| Dimmer | = | Dimming behaviour and PWM frequency | Curve | Linear | Dimmer curve: The light intensity increases linearly with the DMX value |
| | | | | Exponential | Dimmer curve: The light intensity can be adjusted finely in the lower DMX value range and coarsely in the upper DMX value range |
| | | | | Logarithmic | Dimmer curve: The light intensity can be adjusted coarsely in the lower DMX value range and finely in the upper DMX value range |
| | | | | S-Curve | Light intensity can be finely adjusted at lower and higher DMX values and broadly adjusted at medium DMX values |
| | | | PWM Frequency | 650 Hz, 1530 Hz, 3600 Hz, 12 kHz, 18.9 kHz, 25 kHz | Select LED PWM frequency |
| | | | Response | LED | Light responds abruptly to changes in DMX value |
| | | | | Halogen | Light behaves like a halogen spotlight with smooth brightness changes |

| Color Calibration | = | Color Calibration | RAW | R, G, B and W with maximum value 255 |
| | | | User | Individual colour calibration. Cross-mode brightness setting of R, G, B, A and L with values from 000 - 255 |
| Signal Fail | = | Operational status in the event of control signal interruption | Hold | Last command is retained |
| | | | Last Stand Alone | Last activated stand-alone mode is started |
| | | | Fade to Black (10s) | 10 s fade to blackout |
| | | | Blackout | Instant blackout |
| | | | Scene 1 | Scene 1 is activated (Stand Alone -> Play Scene/Loop) |
| | | | Full | Full On |
| Pixel Mirror | = | Mirror pixel | Off | Function disabled |
| | | | Horizontal | Pixels are mirrored horizontally |
| | | | Vertical | Pixels are mirrored vertically |
| | | | Horizontal & Vertical | Pixels are mirrored horizontally and vertically |
| Store Default | = | Store all system settings in 3 individual presets | User A | Store with ENTER |
| | | | User B | Store with ENTER |
| | | | User C | Store with ENTER |

### SERVICE MENU (Service)

Starting from the main display, press MENU to enter the main menu. Select **Service** using UP and DOWN and confirm with ENTER.

```
        Menu
    DMX Address
     DMX Mode
    Stand Alone
       Slave
     Settings
      Service
    System Info
```

Information on the submenu items in the service menu and the corresponding options can be found in the table below (select with UP and DOWN, confirm with ENTER, change value or status with UP and DOWN, confirm with ENTER).

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| SERVICE MENU (Service) | | |
|---|---|---|
| Load Default | Factory | Reset to factory setting |
| | User A | Reset to User A values (Save user values: Settings -> Store Default) |
| | User B | Reset to User B values (Save user values: Settings -> Store Default) |
| Load Default | User C | Reset to User C values (Save user values: Settings -> Store Default) |
| Reset Service Timer | No | Cancel operation |
| | Reset now | Reset service operation time |
| Password | For service purposes only | |

## SYSTEM INFORMATION (System Info)

Starting from the main display, press MENU to enter the main menu. Select **System Info** using UP and DOWN and confirm with ENTER.

```
          Menu
      DMX Address
       DMX Mode
      Stand Alone
          Slave
        Settings
         Service
    [ System Info ]
```

Information on the submenu items in the system info menu and the corresponding options can be found in the table below (select with UP and DOWN, confirm with ENTER, change value or status with UP and DOWN, confirm with ENTER).

| SYSTEM INFORMATION (System Info) | | | |
|---|---|---|---|
| Firmware | DISP | Vx.x.x | Display of the firmware version of the corresponding component |
| | … | Vx.x.x | |
| Temperature | LED | xxx °C/°F | Display of the temperature of the corresponding component |
| | Temperature Unit | °C | Setting the temperature unit |
| | | °F | |
| Runtime | Total | xxxx h : xx m | Total operating time |
| | Operation | xxxx h : xx m | Usable time |
| | LED | xxxx h : xx m | Lamp operating time |
| | Service | xxxx h : xx m | Operating time after resetting the service operating time |
| RDM-UID | RDM Unique Identifier | | |

## INSTALLATION

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⚠️ **DANGER:**

Installation, especially overhead installation, requires extensive experience, relevant & up-to-date expertise and competence, including the calculation of working load limits, the installation material used and regular safety checks of all installation materials and floodlights! If you do not have these qualifications, do not attempt to carry out an installation yourself, but use the help of appropriately qualified specialist companies! There is a risk that devices that are incorrectly mounted and secured may come loose and fall down. This can cause serious injury or death.

Thanks to the adjustable stand or mounting feet, the PIXBAR® G2 can be set up in a suitable position on a flat floor (e.g. as an uplight).
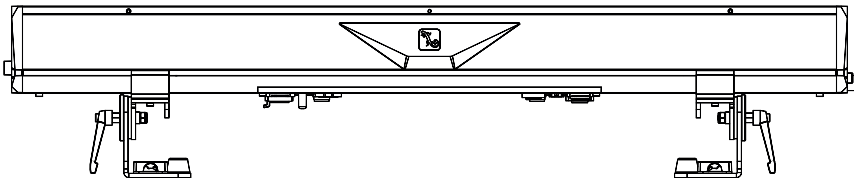


### Mounting a PIXBAR® on a truss

Mounting on a truss is done using optionally available truss clamps, which are either attached directly to the mounting feet (1), or to optionally available Omega mounting brackets (part number CLOMEGABRACKET1). The mounting feet can be moved on the housing of the PIXBAR® G2. To do this, loosen the middle of the five hexagon socket screws (2), move the foot to the desired position and tighten the screw again. The direction of radiation can be adjusted using the tommy screws (3) on the mounting feet. Ensure that the connections are tight and that the PIXBAR® G2 cannot come loose. When mounting the PIXBAR® G2 overhead, secure it with a suitable safety rope to one of the safety lugs provided (4). When mounting several docked PIXBAR® G2 horizontally overhead, each individual PIXBAR® G2 must be attached separately to the truss with the mounting feet and secured with a suitable safety rope.
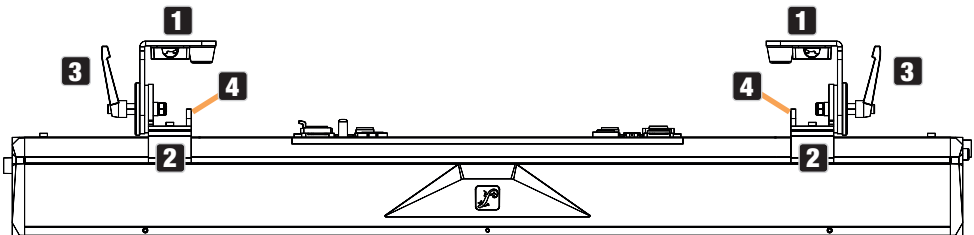
## Use SPIN16 TV spigot for mounting

The mounting feet of the PIXBAR® G2 have 16 mm TV spigots that can be extended and retracted without tools. To unfold a TV spigot, pull the spring-loaded locking bolt out of the locking hole in the direction of the arrow (1), fold the TV spigot forwards and let the locking bolt engage in the locking hole offset by 90° (2). Use suitable truss clamps for mounting. Ensure that the connections are tight and that the headlamp cannot come loose. When mounting the headlamp overhead, secure it with a suitable safety rope to one of the safety lugs provided (see marking).
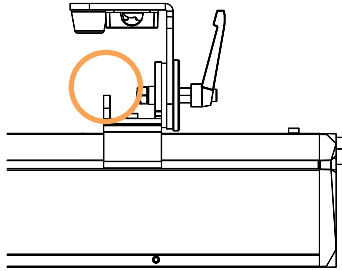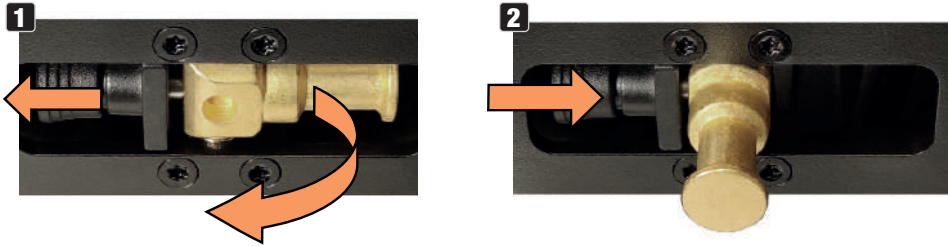
## Vertical hanging mounting on a truss

For vertical hanging mounting, up to three PIXBAR® G2 may be connected to each other. The following optionally available products must be used for this:

**1** A suitable truss clamp with sufficient load-bearing capacity for the total load (e.g. half coupler).

**2** One Omega bracket (article number CLOMEGABRACKET1).

**3** One stop set (article number CLPBG2VERTIMOUNT).

**4** One or two connecting elements are needed to connect two or three PIXBAR® G2 and to secure the connection (item number CLPBG2STACKKIT).

The safety eyelet of the top foot of the top bar serves as a safety point. Make sure that the safety rope used to secure the bars is suitable for the total weight of the bars.

For optical reasons, the mounting feet can be folded to the side of the housing. A rubber buffer prevents the surface from being damaged.

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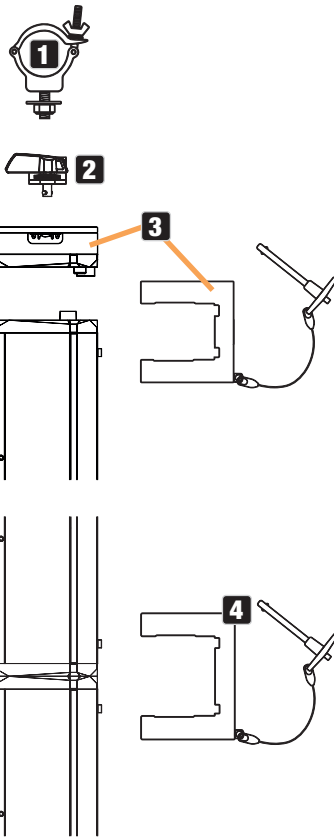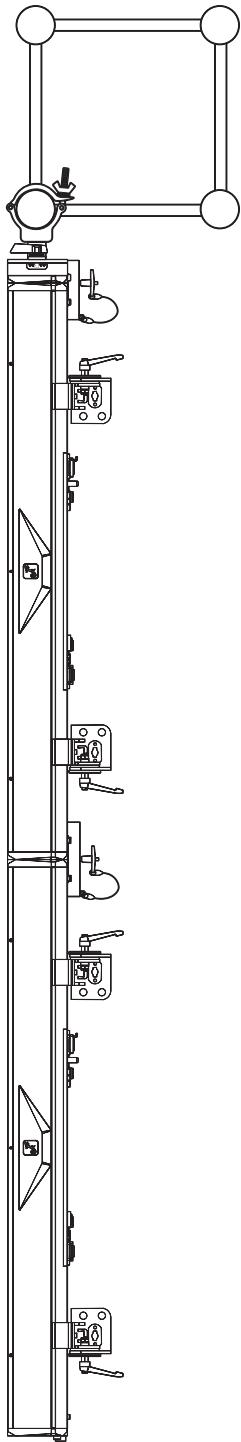
## Vertical floor mounting

For vertical floor mounting, a maximum of two PIXBAR® G2 may be connected to each other. The following optionally available products must be used for this:

**1** One connector (item number CLPBG2STACKKIT).

**2** One stop set (article number CLPBG2VERTIMOUNT).

**3** One M20 connection set (article number CLPBG2M20ADA).

**4** A heavy steel stand with M20 thread and sufficient stability for     the total load.

The stability in combination with the stand used must be assessed by the user. No additional loads may be introduced.

For optical reasons, the mounting feet can be folded to the side of the housing. A rubber buffer prevents the surface from being damaged.



26
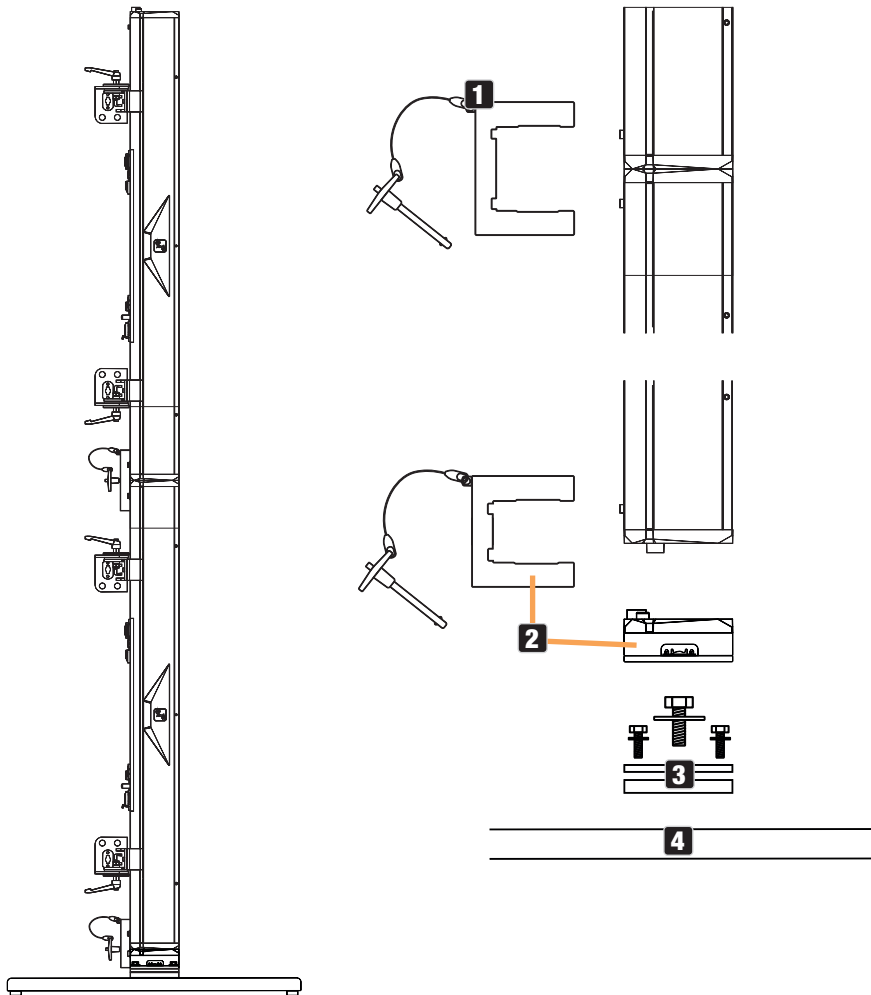
## FROST FILTER

A standard frost filter is included in the packaging content of the PIXBAR® G2. To insert the frost filter into the provided holder (1) of the bar, open the sliding latch at one end of the bar (2, slide down the handle). After inserting the frost filter into the holder, close the latch again to prevent the filter from falling out.
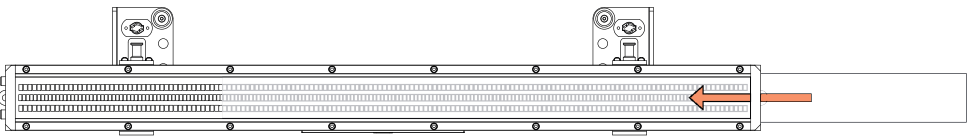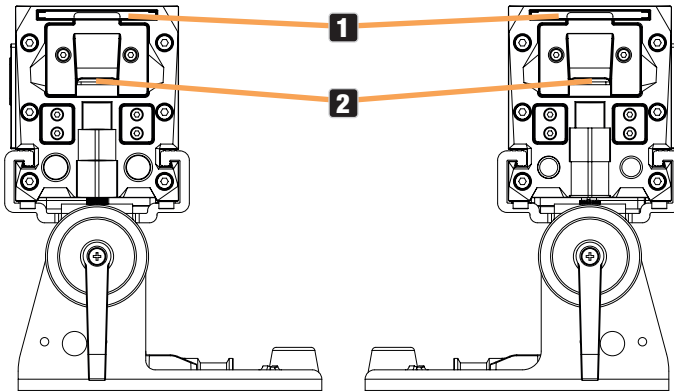


## GLARE SHIELD

A glare shield is included in the packaging content of the PIXBAR® G2. On both sides of the PIX-BAR® G2 there are three threads on the top edge of the housing (1). Mount the glare shield on the desired side of the PIXBAR® G2 using the three knurled screws (2).

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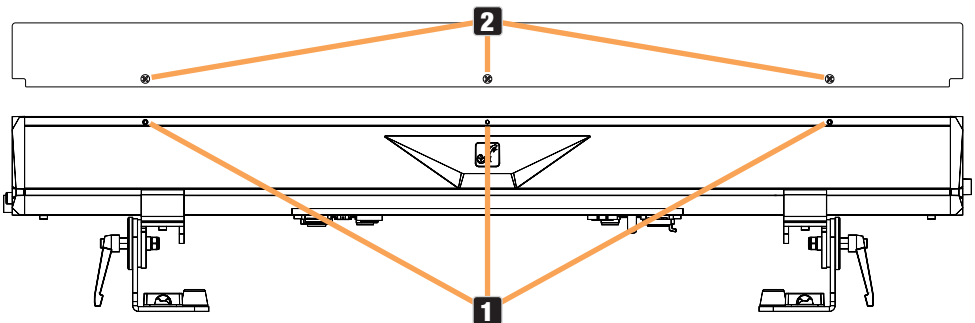
## CARE, MAINTENANCE AND REPAIR

In order to ensure the long-term, proper functioning of the device, it must be regularly cleaned and, if necessary, serviced. The servicing requirement depends on the intensity of use and the environment in which it is used.

A visual inspection should be carried out before each commissioning. In particular, all safety-relevant components, such as connecting elements, fuse points, electrical connections and cables, must be taken into account. Furthermore, we recommend carrying out all the applicable maintenance measures specified below once every 500 operating hours or, in the case of a lower intensity of use, at the latest after one year. Warranty claims may be limited should defects result from inadequate service and maintenance.

### CARE (can be performed by the user)

**WARNING!**
Before carrying out any care or maintenance, the power supply – and, if possible, all device connections – must be disconnected.

**PLEASE NOTE!** Improper care can lead to impairment of the device or even its destruction.

1. Housing surfaces must be cleaned with a clean, damp cloth. Make sure that no moisture can penetrate the device.

2. Air inlets and outlets must be regularly cleaned of dust and dirt. If compressed air is used, make sure that damage to the device is prevented (e.g. fans must be blocked in this case, as they could otherwise over-rev.).

3. Air inlets and outlets must be regularly cleaned of dust and dirt.

4. In general, no cleaning agents or abrasive agents may be used, otherwise the surface finish may be damaged.

5. Devices must be stored in a dry environment and protected from dust and dirt.

6. To ensure correct and safe operation, all accessible or removable lenses and light-emitting apertures must be cleaned regularly.

**DANGER!** There are live components in the device. Even after disconnecting the mains connection, there may still be residual voltage in the device, for example, due to charged capacitors.

**PLEASE NOTE!** There are no user-serviceable assemblies in the device.

**PLEASE NOTE!** Maintenance and repair work may only be carried out by sufficiently qualified specialist personnel. If in doubt, consult a specialist workshop.

**PLEASE NOTE!** Improperly performed maintenance work may affect warranty claims.

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**PLEASE NOTE!** For conversion or retrofit sets provided by the manufacturer, it is essential to observe the enclosed installation instructions.

## OPTIONAL ACCESSORIES

| | | | |
|---|---|---|---|
|  |  |  |  |
| **CLPBG2FILTER55** | **CLPBG2FILTER70** | **CLPBG2FILTER2555** | **CLOMEGABRACKET1** |
| 55° frost filter | 70° frost filter | 25° x 55° Frost filter | Omega mounting bracket |
|  |  |  | |
| **CLPBG2STACKKIT** | **CLPBG2VERTIMOUNT** | **CLPBG2M20ADA** | |
| Connecting element for the secure mechanical connection of two PIXBAR® G2 | Stop set for mounting a PIXBAR® G2 on the Omega mounting bracket CLOMEGA-BRACKET1 and for mounting on the connection set CLPBG-2M20ADA | Connection set for mounting a PIXBAR® G2 on a stand with M20 thread | |

# DIMENSIONS (mm)

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1000

107

1000

1018

90

206

98,5

71,5

178

105

251

162
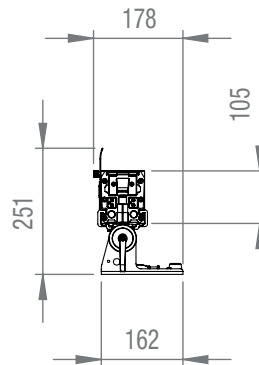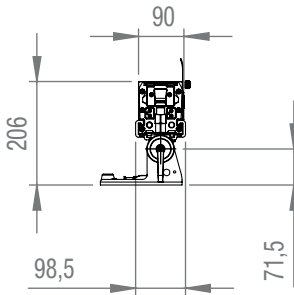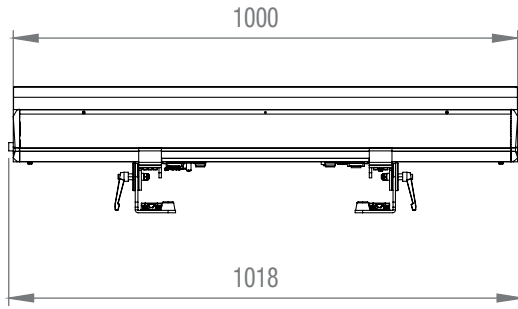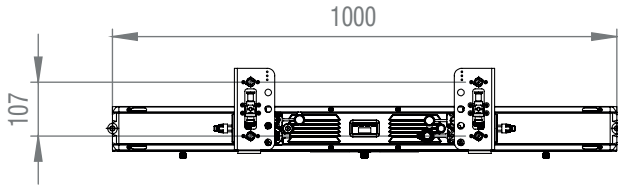
# TECHNICAL SPECIFICATIONS

| Item number | CLPBSMDIPG2 |
|---|---|
| Product category | Static LED light |
| Type | LED Bar |
| Light source | 320 x SMD RGB LED (R: 0.36 W; G: 0.5 W; B: 0.5 W) (@ 32 segments); 192 x SMD White 3 W LED (@ 16 segments) |
| Luminous flux peak (cold) | 8051 lm @ full-on; R: 3735 lm; G: 6267 lm; B: 1192 lm; W: 14190 lm |
| Lense / optic | Acryl bar lens |
| PWM frequency | 650 Hz; 1530 Hz; 3600 Hz; 12000 Hz; 18900 Hz; 25000 Hz |
| Dimmer resolution | 8 / 16 Bit |
| Dimmer curves | Linear, exponential, s-curve, logarithmic |
| Halogen simulation | Dimmer response LED; Dimmer response halogen |
| Strobe | 0 Hz - 20 Hz |
| CRI | White LED: >73; RGB LED: >70 |
| Beam angle / field angle | 72° /  94° Full On; 84° / 96° RGB; 70° / 76° White (Centerline) |
| LED color | Red 636 nm; Green 517 nm; Blue 455 nm; White 6618 K |
| Color mixing | RGB; separate White |
| Color control modes | RGB (direct); CCT |
| CCT | 2100 K - 8000 K |
| Calibration | Raw; user |
| Control protocols | DMX; RDM; Wireless; Stand-Alone; Master-Slave; EZ-Remote |
| Data connections | 5-Pin XLR in/out IP65; Wireless DMX |
| DMX modes | 6-channel Direct, 9-channel Strobe, 13-channel Direct, 23-channel Pattern, 29-channel Pattern, 51-channel Strobe RGB Pixel, 64-channel Pixel, 68-channel Pixel Strobe, 73-channel Pixel Strobe, 99-channel Strobe RGB Pixel, 112-channel Pixel, 116-channel Pixel Strobe, 121-channel Pixel Strobe, D7-channel Strobe and D8-channel Strobe DMX control |
| DMX functions | Dimmer; Dimmer fine; Strobe Functions; Strobe Duration; Red; Green; Blue; Color Temperature; Center Dimmer; Center Dimmer fine; Center Strobe; Center Strobe Duration; Center Pattern Selection; Center Pattern Speed; Pattern Selection; Pattern Position & Speed; Background Dimmer; Background Dimmer fine; Background Strobe; Background Strobe Duration; Background Red; Background Green; Background Blue; Background Color Temperature; Device Settings; Red Top 1; Green Top 1; Blue Top 1; ... ; Red Top 16; Green Top 16; Blue Top 16; Red Bottom 1; Green Bottom 1; Blue Bottom 1; ... ; Red Bottom 16; Green Bottom 16; Blue Bottom 16; White 1; ... ; White 16; DMX-Delay |
| RDM functions | Cameo standard RDM functions |
| Stand alone | Direct; Play Scene/Loop; Master; Alone; Slave; Timer |

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| System settings | Wireless: State; Signal Routing; Linking; Operation Mode. Display: Reverse; Autolock; Off Timer. Dimmer: Curve; PWM; Response. Signal |
| System settings | Fail: Hold; Last Stand Alone; Fade to Black; Scene 1; Full. Pixel Mirror: Off; Horizontal; Vertical; Horizontal & Vertical. Store Default: User A; User B; User C |
| User interface | 4-button: MENU; ENTER; UP; DOWN |
| Display | 2 row OLED |
| IP rating | IP65 for temporary outdoor use |
| Ambient temperature rating (in operation) | T -20°C - 45°C (unit operational) -10°C - 45°C (display operational) |
| Humidity | Up to 100% (non condensing) |
| Cooling system | Passive convection, fanless |
| Noise level | Noise free |
| Operation voltage | 100 V AC - 240 V AC; 50 Hz - 60 Hz |
| Max. current | 0.77 A @ 230 V; 1.62 A @ 110 V |
| Inrush current | 42 A @ 0.18 ms |
| Max. power consumption | 180 W @ 230 V / 110 V |
| Standby power | 9 W |
| Power factor | 0.99 @ 110V; 0.97 @ 240V |
| Power connectors | Seetronic IP65 In + Out |
| Power link | Up to 14 units @ 230 V; up to 6 units @ 110 V |
| Risk group | 2 |
| Minimum distance to the illuminated surface | 0.3 m |
| Minimum distance to normal flammable materials | 0.017 m |
| Housing | String cast aluminium, black powder coated |
| Dimensions w/h/d | 1018 mm (1000 mm when units are linked) x 206 mm x 178 mm |
| Weight | 12.5 kg |
| RDM UID | 0x08A4004F 0000-FFFF |

## EXPLANATION OF IP PROTECTION CLASS

1. An IP rating only reflects protection from solid objects and water. It does not describe general weather resistance, such as protection from UV radiation and temperature, etc.

2. The first digit indicates protection from dust, solid objects and contact:

| IP2X | Protected against solid foreign bodies ≥ 12.5 mm in diameter |
| IP3X | Protected against solid foreign bodies ≥ 2.5 mm in diameter |
| IP4X | Protected against solid foreign bodies ≥ 1.0 mm in diameter |
| IP5X | Protected against dust in harmful quantities and completely protected against contact |

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| IP6X | Are dust-tight and completely protected against contact |

3. The second digit indicates protection from water:

| IPX0 | No protection |
| IPX1 | Protection against dripping water |
| IPX2 | Protection against dripping water when the device is tilted up to 15° |
| IPX3 | Protection against falling spray water up to 60° from the vertical |
| IPX4 | Protection against splashing water on all sides |
| IPX5 | Protection against water jets (nozzle) from any angle |
| IPX6 | Protection against strong water jets |
| IPX7 | Protection against temporary immersion |

4. In addition, some device-specific measures such as covers and sealing caps are necessary in order to achieve the specified protection class (e.g. protective caps on unused connections).

The IP rating of the product can be found in the technical specifications and is printed on the device.

## MINIMUM DISTANCE TO ILLUMINATED SURFACE
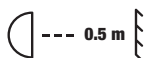
This symbol with distance information in metres (m) indicates the minimum distance of the luminaire to the illuminated surface. In this example, the distance is 0.5 m. The value valid for this unit can be found in the technical data in this manual and in the imprint on the unit housing!

## MINIMUM DISTANCE TO NORMALLY FLAMMABLE MATERIALS

This symbol with distance indication in metres (m) indicates the minimum distance of the device to normally flammable materials. In this example, the distance is 0.5 m. For the value valid for this unit, please refer to the technical data in this manual!

## DISPOSAL

**PACKAGING:**

1. Packaging can be recycled using the usual disposal methods.

2. Please separate the packaging in accordance with the disposal laws and recycling regulations in your country.

**DEVICE:**

1. This device is subject to the European Directive on Waste Electrical and Electronic Equipment as amended. WEEE Directive Waste Electrical and Electronic Equipment. Electronic devices do not belong in household waste. The old device must be disposed of via an approved disposal company or a municipal disposal facility. Please observe the applicable regulations in your country!

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**DEVICE:**

2. Observe all disposal laws applicable in your country.

3. As a private customer, you can obtain information on environmentally-friendly disposal options from the seller of the product or the appropriate regional authorities.

## MANUFACTURER'S DECLARATIONS

### Manufacturer's warranty & limitation of liability

Adam Hall GmbH | Adam-Hall-Str.1 | 61267 Neu-Anspach | Germany

E-mail: Info@adamhall.com / +49 (0)6081 / 9419-0

Our current warranty conditions and limitation of liability can be found at:

https://cdn-shop.adamhall.com/media/pdf/Manufacturers-Declarations-CAMEO_DE_EN_ES_FR.pdf

For service requests, please contact your distribution partner.

### CE conformity

Adam Hall GmbH hereby confirms that this product meets the following guidelines

(where applicable):

Low-Voltage Directive (2014/35/EU)

EMC Directive (2014/30/EU)

RoHS (2011/65/EU)

RED (2014/53/EU)

### EC Declaration of Conformity

Declarations of conformity for products subject to the LVD, EMC, RoHS Directive can be requested from info@adamhall.com

Declarations of conformity for products subject to RED can be downloaded from www.adamhall.com/compliance/

**Subject to misprints and errors, as well as technical or other modifications!**

## DMX CONTROL / DMX STEUERUNG / PILOTAGE DMX / CONTROL DMX / STEROWANIE DMX / CONTROLLO

| 6CH Direct Channel | 9CH Strobe Channel | Function | Values | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | Dimmer | 000 | - | 255 | 0% to 100% |
| 2 | 2 | Strobe Functions | 000 | - | 005 | Open |
| | | | 006 | - | 010 | Closed |
| | | | 011 | - | 022 | Ramp up/down slow to fast |
| | | | 023 | - | 033 | Ramp up/down random slow to fast |
| | | | 034 | - | 045 | Ramp up slow to fast |
| | | | 046 | - | 056 | Ramp up random slow to fast |
| | | | 057 | - | 068 | Ramp down slow to fast |
| | | | 069 | - | 079 | Ramp down random slow to fast |
| | | | 080 | - | 102 | Random Strobe effect slow to fast |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) |
| | | | 251 | - | 255 | Open |
| | 3 | Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) |
| 3 | 4 | Red | 000 | - | 255 | 0% to 100% |
| 4 | 5 | Green | 000 | - | 255 | 0% to 100% |
| 5 | 6 | Blue | 000 | - | 255 | 0% to 100% |
| 6 | 7 | Center Dimmer | 000 | - | 255 | 0% to 100% |
| | 8 | Center Strobe | 000 | - | 005 | Open |
| | | | 006 | - | 010 | Closed |
| | | | 011 | - | 022 | Ramp up/down slow to fast |
| | | | 023 | - | 033 | Ramp up/down random slow to fast |
| | | | 034 | - | 045 | Ramp up slow to fast |
| | | | 046 | - | 056 | Ramp up random slow to fast |
| | | | 057 | - | 068 | Ramp down slow to fast |
| | | | 069 | - | 079 | Ramp down random slow to fast |

| | 8 | Center Strobe | 080 | - | 102 | Random Strobe effect slow to fast |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) |
| | | | 251 | - | 255 | Open |
| | 9 | Center Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) |

**13CH Direct**

| Channel | Function | Values | | | | Subgroup |
|---|---|---|---|---|---|---|
| 1 | Dimmer | 000 | - | 255 | 0% to 100% | Dimmer |
| 2 | Strobe Functions | 000 | - | 005 | Open | Multi-functional Strobe |
| | | 006 | - | 010 | Closed | |
| | | 011 | - | 022 | Ramp up/down slow to fast | |
| | | 023 | - | 033 | Ramp up/down random slow to fast | |
| | | 034 | - | 045 | Ramp up slow to fast | |
| | | 046 | - | 056 | Ramp up random slow to fast | |
| | | 057 | - | 068 | Ramp down slow to fast | |
| | | 069 | - | 079 | Ramp down random slow to fast | |
| | | 080 | - | 102 | Random Strobe effect slow to fast | |
| | | 103 | - | 127 | Strobe Break effect 5s to 1s (Short burst with break) | |
| | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | |
| | | 251 | - | 255 | Open | |
| 3 | Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) | |
| 4 | Red | 000 | - | 255 | 0% to 100% | Additive Color Mixing |
| 5 | Green | 000 | - | 255 | 0% to 100% | |
| 6 | Blue | 000 | - | 255 | 0% to 100% | |
| 7 | Color Temperature (affects Color Mixing) | 000 | - | 005 | Off | CCT |
| | | 006 | - | 006 | Warm white | |
| | | 007 | - | 046 | Warm white to 2700K | |
| | | 047 | - | 047 | Bulb White (2700K) | |
| | | 048 | - | 087 | 2700K to 3200K | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 7 | Color Temperature (affects Color Mixing) | 088 | - | 088 | Halogen White (3200K) | CCT |
| | | 089 | - | 128 | 3200K to 4000K | |
| | | 129 | - | 129 | Neutral White (4000K) | |
| | | 130 | - | 169 | 4000K to 5600K | |
| | | 170 | - | 170 | Studio White (5600K) | |
| | | 171 | - | 210 | 5600K to 6500K | |
| | | 211 | - | 211 | Daylight White (6500K) | |
| | | 212 | - | 251 | 6500K to Cold white | |
| | | 252 | - | 255 | Cold white | |
| 8 | Color Presets (override Color Mixing & Color Temperature) | 000 | - | 005 | No function | Color Presets |
| | | 006 | - | 009 | 46 Dark Magenta | |
| | | 010 | - | 013 | 29 Plasa Red | |
| | | 014 | - | 017 | 26 Bright Red | |
| | | 018 | - | 021 | 127 Smokey Pink | |
| | | 022 | - | 025 | 36 Medium Pink | |
| | | 026 | - | 029 | 19 Fire | |
| | | 030 | - | 033 | 135 Deep Golden Amber | |
| | | 034 | - | 037 | 778 Millennium Gold | |
| | | 038 | - | 041 | 21 Gold Amber | |
| | | 042 | - | 045 | 157 Pink | |
| | | 046 | - | 049 | 110 Middle Rose | |
| | | 050 | - | 053 | 109 Light Salmon | |
| | | 054 | - | 057 | 35 Light Pink | |
| | | 058 | - | 061 | 134 Golden Amber | |
| | | 062 | - | 065 | 17 Surprise Peach | |
| | | 066 | - | 069 | 746 Brown | |
| | | 070 | - | 073 | 105 Orange | |
| | | 074 | - | 077 | 20 Medium Amber | |
| | | 078 | - | 081 | 768 Egg Yolk Yellow | |
| | | 082 | - | 085 | 15 Deep Straw | |
| | | 086 | - | 089 | 767 Nectarine | |
| | | 090 | - | 093 | 101 Yellow | |
| | | 094 | - | 097 | 100 Spring Yellow | |
| | | 098 | - | 101 | 88 Lime Green | |
| | | 102 | - | 105 | 121 LEE Green | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 106 | - | 109 | 738 Jas Green | |
| | | 110 | - | 113 | 89 Moss Green | |
| | | 114 | - | 117 | 139 Primary Green | |
| | | 118 | - | 121 | 124 Dark Green | |
| | | 122 | - | 125 | 323 Jade | |
| | | 126 | - | 129 | 354 Special Steel Blue | |
| | | 130 | - | 133 | 116 Medium Blue-Green | |
| | | 134 | - | 137 | 183 Moonlight Blue | |
| | | 138 | - | 141 | 132 Medium Blue | |
| | | 142 | - | 145 | 119 Dark Blue | |
| | | 146 | - | 149 | 716 Mikkel Blue | |
| | | 150 | - | 153 | 71 Tokyo Blue | |
| | | 154 | - | 157 | 181 Congo Blue | |
| | | 158 | - | 161 | 799 Special KH Lavender | |
| | | 162 | - | 165 | 707 Ultimate Violet | |
| | Color Presets (override Color Mixing & Color Temperature) | 166 | - | 169 | 343 Special Medium Lavender | |
| 8 | | 170 | - | 173 | 798 Chrysalis Pink | Color Presets |
| | | 174 | - | 177 | 701 Provence | |
| | | 178 | - | 181 | 797 Deep Purple | |
| | | 182 | - | 185 | 48 Rose Purple | |
| | | 186 | - | 189 | 345 Fuchsia Pink | |
| | | 190 | - | 193 | 795 Magical Magenta | |
| | | 194 | - | 197 | 128 Bright Pink | |
| | | 198 | - | 201 | 2 Rose Pink | |
| | | 202 | - | 207 | User Color 1 | |
| | | 208 | - | 213 | User Color 2 | |
| | | 214 | - | 219 | User Color 3 | |
| | | 220 | - | 225 | User Color 4 | |
| | | 226 | - | 231 | User Color 5 | |
| | | 232 | - | 237 | User Color 6 | |
| | | 238 | - | 243 | User Color 7 | |
| | | 244 | - | 249 | User Color 8 | |
| | | 250 | - | 255 | No function | |

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| 9 | Color Cross-fade (affects CCT and Color Presets) | 000 | - | 005 | 0s (Off) | Crossfade |
|---|---|---|---|---|---|---|
| | | 006 | - | 105 | 0,1s - 10s (0,1s Steps) | |
| | | 106 | - | 214 | 11s - 119s (1s Steps) | |
| | | 215 | - | 244 | 2m - 4m50s (10s Steps) | |
| | | 245 | - | 255 | 5m - 15m (1m Steps) | |
| 10 | Center Dimmer | 000 | - | 255 | 0% to 100% | Center Dimmer |
| 11 | Center Strobe | 000 | - | 005 | Open | Multi-functional Strobe Center LEDs |
| | | 006 | - | 010 | Closed | |
| | | 011 | - | 022 | Ramp up/down slow to fast | |
| | | 023 | - | 033 | Ramp up/down random slow to fast | |
| | | 034 | - | 045 | Ramp up slow to fast | |
| | | 046 | - | 056 | Ramp up random slow to fast | |
| | | 057 | - | 068 | Ramp down slow to fast | |
| | | 069 | - | 079 | Ramp down random slow to fast | |
| | | 080 | - | 102 | Random Strobe effect slow to fast | |
| | | 103 | - | 127 | Strobe Break effect 5s to 1s (Short burst with break) | |
| | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | |
| | | 251 | - | 255 | Open | |
| 12 | Center Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) | |
| 13 | Device settings (all settings executed are after holding value for 3 seconds) (please read remark 1*) | 000 | - | 057 | No function | |
| | | 058 | - | 059 | Pixel Mirroring Off | Pixel Mirroring |
| | | 060 | - | 061 | Pixel Mirroring Vertical | |
| | | 062 | - | 063 | Pixel Mirroring Horizontal | |
| | | 064 | - | 065 | Pixel Mirroring Vertical + Horizontal | |
| | | 066 | - | 073 | No function | |
| | | 074 | - | 075 | Dimmer Response LED | Dimming |
| | | 076 | - | 077 | Dimmer Response Halogen | |
| | | 078 | - | 119 | No function | |
| | | 120 | - | 121 | PWM 1 (650 Hz) | PWM Frequency |
| | | 122 | - | 123 | PWM 2 (1530 Hz) | |
| | | 124 | - | 125 | PWM 3 (3600 Hz) | |
| | | 126 | - | 127 | PWM 4 (12000 Hz) | |

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| | | 128 | - | 129 | PWM 5 (18900 Hz) | PWM Frequency |
|---|---|---|---|---|---|---|
| | | 130 | - | 131 | PWM 6 (25000 Hz) | |
| | | 132 | - | 139 | No function | |
| | | 140 | - | 141 | Display Always On | Display Functions |
| | | 142 | - | 143 | Display Off after 20s | |
| | | 144 | - | 163 | No function | |
| 13 | Device settings (all settings executed are after holding value for 3 seconds) (please read remark 1*) | 164 | - | 165 | Dimmer Curve Linear | Dimmer Curve |
| | | 166 | - | 167 | Dimmer Curve Exponential | |
| | | 168 | - | 169 | Dimmer Curve Logarithmic | |
| | | 170 | - | 171 | Dimmer Curve S-Curve | |
| | | 172 | - | 239 | No function | |
| | | 240 | - | 241 | Load Factory Defaults | Load Default |
| | | 242 | - | 243 | Load Factory Defaults (without User Colors & Loops) | |
| | | 244 | - | 245 | Load User Default A | |
| | | 246 | - | 247 | Load User Default B | |
| | | 248 | - | 249 | Load User Default C | |
| | | 250 | - | 255 | No function | |

| 23CH Pattern Channel | 29CH Pattern Channel | Function | Values | | | | Subgroup |
|---|---|---|---|---|---|---|---|
| 1 | 1 | Dimmer | 000 | - | 255 | 0% to 100% | Dimmer |
| | 2 | Dimmer fine | 000 | - | 255 | | |
| 2 | 3 | Strobe Functions | 000 | - | 005 | Open | Multi-functional Strobe |
| | | | 006 | - | 010 | Closed | |
| | | | 011 | - | 022 | Ramp up/down slow to fast | |
| | | | 023 | - | 033 | Ramp up/down random slow to fast | |
| | | | 034 | - | 045 | Ramp up slow to fast | |
| | | | 046 | - | 056 | Ramp up random slow to fast | |
| | | | 057 | - | 068 | Ramp down slow to fast | |
| | | | 069 | - | 079 | Ramp down random slow to fast | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 3 | Strobe Functions | 080 | - | 102 | Random Strobe effect slow to fast | Multi-functional Strobe |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) | |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | |
| | | | 251 | - | 255 | Open | |
| | 4 | Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) | |
| 3 | 5 | Red | 000 | - | 255 | 0% to 100% | Additive Color Mixing |
| 4 | 6 | Green | 000 | - | 255 | 0% to 100% | |
| 5 | 7 | Blue | 000 | - | 255 | 0% to 100% | |
| 6 | 8 | Color Temperature (affects Color Mixing) | 000 | - | 005 | Off | CCT |
| | | | 006 | - | 006 | Warm white | |
| | | | 007 | - | 046 | Warm white to 2700K | |
| | | | 047 | - | 047 | Bulb White (2700K) | |
| | | | 048 | - | 087 | 2700K to 3200K | |
| | | | 088 | - | 088 | Halogen White (3200K) | |
| | | | 089 | - | 128 | 3200K to 4000K | |
| | | | 129 | - | 129 | Neutral White (4000K) | |
| | | | 130 | - | 169 | 4000K to 5600K | |
| | | | 170 | - | 170 | Studio White (5600K) | |
| | | | 171 | - | 210 | 5600K to 6500K | |
| | | | 211 | - | 211 | Daylight White (6500K) | |
| | | | 212 | - | 251 | 6500K to Cold white | |
| | | | 252 | - | 255 | Cold white | |
| 7 | 9 | Color Presets (override Color Mixing & Color Temperature) | 000 | - | 005 | No function | Color Presets |
| | | | 006 | - | 009 | 46 Dark Magenta | |
| | | | 010 | - | 013 | 29 Plasa Red | |
| | | | 014 | - | 017 | 26 Bright Red | |
| | | | 018 | - | 021 | 127 Smokey Pink | |
| | | | 022 | - | 025 | 36 Medium Pink | |
| | | | 026 | - | 029 | 19 Fire | |
| | | | 030 | - | 033 | 135 Deep Golden Amber | |
| | | | 034 | - | 037 | 778 Millennium Gold | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | 038 | - | 041 | 21 Gold Amber | |
| | | | 042 | - | 045 | 157 Pink | |
| | | | 046 | - | 049 | 110 Middle Rose | |
| | | | 050 | - | 053 | 109 Light Salmon | |
| | | | 054 | - | 057 | 35 Light Pink | |
| | | | 058 | - | 061 | 134 Golden Amber | |
| | | | 062 | - | 065 | 17 Surprise Peach | |
| | | | 066 | - | 069 | 746 Brown | |
| | | | 070 | - | 073 | 105 Orange | |
| | | | 074 | - | 077 | 20 Medium Amber | |
| | | | 078 | - | 081 | 768 Egg Yolk Yellow | |
| | | | 082 | - | 085 | 15 Deep Straw | |
| | | | 086 | - | 089 | 767 Nectarine | |
| | | | 090 | - | 093 | 101 Yellow | |
| | | | 094 | - | 097 | 100 Spring Yellow | |
| | | Color Presets (override Color Mixing & Color Temperature) | 098 | - | 101 | 88 Lime Green | |
| | | | 102 | - | 105 | 121 LEE Green | |
| 7 | 9 | | 106 | - | 109 | 738 Jas Green | Color Presets |
| | | | 110 | - | 113 | 89 Moss Green | |
| | | | 114 | - | 117 | 139 Primary Green | |
| | | | 118 | - | 121 | 124 Dark Green | |
| | | | 122 | - | 125 | 323 Jade | |
| | | | 126 | - | 129 | 354 Special Steel Blue | |
| | | | 130 | - | 133 | 116 Medium Blue-Green | |
| | | | 134 | - | 137 | 183 Moonlight Blue | |
| | | | 138 | - | 141 | 132 Medium Blue | |
| | | | 142 | - | 145 | 119 Dark Blue | |
| | | | 146 | - | 149 | 716 Mikkel Blue | |
| | | | 150 | - | 153 | 71 Tokyo Blue | |
| | | | 154 | - | 157 | 181 Congo Blue | |
| | | | 158 | - | 161 | 799 Special KH Lavender | |
| | | | 162 | - | 165 | 707 Ultimate Violet | |
| | | | 166 | - | 169 | 343 Special Medium Lavender | |
| | | | 170 | - | 173 | 798 Chrysalis Pink | |

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|---|---|---|---|---|---|---|---|
| 7 | 9 | Color Presets (override Color Mixing & Color Temperature) | 174 | - | 177 | 701 Provence | Color Presets |
| | | | 178 | - | 181 | 797 Deep Purple | |
| | | | 182 | - | 185 | 48 Rose Purple | |
| | | | 186 | - | 189 | 345 Fuchsia Pink | |
| | | | 190 | - | 193 | 795 Magical Magenta | |
| | | | 194 | - | 197 | 128 Bright Pink | |
| | | | 198 | - | 201 | 2 Rose Pink | |
| | | | 202 | - | 207 | User Color 1 | |
| | | | 208 | - | 213 | User Color 2 | |
| | | | 214 | - | 219 | User Color 3 | |
| | | | 220 | - | 225 | User Color 4 | |
| | | | 226 | - | 231 | User Color 5 | |
| | | | 232 | - | 237 | User Color 6 | |
| | | | 238 | - | 243 | User Color 7 | |
| | | | 244 | - | 249 | User Color 8 | |
| | | | 250 | - | 255 | No function | |
| 8 | 10 | Color Crossfade (affects, CCT and Color Presets) | 000 | - | 005 | 0s (Off) | Color Crossfade |
| | | | 006 | - | 105 | 0,1s - 10s (0,1s Steps) | |
| | | | 106 | - | 214 | 11s - 119s (1s Steps) | |
| | | | 215 | - | 244 | 2m - 4m50s (10s Steps) | |
| | | | 245 | - | 255 | 5m - 15m (1m Steps) | |
| 9 | 11 | Center Dimmer | 000 | - | 255 | 0% to 100% | Center Dimmer |
| | 12 | Center Dimmer fine | 001 | - | 255 | | |
| 10 | 13 | Center Strobe | 000 | - | 005 | Open | Multi-functional Strobe Center LEDs |
| | | | 006 | - | 010 | Closed | |
| | | | 011 | - | 022 | Ramp up/down slow to fast | |
| | | | 023 | - | 033 | Ramp up/down random slow to fast | |
| | | | 034 | - | 045 | Ramp up slow to fast | |
| | | | 046 | - | 056 | Ramp up random slow to fast | |
| | | | 057 | - | 068 | Ramp down slow to fast | |

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| 10 | 13 | Center Strobe | 069 | - | 079 | Ramp down random slow to fast | Multi-functional Strobe Center LEDs |
| | | | 080 | - | 102 | Random Strobe effect slow to fast | |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) | |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | |
| | | | 251 | - | 255 | Open | |
| | 14 | Center Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) | |
| 11 | 15 | Center Pattern Selection | 000 | - | 005 | Off | Center Pattern |
| | | | 006 | - | 026 | 1 | |
| | | | 027 | - | 047 | 2 | |
| | | | 048 | - | 068 | 3 | |
| | | | 069 | - | 089 | 4 | |
| | | | 090 | - | 110 | 5 | |
| | | | 111 | - | 131 | 6 | |
| | | | 132 | - | 152 | 7 | |
| | | | 153 | - | 173 | 8 | |
| | | | 174 | - | 194 | 9 | |
| | | | 195 | - | 215 | 10 | |
| | | | 216 | - | 236 | 11 | |
| | | | 237 | - | 255 | 12 | |
| 12 | 16 | Center Pattern Speed | 000 | - | 005 | Center Pattern Speed Stop | |
| | | | 006 | - | 063 | Center Pattern Speed slow to fast (Chase) | |
| | | | 064 | - | 127 | Center Pattern Speed fast to slow (Chase) (backwards) | |
| | | | 128 | - | 127 | Center Pattern Speed slow to fast (Fade) | |
| | | | 192 | - | 255 | Center Pattern Speed fast to slow (Fade) (backwards) | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 13 | 17 | Pattern Selection | 000 | - | 005 | Off | Pattern |
| | | | 006 | - | 026 | 1 | |
| | | | 027 | - | 047 | 2 | |
| | | | 048 | - | 068 | 3 | |
| | | | 069 | - | 089 | 4 | |
| | | | 090 | - | 110 | 5 | |
| | | | 111 | - | 131 | 6 | |
| | | | 132 | - | 152 | 7 | |
| | | | 153 | - | 173 | 8 | |
| | | | 174 | - | 194 | 9 | |
| | | | 195 | - | 215 | 10 | |
| | | | 216 | - | 236 | 11 | |
| | | | 237 | - | 255 | 12 | |
| 14 | 18 | Pattern Position & Speed | 000 | - | 005 | Pattern Speed Stop | |
| | | | 006 | - | 063 | Pattern Speed slow to fast (Chase) | |
| | | | 064 | - | 127 | Pattern Speed fast to slow (Chase) (backwards) | |
| | | | 128 | - | 127 | Pattern Speed slow to fast (Fade) | |
| | | | 192 | - | 255 | Pattern Speed fast to slow (Fade) (backwards) | |
| 15 | 19 | Background Dimmer | 000 | - | 255 | 0% to 100% | Background Dimmer |
| | 20 | Background Dimmer fine | 000 | - | 255 | | |
| 16 | 21 | Background Strobe | 000 | - | 005 | Open | Background Strobe |
| | | | 006 | - | 010 | Closed | |
| | | | 011 | - | 022 | Ramp up/down slow to fast | |
| | | | 023 | - | 033 | Ramp up/down random slow to fast | |
| | | | 034 | - | 045 | Ramp up slow to fast | |
| | | | 046 | - | 056 | Ramp up random slow to fast | |
| | | | 057 | - | 068 | Ramp down slow to fast | |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16 | 21 | Background Strobe | 069 | - | 079 | Ramp down random slow to fast | Background Strobe |
| | | | 080 | - | 102 | Random Strobe effect slow to fast | |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (Short burst with break) | |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | |
| | | | 251 | - | 255 | Open | |
| | 22 | Background Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) | |
| 17 | 23 | Background Red | 000 | - | 255 | 0% to 100% | Background Color Mixing |
| 18 | 24 | Background Green | 000 | - | 255 | 0% to 100% | |
| 19 | 25 | Background Blue | 000 | - | 255 | 0% to 100% | |
| 20 | 26 | Background Color Temperature (affects Background Color Mixing) | 000 | - | 005 | Off | Background CCT |
| | | | 006 | - | 006 | Warm white | |
| | | | 007 | - | 046 | Warm white to 2700K | |
| | | | 047 | - | 047 | Bulb White (2700K) | |
| | | | 048 | - | 087 | 2700K to 3200K | |
| | | | 088 | - | 088 | Halogen White (3200K) | |
| | | | 089 | - | 128 | 3200K to 4000K | |
| | | | 129 | - | 129 | Neutral White (4000K) | |
| | | | 130 | - | 169 | 4000K to 5600K | |
| | | | 170 | - | 170 | Studio White (5600K) | |
| | | | 171 | - | 210 | 5600K to 6500K | |
| | | | 211 | - | 211 | Daylight White (6500K) | |
| | | | 212 | - | 251 | 6500K to Cold white | |
| | | | 252 | - | 255 | Cold white | |

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|---|---|---|---|---|---|---|---|
| 21 | 27 | Background Color Presets (override Backround Color Mixing & Backround Color Tem- perature) | 000 | - | 005 | No function | Background Color Presets |
| | | | 006 | - | 009 | 46 Dark Magenta | |
| | | | 010 | - | 013 | 29 Plasa Red | |
| | | | 014 | - | 017 | 26 Bright Red | |
| | | | 018 | - | 021 | 127 Smokey Pink | |
| | | | 022 | - | 025 | 36 Medium Pink | |
| | | | 026 | - | 029 | 19 Fire | |
| | | | 030 | - | 033 | 135 Deep Golden Amber | |
| | | | 034 | - | 037 | 778 Millennium Gold | |
| | | | 038 | - | 041 | 21 Gold Amber | |
| | | | 042 | - | 045 | 157 Pink | |
| | | | 046 | - | 049 | 110 Middle Rose | |
| | | | 050 | - | 053 | 109 Light Salmon | |
| | | | 054 | - | 057 | 35 Light Pink | |
| | | | 058 | - | 061 | 134 Golden Amber | |
| | | | 062 | - | 065 | 17 Surprise Peach | |
| | | | 066 | - | 069 | 746 Brown | |
| | | | 070 | - | 073 | 105 Orange | |
| | | | 074 | - | 077 | 20 Medium Amber | |
| | | | 078 | - | 081 | 768 Egg Yolk Yellow | |
| | | | 082 | - | 085 | 15 Deep Straw | |
| | | | 086 | - | 089 | 767 Nectarine | |
| | | | 090 | - | 093 | 101 Yellow | |
| | | | 094 | - | 097 | 100 Spring Yellow | |
| | | | 098 | - | 101 | 88 Lime Green | |
| | | | 102 | - | 105 | 121 LEE Green | |
| | | | 106 | - | 109 | 738 Jas Green | |
| | | | 110 | - | 113 | 89 Moss Green | |
| | | | 114 | - | 117 | 139 Primary Green | |
| | | | 118 | - | 121 | 124 Dark Green | |
| | | | 122 | - | 125 | 323 Jade | |
| | | | 126 | - | 129 | 354 Special Steel Blue | |
| | | | 130 | - | 133 | 116 Medium Blue-Green | |
| | | | 134 | - | 137 | 183 Moonlight Blue | |
| | | | 138 | - | 141 | 132 Medium Blue | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 21 | 27 | Background Color Presets (override Backround Color Mixing & Backround Color Temperature) | 142 | - | 145 | 119 Dark Blue | Background Color Presets | |
| | | | 146 | - | 149 | 716 Mikkel Blue | | |
| | | | 150 | - | 153 | 71 Tokyo Blue | | |
| | | | 154 | - | 157 | 181 Congo Blue | | |
| | | | 158 | - | 161 | 799 Special KH Lavender | | |
| | | | 162 | - | 165 | 707 Ultimate Violet | | |
| | | | 166 | - | 169 | 343 Special Medium Lavender | | |
| | | | 170 | - | 173 | 798 Chrysalis Pink | | |
| | | | 174 | - | 177 | 701 Provence | | |
| | | | 178 | - | 181 | 797 Deep Purple | | |
| | | | 182 | - | 185 | 48 Rose Purple | | |
| | | | 186 | - | 189 | 345 Fuchsia Pink | | |
| | | | 190 | - | 193 | 795 Magical Magenta | | |
| | | | 194 | - | 197 | 128 Bright Pink | | |
| | | | 198 | - | 201 | 2 Rose Pink | | |
| | | | 202 | - | 207 | User Color 1 | | |
| | | | 208 | - | 213 | User Color 2 | | |
| | | | 214 | - | 219 | User Color 3 | | |
| | | | 220 | - | 225 | User Color 4 | | |
| | | | 226 | - | 231 | User Color 5 | | |
| | | | 232 | - | 237 | User Color 6 | | |
| | | | 238 | - | 243 | User Color 7 | | |
| | | | 244 | - | 249 | User Color 8 | | |
| | | | 250 | - | 255 | No function | | |
| 22 | 28 | Background Color Cross-fade (affects Backround CCT and Backround Color Pre-sets) | 000 | - | 005 | 0s (Off) | Background Color Crossfade | |
| | | | 006 | - | 105 | 0,1s - 10s (0,1s Steps) | | |
| | | | 106 | - | 214 | 11s - 119s (1s Steps) | | |
| | | | 215 | - | 244 | 2m - 4m50s (10s Steps) | | |
| | | | 245 | - | 255 | 5m - 15m (1m Steps) | | |

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|---|---|---|---|---|---|---|---|
| 23 | 29 | Device Settings (all settings executed are after holding value for 3 seconds) (please read remark 1*) | 000 | - | 057 | No function | |
| | | | 058 | - | 059 | Pixel Mirroring Off | Pixel Mirroring |
| | | | 060 | - | 061 | Pixel Mirroring Vertical | |
| | | | 062 | - | 063 | Pixel Mirroring Horizontal | |
| | | | 064 | - | 065 | Pixel Mirroring Vertical + Horizontal | |
| | | | 066 | - | 073 | No function | |
| | | | 074 | - | 075 | Dimmer Response LED | Dimming |
| | | | 076 | - | 077 | Dimmer Response Halogen | |
| | | | 078 | - | 119 | No function | |
| | | | 120 | - | 121 | PWM 1 (650 Hz) | PWM Frequency |
| | | | 122 | - | 123 | PWM 2 (1530 Hz) | |
| | | | 124 | - | 125 | PWM 3 (3600 Hz) | |
| | | | 126 | - | 127 | PWM 4 (12000 Hz) | |
| | | | 128 | - | 129 | PWM 5 (18900 Hz) | |
| | | | 130 | - | 131 | PWM 6 (25000 Hz) | |
| | | | 132 | - | 139 | No function | |
| | | | 140 | - | 141 | Display Always On | Display Functions |
| | | | 142 | - | 143 | Display Off after 20s | |
| | | | 144 | - | 163 | No function | |
| | | | 164 | - | 165 | Dimmer Curve Linear | Dimmer Curve |
| | | | 166 | - | 167 | Dimmer Curve Exponential | |
| | | | 168 | - | 169 | Dimmer Curve Logarithmic | |
| | | | 170 | - | 171 | Dimmer Curve S-Curve | |
| | | | 172 | - | 239 | No function | |
| | | | 240 | - | 241 | Load Factory Defaults | Load Default |
| | | | 242 | - | 243 | Load Factory Defaults (without User Colors & Loops) | |
| | | | 244 | - | 245 | Load User Default A | |
| | | | 246 | - | 247 | Load User Default B | |
| | | | 248 | - | 249 | Load User Default C | |
| | | | 250 | - | 255 | No function | |

| 51CH Strobe RGB Pixel | 64CH Pixel | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Channel | Function | Values | | | | | Subgroup |
| 1 | | Center Dimmer | 000 | - | 255 | 0% to 100% | | Center Dimmer |
| 2 | | Center Strobe | 000 | - | 005 | Open | | Multi-functional Strobe Center LEDs |
| | | | 006 | - | 010 | Closed | | |
| | | | 011 | - | 022 | Ramp up/down slow to fast | | |
| | | | 023 | - | 033 | Ramp up/down random slow to fast | | |
| | | | 034 | - | 045 | Ramp up slow to fast | | |
| | | | 046 | - | 056 | Ramp up random slow to fast | | |
| | | | 057 | - | 068 | Ramp down slow to fast | | |
| | | | 069 | - | 079 | Ramp down random slow to fast | | |
| | | | 080 | - | 102 | Random Strobe effect slow to fast | | |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) | | |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | | |
| | | | 251 | - | 255 | Open | | |
| 3 | | Center Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) | | |
| 4 | 1 | Red 1 | 000 | - | 255 | 0% to 100% | | Top & Bottom Pixel 1 |
| 5 | 2 | Green 1 | 000 | - | 255 | 0% to 100% | | |
| 6 | 3 | Blue 1 | 000 | - | 255 | 0% to 100% | | |
| 7 | 4 | Red 2 | 000 | - | 255 | 0% to 100% | | Top & Bottom Pixel 2 |
| 8 | 5 | Green 2 | 000 | - | 255 | 0% to 100% | | |
| 9 | 6 | Blue 2 | 000 | - | 255 | 0% to 100% | | |

| 10 | 7 | Red 3 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 3 |
| 11 | 8 | Green 3 | 000 | - | 255 | 0% to 100% | |
| 12 | 9 | Blue 3 | 000 | - | 255 | 0% to 100% | |
| 13 | 10 | Red 4 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 4 |
| 14 | 11 | Green 4 | 000 | - | 255 | 0% to 100% | |
| 15 | 12 | Blue 4 | 000 | - | 255 | 0% to 100% | |
| 16 | 13 | Red 5 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 5 |
| 17 | 14 | Green 5 | 000 | - | 255 | 0% to 100% | |
| 18 | 15 | Blue 5 | 000 | - | 255 | 0% to 100% | |
| 19 | 16 | Red 6 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 6 |
| 20 | 17 | Green 6 | 000 | - | 255 | 0% to 100% | |
| 21 | 18 | Blue 6 | 000 | - | 255 | 0% to 100% | |
| 22 | 19 | Red 7 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 7 |
| 23 | 20 | Green 7 | 000 | - | 255 | 0% to 100% | |
| 24 | 21 | Blue 7 | 000 | - | 255 | 0% to 100% | |
| 25 | 22 | Red 8 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 8 |
| 26 | 23 | Green 8 | 000 | - | 255 | 0% to 100% | |
| 27 | 24 | Blue 8 | 000 | - | 255 | 0% to 100% | |
| 28 | 25 | Red 9 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 9 |
| 29 | 26 | Green 9 | 000 | - | 255 | 0% to 100% | |
| 30 | 27 | Blue 9 | 000 | - | 255 | 0% to 100% | |
| 31 | 28 | Red 10 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 10 |
| 32 | 29 | Green 10 | 000 | - | 255 | 0% to 100% | |
| 33 | 30 | Blue 10 | 000 | - | 255 | 0% to 100% | |
| 34 | 31 | Red 11 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 11 |
| 35 | 32 | Green 11 | 000 | - | 255 | 0% to 100% | |
| 36 | 33 | Blue 11 | 000 | - | 255 | 0% to 100% | |
| 37 | 34 | Red 12 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 12 |
| 38 | 35 | Green 12 | 000 | - | 255 | 0% to 100% | |
| 39 | 36 | Blue 12 | 000 | - | 255 | 0% to 100% | |
| 40 | 37 | Red 13 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 13 |
| 41 | 38 | Green 13 | 000 | - | 255 | 0% to 100% | |
| 42 | 39 | Blue 13 | 000 | - | 255 | 0% to 100% | |

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| 43 | 40 | Red 14 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 14 |
| 44 | 41 | Green 14 | 000 | - | 255 | 0% to 100% | |
| 45 | 42 | Blue 14 | 000 | - | 255 | 0% to 100% | |
| 46 | 43 | Red 15 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 15 |
| 47 | 44 | Green 15 | 000 | - | 255 | 0% to 100% | |
| 48 | 45 | Blue 15 | 000 | - | 255 | 0% to 100% | |
| 49 | 46 | Red 16 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 16 |
| 50 | 47 | Green 16 | 000 | - | 255 | 0% to 100% | |
| 51 | 48 | Blue 16 | 000 | - | 255 | 0% to 100% | |
| | 49 | White 1 | 000 | - | 255 | 0% to 100% | White Center Pixel |
| | 50 | White 2 | 000 | - | 255 | 0% to 100% | |
| | 51 | White 3 | 000 | - | 255 | 0% to 100% | |
| | 52 | White 4 | 000 | - | 255 | 0% to 100% | |
| | 53 | White 5 | 000 | - | 255 | 0% to 100% | |
| | 54 | White 6 | 000 | - | 255 | 0% to 100% | |
| | 55 | White 7 | 000 | - | 255 | 0% to 100% | |
| | 56 | White 8 | 000 | - | 255 | 0% to 100% | |
| | 57 | White 9 | 000 | - | 255 | 0% to 100% | |
| | 58 | White 10 | 000 | - | 255 | 0% to 100% | |
| | 59 | White 11 | 000 | - | 255 | 0% to 100% | |
| | 60 | White 12 | 000 | - | 255 | 0% to 100% | |
| | 61 | White 13 | 000 | - | 255 | 0% to 100% | |
| | 62 | White 14 | 000 | - | 255 | 0% to 100% | |
| | 63 | White 15 | 000 | - | 255 | 0% to 100% | |
| | 64 | White 16 | 000 | - | 255 | 0% to 100% | |

| 68CH Pixel Strobe | 73CH Pixel Strobe | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Channel | Function | Values | | | | Subgroup |
| 1 | 1 | Dimmer | 000 | - | 255 | 0% to 100% | Dimmer |
| 2 | 2 | Dimmer fine | 000 | - | 255 | | |
| 3 | 3 | Strobe Functions | 000 | - | 005 | Open | Multi-functional Strobe |
| | | | 006 | - | 010 | Closed | |
| | | | 011 | - | 022 | Ramp up/down slow to fast | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 3 | Strobe Functions | 023 | - | 033 | Ramp up/down random slow to fast | Multi-functional Strobe |
| | | | 034 | - | 045 | Ramp up slow to fast | |
| | | | 046 | - | 056 | Ramp up random slow to fast | |
| | | | 057 | - | 068 | Ramp down slow to fast | |
| | | | 069 | - | 079 | Ramp down random slow to fast | |
| | | | 080 | - | 102 | Random Strobe effect slow to fast | |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) | |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | |
| | | | 251 | - | 255 | Open | |
| | 4 | Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) | |
| | 5 | Center Dimmer | 000 | - | 255 | 0% to 100% | Center Dimmer |
| | 6 | Center Dimmer fine | 001 | - | 255 | | |
| | 7 | Center Strobe | 000 | - | 005 | Open | Multi-functional Strobe Center LEDs |
| | | | 006 | - | 010 | Closed | |
| | | | 011 | - | 022 | Ramp up/down slow to fast | |
| | | | 023 | - | 033 | Ramp up/down random slow to fast | |
| | | | 034 | - | 045 | Ramp up slow to fast | |
| | | | 046 | - | 056 | Ramp up random slow to fast | |
| | | | 057 | - | 068 | Ramp down slow to fast | |
| | | | 069 | - | 079 | Ramp down random slow to fast | |
| | | | 080 | - | 102 | Random Strobe effect slow to fast | |

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| | 7 | Center Strobe | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) | Multi-functional Strobe Center LEDs |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | |
| | | | 251 | - | 255 | Open | |
| | 8 | Center Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) | |
| 4 | 9 | Device Settings (all settings executed are after holding value for 3 seconds) (please read remark 1*) | 000 | - | 057 | No function | |
| | | | 058 | - | 059 | Pixel Mirroring Off | Pixel Mirroring |
| | | | 060 | - | 061 | Pixel Mirroring Vertical | |
| | | | 062 | - | 063 | Pixel Mirroring Horizontal | |
| | | | 064 | - | 065 | Pixel Mirroring Vertical + Horizontal | |
| | | | 066 | - | 073 | No function | |
| | | | 074 | - | 075 | Dimmer Response LED | Dimming |
| | | | 076 | - | 077 | Dimmer Response Halogen | |
| | | | 078 | - | 119 | No function | |
| | | | 120 | - | 121 | PWM 1 (650 Hz) | PWM Frequency |
| | | | 122 | - | 123 | PWM 2 (1530 Hz) | |
| | | | 124 | - | 125 | PWM 3 (3600 Hz) | |
| | | | 126 | - | 127 | PWM 4 (12000 Hz) | |
| | | | 128 | - | 129 | PWM 5 (18900 Hz) | |
| | | | 130 | - | 131 | PWM 6 (25000 Hz) | |
| | | | 132 | - | 139 | No function | |
| | | | 140 | - | 141 | Display Always On | Display Functions |
| | | | 142 | - | 143 | Display Off after 20s | |
| | | | 144 | - | 163 | No function | |
| | | | 164 | - | 165 | Dimmer Curve Linear | Dimmer Curve |
| | | | 166 | - | 167 | Dimmer Curve Exponential | |
| | | | 168 | - | 169 | Dimmer Curve Logarithmic | |
| | | | 170 | - | 171 | Dimmer Curve S-Curve | |

**213**

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | 9 | Device Settings (all settings executed are after holding value for 3 seconds) (please read remark 1*) | 172 | - | 239 | No function | |
| | | | 240 | - | 241 | Load Factory Defaults | Load Default |
| | | | 242 | - | 243 | Load Factory Defaults (without User Colors & Loops) | |
| | | | 244 | - | 245 | Load User Default A | |
| | | | 246 | - | 247 | Load User Default B | |
| | | | 248 | - | 249 | Load User Default C | |
| | | | 250 | - | 255 | no function | |
| 5 | 10 | Red 1 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 1 |
| 6 | 11 | Green 1 | 000 | - | 255 | 0% to 100% | |
| 7 | 12 | Blue 1 | 000 | - | 255 | 0% to 100% | |
| 8 | 13 | Red 2 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 2 |
| 9 | 14 | Green 2 | 000 | - | 255 | 0% to 100% | |
| 10 | 15 | Blue 2 | 000 | - | 255 | 0% to 100% | |
| 11 | 16 | Red 3 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 3 |
| 12 | 17 | Green 3 | 000 | - | 255 | 0% to 100% | |
| 13 | 18 | Blue 3 | 000 | - | 255 | 0% to 100% | |
| 14 | 19 | Red 4 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 4 |
| 15 | 20 | Green 4 | 000 | - | 255 | 0% to 100% | |
| 16 | 21 | Blue 4 | 000 | - | 255 | 0% to 100% | |
| 17 | 22 | Red 5 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 5 |
| 18 | 23 | Green 5 | 000 | - | 255 | 0% to 100% | |
| 19 | 24 | Blue 5 | 000 | - | 255 | 0% to 100% | |
| 20 | 25 | Red 6 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 6 |
| 21 | 26 | Green 6 | 000 | - | 255 | 0% to 100% | |
| 22 | 27 | Blue 6 | 000 | - | 255 | 0% to 100% | |
| 23 | 28 | Red 7 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 7 |
| 24 | 29 | Green 7 | 000 | - | 255 | 0% to 100% | |
| 25 | 30 | Blue 7 | 000 | - | 255 | 0% to 100% | |
| 26 | 31 | Red 8 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 8 |
| 27 | 32 | Green 8 | 000 | - | 255 | 0% to 100% | |
| 28 | 33 | Blue 8 | 000 | - | 255 | 0% to 100% | |
| 29 | 34 | Red 9 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 9 |
| 30 | 35 | Green 9 | 000 | - | 255 | 0% to 100% | |
| 31 | 36 | Blue 9 | 000 | - | 255 | 0% to 100% | |

| 32 | 37 | Red 10 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 10 |
|----|----|--------|-----|---|-----|------------|---------|
| 33 | 38 | Green 10 | 000 | - | 255 | 0% to 100% | |
| 34 | 39 | Blue 10 | 000 | - | 255 | 0% to 100% | |
| 35 | 40 | Red 11 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 11 |
| 36 | 41 | Green 11 | 000 | - | 255 | 0% to 100% | |
| 37 | 42 | Blue 11 | 000 | - | 255 | 0% to 100% | |
| 38 | 43 | Red 12 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 12 |
| 39 | 44 | Green 12 | 000 | - | 255 | 0% to 100% | |
| 40 | 45 | Blue 12 | 000 | - | 255 | 0% to 100% | |
| 41 | 46 | Red 13 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 13 |
| 42 | 47 | Green 13 | 000 | - | 255 | 0% to 100% | |
| 43 | 48 | Blue 13 | 000 | - | 255 | 0% to 100% | |
| 44 | 49 | Red 14 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 14 |
| 45 | 50 | Green 14 | 000 | - | 255 | 0% to 100% | |
| 46 | 51 | Blue 14 | 000 | - | 255 | 0% to 100% | |
| 47 | 52 | Red 15 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 15 |
| 48 | 53 | Green 15 | 000 | - | 255 | 0% to 100% | |
| 49 | 54 | Blue 15 | 000 | - | 255 | 0% to 100% | |
| 50 | 55 | Red 16 | 000 | - | 255 | 0% to 100% | Top & Bottom Pixel 16 |
| 51 | 56 | Green 16 | 000 | - | 255 | 0% to 100% | |
| 52 | 57 | Blue 16 | 000 | - | 255 | 0% to 100% | |
| 53 | 58 | White 1 | 000 | - | 255 | 0% to 100% | White Center Pixel |
| 54 | 59 | White 2 | 000 | - | 255 | 0% to 100% | |
| 55 | 60 | White 3 | 000 | - | 255 | 0% to 100% | |
| 56 | 61 | White 4 | 000 | - | 255 | 0% to 100% | |
| 57 | 62 | White 5 | 000 | - | 255 | 0% to 100% | |
| 58 | 63 | White 6 | 000 | - | 255 | 0% to 100% | |
| 59 | 64 | White 7 | 000 | - | 255 | 0% to 100% | |
| 60 | 65 | White 8 | 000 | - | 255 | 0% to 100% | |
| 61 | 66 | White 9 | 000 | - | 255 | 0% to 100% | |
| 62 | 67 | White 10 | 000 | - | 255 | 0% to 100% | |
| 63 | 68 | White 11 | 000 | - | 255 | 0% to 100% | |
| 64 | 69 | White 12 | 000 | - | 255 | 0% to 100% | |
| 65 | 70 | White 13 | 000 | - | 255 | 0% to 100% | |
| 66 | 71 | White 14 | 000 | - | 255 | 0% to 100% | |

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| 67 | 72 | White 15 | 000 | - | 255 | 0% to 100% | White |
| 68 | 73 | White 16 | 000 | - | 255 | 0% to 100% | Center Pixel |

| 99CH Strobe RGB Pixel | 112CH Pixel | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Channel | Function | Values | | | | Subgroup |
| 1 | | Center Dimmer | 000 | - | 255 | 0% to 100% | Center Dimmer |
| 2 | | Center Strobe | 000 | - | 005 | Open | Multi-functional Strobe Center LEDs |
| | | | 006 | - | 010 | Closed | |
| | | | 011 | - | 022 | Ramp up/down slow to fast | |
| | | | 023 | - | 033 | Ramp up/down random slow to fast | |
| | | | 034 | - | 045 | Ramp up slow to fast | |
| | | | 046 | - | 056 | Ramp up random slow to fast | |
| | | | 057 | - | 068 | Ramp down slow to fast | |
| | | | 069 | - | 079 | Ramp down random slow to fast | |
| | | | 080 | - | 102 | Random Strobe effect slow to fast | |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) | |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | |
| | | | 251 | - | 255 | Open | |
| 3 | | Center Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) | |
| 4 | 1 | Red Top 1 | 000 | - | 255 | 0% to 100% | Top Pixel 1 |
| 5 | 2 | Green Top 1 | 000 | - | 255 | 0% to 100% | |
| 6 | 3 | Blue Top 1 | 000 | - | 255 | 0% to 100% | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 4 | Red Top 2 | 000 | - | 255 | 0% to 100% | Top Pixel 2 |
| 8 | 5 | Green Top 2 | 000 | - | 255 | 0% to 100% | |
| 9 | 6 | Blue Top 2 | 000 | - | 255 | 0% to 100% | |
| 10 | 7 | Red Top 3 | 000 | - | 255 | 0% to 100% | Top Pixel 3 |
| 11 | 8 | Green Top 3 | 000 | - | 255 | 0% to 100% | |
| 12 | 9 | Blue Top 3 | 000 | - | 255 | 0% to 100% | |
| 13 | 10 | Red Top 4 | 000 | - | 255 | 0% to 100% | Top Pixel 4 |
| 14 | 11 | Green Top 4 | 000 | - | 255 | 0% to 100% | |
| 15 | 12 | Blue Top 4 | 000 | - | 255 | 0% to 100% | |
| 16 | 13 | Red Top 5 | 000 | - | 255 | 0% to 100% | Top Pixel 5 |
| 17 | 14 | Green Top 5 | 000 | - | 255 | 0% to 100% | |
| 18 | 15 | Blue Top 5 | 000 | - | 255 | 0% to 100% | |
| 19 | 16 | Red Top 6 | 000 | - | 255 | 0% to 100% | Top Pixel 6 |
| 20 | 17 | Green Top 6 | 000 | - | 255 | 0% to 100% | |
| 21 | 18 | Blue Top 6 | 000 | - | 255 | 0% to 100% | |
| 22 | 19 | Red Top 7 | 000 | - | 255 | 0% to 100% | Top Pixel 7 |
| 23 | 20 | Green Top 7 | 000 | - | 255 | 0% to 100% | |
| 24 | 21 | Blue Top 7 | 000 | - | 255 | 0% to 100% | |
| 25 | 22 | Red Top 8 | 000 | - | 255 | 0% to 100% | Top Pixel 8 |
| 26 | 23 | Green Top 8 | 000 | - | 255 | 0% to 100% | |
| 27 | 24 | Blue Top 8 | 000 | - | 255 | 0% to 100% | |
| 28 | 25 | Red Top 9 | 000 | - | 255 | 0% to 100% | Top Pixel 9 |
| 29 | 26 | Green Top 9 | 000 | - | 255 | 0% to 100% | |
| 30 | 27 | Blue Top 9 | 000 | - | 255 | 0% to 100% | |
| 31 | 28 | Red Top 10 | 000 | - | 255 | 0% to 100% | Top Pixel 10 |
| 32 | 29 | Green Top 10 | 000 | - | 255 | 0% to 100% | |
| 33 | 30 | Blue Top 10 | 000 | - | 255 | 0% to 100% | |
| 34 | 31 | Red Top 11 | 000 | - | 255 | 0% to 100% | Top Pixel 11 |
| 35 | 32 | Green Top 11 | 000 | - | 255 | 0% to 100% | |
| 36 | 33 | Blue Top 11 | 000 | - | 255 | 0% to 100% | |
| 37 | 34 | Red Top 12 | 000 | - | 255 | 0% to 100% | Top Pixel 12 |
| 38 | 35 | Green Top 12 | 000 | - | 255 | 0% to 100% | |
| 39 | 36 | Blue Top 12 | 000 | - | 255 | 0% to 100% | |
| 40 | 37 | Red Top 13 | 000 | - | 255 | 0% to 100% | Top Pixel 13 |
| 41 | 38 | Green Top 13 | 000 | - | 255 | 0% to 100% | |
| 42 | 39 | Blue Top 13 | 000 | - | 255 | 0% to 100% | |

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| 43 | 40 | Red Top 14 | 000 | - | 255 | 0% to 100% | Top Pixel 14 |
| 44 | 41 | Green Top 14 | 000 | - | 255 | 0% to 100% | |
| 45 | 42 | Blue Top 14 | 000 | - | 255 | 0% to 100% | |
| 46 | 43 | Red Top 15 | 000 | - | 255 | 0% to 100% | Top Pixel 15 |
| 47 | 44 | Green Top 15 | 000 | - | 255 | 0% to 100% | |
| 48 | 45 | Blue Top 15 | 000 | - | 255 | 0% to 100% | |
| 49 | 46 | Red Top 16 | 000 | - | 255 | 0% to 100% | Top Pixel 16 |
| 50 | 47 | Green Top 16 | 000 | - | 255 | 0% to 100% | |
| 51 | 48 | Blue Top 16 | 000 | - | 255 | 0% to 100% | |
| 52 | 49 | Red Bottom 1 | 000 | - | 255 | 0% to 100% | Bottom Pixel 1 |
| 53 | 50 | Green Bottom 1 | 000 | - | 255 | 0% to 100% | |
| 54 | 51 | Blue Bottom 1 | 000 | - | 255 | 0% to 100% | |
| 55 | 52 | Red Bottom 2 | 000 | - | 255 | 0% to 100% | Bottom Pixel 2 |
| 56 | 53 | Green Bottom 2 | 000 | - | 255 | 0% to 100% | |
| 57 | 54 | Blue Bottom 2 | 000 | - | 255 | 0% to 100% | |
| 58 | 55 | Red Bottom 3 | 000 | - | 255 | 0% to 100% | Bottom Pixel 3 |
| 59 | 56 | Green Bottom 3 | 000 | - | 255 | 0% to 100% | |
| 60 | 57 | Blue Bottom 3 | 000 | - | 255 | 0% to 100% | |
| 61 | 58 | Red Bottom 4 | 000 | - | 255 | 0% to 100% | Bottom Pixel 4 |
| 62 | 59 | Green Bottom 4 | 000 | - | 255 | 0% to 100% | |
| 63 | 60 | Blue Bottom 4 | 000 | - | 255 | 0% to 100% | |
| 64 | 61 | Red Bottom 5 | 000 | - | 255 | 0% to 100% | Bottom Pixel 5 |
| 65 | 62 | Green Bottom 5 | 000 | - | 255 | 0% to 100% | |

| 66 | 63 | Blue Bottom 5 | 000 | - | 255 | 0% to 100% | Bottom Pixel 5 |
|----|----|---------------|-----|---|-----|-----------|----------------|
| 67 | 64 | Red Bottom 6 | 000 | - | 255 | 0% to 100% | Bottom Pixel 6 |
| 68 | 65 | Green Bottom 6 | 000 | - | 255 | 0% to 100% | |
| 69 | 66 | Blue Bottom 6 | 000 | - | 255 | 0% to 100% | |
| 70 | 67 | Red Bottom 7 | 000 | - | 255 | 0% to 100% | Bottom Pixel 7 |
| 71 | 68 | Green Bottom 7 | 000 | - | 255 | 0% to 100% | |
| 72 | 69 | Blue Bottom 7 | 000 | - | 255 | 0% to 100% | |
| 73 | 70 | Red Bottom 8 | 000 | - | 255 | 0% to 100% | Bottom Pixel 8 |
| 74 | 71 | Green Bottom 8 | 000 | - | 255 | 0% to 100% | |
| 75 | 72 | Blue Bottom 8 | 000 | - | 255 | 0% to 100% | |
| 76 | 73 | Red Bottom 9 | 000 | - | 255 | 0% to 100% | Bottom Pixel 9 |
| 77 | 74 | Green Bottom 9 | 000 | - | 255 | 0% to 100% | |
| 78 | 75 | Blue Bottom 9 | 000 | - | 255 | 0% to 100% | |
| 79 | 76 | Red Bottom 10 | 000 | - | 255 | 0% to 100% | Bottom Pixel 10 |
| 80 | 77 | Green Bottom 10 | 000 | - | 255 | 0% to 100% | |
| 81 | 78 | Blue Bottom 10 | 000 | - | 255 | 0% to 100% | |
| 82 | 79 | Red Bottom 11 | 000 | - | 255 | 0% to 100% | Bottom Pixel 11 |
| 83 | 80 | Green Bottom 11 | 000 | - | 255 | 0% to 100% | |
| 84 | 81 | Blue Bottom 11 | 000 | - | 255 | 0% to 100% | |

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| 85 | 82 | Red Bottom 12 | 000 | - | 255 | 0% to 100% | Bottom Pixel 12 |
| 86 | 83 | Green Bottom 12 | 000 | - | 255 | 0% to 100% | |
| 87 | 84 | Blue Bottom 12 | 000 | - | 255 | 0% to 100% | |
| 88 | 85 | Red Bottom 13 | 000 | - | 255 | 0% to 100% | Bottom Pixel 13 |
| 89 | 86 | Green Bottom 13 | 000 | - | 255 | 0% to 100% | |
| 90 | 87 | Blue Bottom 13 | 000 | - | 255 | 0% to 100% | |
| 91 | 88 | Red Bottom 14 | 000 | - | 255 | 0% to 100% | Bottom Pixel 14 |
| 92 | 89 | Green Bottom 14 | 000 | - | 255 | 0% to 100% | |
| 93 | 90 | Blue Bottom 14 | 000 | - | 255 | 0% to 100% | |
| 94 | 91 | Red Bottom 15 | 000 | - | 255 | 0% to 100% | Bottom Pixel 15 |
| 95 | 92 | Green Bottom 15 | 000 | - | 255 | 0% to 100% | |
| 96 | 93 | Blue Bottom 15 | 000 | - | 255 | 0% to 100% | |
| 97 | 94 | Red Bottom 16 | 000 | - | 255 | 0% to 100% | Bottom Pixel 16 |
| 98 | 95 | Green Bottom 16 | 000 | - | 255 | 0% to 100% | |
| 99 | 96 | Blue Bottom 16 | 000 | - | 255 | 0% to 100% | |
| | 97 | White 1 | 000 | - | 255 | 0% to 100% | White Center Pixel |
| | 98 | White 2 | 000 | - | 255 | 0% to 100% | |
| | 99 | White 3 | 000 | - | 255 | 0% to 100% | |
| | 100 | White 4 | 000 | - | 255 | 0% to 100% | |
| | 101 | White 5 | 000 | - | 255 | 0% to 100% | |
| | 102 | White 6 | 000 | - | 255 | 0% to 100% | |
| | 103 | White 7 | 000 | - | 255 | 0% to 100% | |
| | 104 | White 8 | 000 | - | 255 | 0% to 100% | |

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| 105 | White 9 | 000 | - | 255 | 0% to 100% | White Center Pixel |
|---|---|---|---|---|---|---|
| 106 | White 10 | 000 | - | 255 | 0% to 100% | |
| 107 | White 11 | 000 | - | 255 | 0% to 100% | |
| 108 | White 12 | 000 | - | 255 | 0% to 100% | |
| 109 | White 13 | 000 | - | 255 | 0% to 100% | |
| 110 | White 14 | 000 | - | 255 | 0% to 100% | |
| 111 | White 15 | 000 | - | 255 | 0% to 100% | |
| 112 | White 16 | 000 | - | 255 | 0% to 100% | |

| 116CH Pixel Strobe | 121CH Pixel Strobe | | | | | |
|---|---|---|---|---|---|---|
| Channel | Channel | Function | Values | | | Subgroup |
| 1 | 1 | Dimmer | 000 | - | 255 | 0% to 100% | Dimmer |
| 2 | 2 | Dimmer fine | 000 | - | 255 | | |
| 3 | 3 | Strobe Functions | 000 | - | 005 | Open | Multi-functional Strobe |
| | | | 006 | - | 010 | Closed | |
| | | | 011 | - | 022 | Ramp up/down slow to fast | |
| | | | 023 | - | 033 | Ramp up/down random slow to fast | |
| | | | 034 | - | 045 | Ramp up slow to fast | |
| | | | 046 | - | 056 | Ramp up random slow to fast | |
| | | | 057 | - | 068 | Ramp down slow to fast | |
| | | | 069 | - | 079 | Ramp down random slow to fast | |
| | | | 080 | - | 102 | Random Strobe effect slow to fast | |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) | |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | |
| | | | 251 | - | 255 | Open | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 4 | Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) | Multifunc-tional Strobe |
| | 5 | Center Dimmer | 000 | - | 255 | 0% to 100% | Center Dimmer |
| | 6 | Center Dimmer fine | 001 | - | 255 | | |
| | 7 | Center Strobe | 000 | - | 005 | Open | Multi-functional Strobe Center LEDs |
| | | | 006 | - | 010 | Closed | |
| | | | 011 | - | 022 | Ramp up/down slow to fast | |
| | | | 023 | - | 033 | Ramp up/down random slow to fast | |
| | | | 034 | - | 045 | Ramp up slow to fast | |
| | | | 046 | - | 056 | Ramp up random slow to fast | |
| | | | 057 | - | 068 | Ramp down slow to fast | |
| | | | 069 | - | 079 | Ramp down random slow to fast | |
| | | | 080 | - | 102 | Random Strobe effect slow to fast | |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) | |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | |
| | | | 251 | - | 255 | Open | |
| | 8 | Center Strobe Duration | 000 | - | 255 | Flash duration (0ms to 510ms) | |
| 4 | 9 | Device Settings (all settings executed are after holding value for 3 seconds) (please read remark 1*) | 000 | - | 057 | No function | |

| 4 | 9 | Device Settings (all settings executed are after holding value for 3 seconds) (please read remark 1*) | 058 | - | 059 | Pixel Mirroring Off | Pixel Mirroring |
|---|---|---|---|---|---|---|---|
| | | | 060 | - | 061 | Pixel Mirroring Vertical | |
| | | | 062 | - | 063 | Pixel Mirroring Horizontal | |
| | | | 064 | - | 065 | Pixel Mirroring Vertical + Horizontal | |
| | | | 066 | - | 073 | No function | |
| | | | 074 | - | 075 | Dimmer Response LED | Dimming |
| | | | 076 | - | 077 | Dimmer Response Halogen | |
| | | | 078 | - | 119 | No function | |
| | | | 120 | - | 121 | PWM 1 (650 Hz) | PWM Frequency |
| | | | 122 | - | 123 | PWM 2 (1530 Hz) | |
| | | | 124 | - | 125 | PWM 3 (3600 Hz) | |
| | | | 126 | - | 127 | PWM 4 (12000 Hz) | |
| | | | 128 | - | 129 | PWM 5 (18900 Hz) | |
| | | | 130 | - | 131 | PWM 6 (25000 Hz) | |
| | | | 132 | - | 139 | No function | |
| | | | 140 | - | 141 | Display Always On | Display Functions |
| | | | 142 | - | 143 | Display Off after 20s | |
| | | | 144 | - | 163 | No function | |
| | | | 164 | - | 165 | Dimmer Curve Linear | Dimmer Curve |
| | | | 166 | - | 167 | Dimmer Curve Exponential | |
| | | | 168 | - | 169 | Dimmer Curve Logarithmic | |
| | | | 170 | - | 171 | Dimmer Curve S-Curve | |
| | | | 172 | - | 239 | No function | |
| | | | 240 | - | 241 | Load Factory Defaults | Load Default |
| | | | 242 | - | 243 | Load Factory Defaults (without User Colors & Loops) | |
| | | | 244 | - | 245 | Load User Default A | |
| | | | 246 | - | 247 | Load User Default B | |
| | | | 248 | - | 249 | Load User Default C | |
| | | | 250 | - | 255 | no function | |

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| 5 | 10 | Red Top 1 | 000 | - | 255 | 0% to 100% | Top Pixel 1 |
| 6 | 11 | Green Top 1 | 000 | - | 255 | 0% to 100% | |
| 7 | 12 | Blue Top 1 | 000 | - | 255 | 0% to 100% | |
| 8 | 13 | Red Top 2 | 000 | - | 255 | 0% to 100% | Top Pixel 2 |
| 9 | 14 | Green Top 2 | 000 | - | 255 | 0% to 100% | |
| 10 | 15 | Blue Top 2 | 000 | - | 255 | 0% to 100% | |
| 11 | 16 | Red Top 3 | 000 | - | 255 | 0% to 100% | Top Pixel 3 |
| 12 | 17 | Green Top 3 | 000 | - | 255 | 0% to 100% | |
| 13 | 18 | Blue Top 3 | 000 | - | 255 | 0% to 100% | |
| 14 | 19 | Red Top 4 | 000 | - | 255 | 0% to 100% | Top Pixel 4 |
| 15 | 20 | Green Top 4 | 000 | - | 255 | 0% to 100% | |
| 16 | 21 | Blue Top 4 | 000 | - | 255 | 0% to 100% | |
| 17 | 22 | Red Top 5 | 000 | - | 255 | 0% to 100% | Top Pixel 5 |
| 18 | 23 | Green Top 5 | 000 | - | 255 | 0% to 100% | |
| 19 | 24 | Blue Top 5 | 000 | - | 255 | 0% to 100% | |
| 20 | 25 | Red Top 6 | 000 | - | 255 | 0% to 100% | Top Pixel 6 |
| 21 | 26 | Green Top 6 | 000 | - | 255 | 0% to 100% | |
| 22 | 27 | Blue Top 6 | 000 | - | 255 | 0% to 100% | |
| 23 | 28 | Red Top 7 | 000 | - | 255 | 0% to 100% | Top Pixel 7 |
| 24 | 29 | Green Top 7 | 000 | - | 255 | 0% to 100% | |
| 25 | 30 | Blue Top 7 | 000 | - | 255 | 0% to 100% | |
| 26 | 31 | Red Top 8 | 000 | - | 255 | 0% to 100% | Top Pixel 8 |
| 27 | 32 | Green Top 8 | 000 | - | 255 | 0% to 100% | |
| 28 | 33 | Blue Top 8 | 000 | - | 255 | 0% to 100% | |
| 29 | 34 | Red Top 9 | 000 | - | 255 | 0% to 100% | Top Pixel 9 |
| 30 | 35 | Green Top 9 | 000 | - | 255 | 0% to 100% | |
| 31 | 36 | Blue Top 9 | 000 | - | 255 | 0% to 100% | |
| 32 | 37 | Red Top 10 | 000 | - | 255 | 0% to 100% | Top Pixel 10 |
| 33 | 38 | Green Top 10 | 000 | - | 255 | 0% to 100% | |
| 34 | 39 | Blue Top 10 | 000 | - | 255 | 0% to 100% | |
| 35 | 40 | Red Top 11 | 000 | - | 255 | 0% to 100% | Top Pixel 11 |
| 36 | 41 | Green Top 11 | 000 | - | 255 | 0% to 100% | |
| 37 | 42 | Blue Top 11 | 000 | - | 255 | 0% to 100% | |
| 38 | 43 | Red Top 12 | 000 | - | 255 | 0% to 100% | Top Pixel 12 |

| 39 | 44 | Green Top 12 | 000 | - | 255 | 0% to 100% | Top Pixel 12 |
|---|---|---|---|---|---|---|---|
| 40 | 45 | Blue Top 12 | 000 | - | 255 | 0% to 100% | |
| 41 | 46 | Red Top 13 | 000 | - | 255 | 0% to 100% | Top Pixel 13 |
| 42 | 47 | Green Top 13 | 000 | - | 255 | 0% to 100% | |
| 43 | 48 | Blue Top 13 | 000 | - | 255 | 0% to 100% | |
| 44 | 49 | Red Top 14 | 000 | - | 255 | 0% to 100% | Top Pixel 14 |
| 45 | 50 | Green Top 14 | 000 | - | 255 | 0% to 100% | |
| 46 | 51 | Blue Top 14 | 000 | - | 255 | 0% to 100% | |
| 47 | 52 | Red Top 15 | 000 | - | 255 | 0% to 100% | Top Pixel 15 |
| 48 | 53 | Green Top 15 | 000 | - | 255 | 0% to 100% | |
| 49 | 54 | Blue Top 15 | 000 | - | 255 | 0% to 100% | |
| 50 | 55 | Red Top 16 | 000 | - | 255 | 0% to 100% | Top Pixel 16 |
| 51 | 56 | Green Top 16 | 000 | - | 255 | 0% to 100% | |
| 52 | 57 | Blue Top 16 | 000 | - | 255 | 0% to 100% | |
| 53 | 58 | Red Bottom 1 | 000 | - | 255 | 0% to 100% | Bottom Pixel 1 |
| 54 | 59 | Green Bottom 1 | 000 | - | 255 | 0% to 100% | |
| 55 | 60 | Blue Bottom 1 | 000 | - | 255 | 0% to 100% | |
| 56 | 61 | Red Bottom 2 | 000 | - | 255 | 0% to 100% | Bottom Pixel 2 |
| 57 | 62 | Green Bottom 2 | 000 | - | 255 | 0% to 100% | |
| 58 | 63 | Blue Bottom 2 | 000 | - | 255 | 0% to 100% | |
| 59 | 64 | Red Bottom 3 | 000 | - | 255 | 0% to 100% | Bottom Pixel 3 |
| 60 | 65 | Green Bottom 3 | 000 | - | 255 | 0% to 100% | |
| 61 | 66 | Blue Bottom 3 | 000 | - | 255 | 0% to 100% | |
| 62 | 67 | Red Bottom 4 | 000 | - | 255 | 0% to 100% | Bottom Pixel 4 |
| 63 | 68 | Green Bottom 4 | 000 | - | 255 | 0% to 100% | |

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| 64 | 69 | Blue Bottom 4 | 000 | - | 255 | 0% to 100% | Bottom Pixel 4 |
|---|---|---|---|---|---|---|---|
| 65 | 70 | Red Bottom 5 | 000 | - | 255 | 0% to 100% | Bottom Pixel 5 |
| 66 | 71 | Green Bottom 5 | 000 | - | 255 | 0% to 100% | |
| 67 | 72 | Blue Bottom 5 | 000 | - | 255 | 0% to 100% | |
| 68 | 73 | Red Bottom 6 | 000 | - | 255 | 0% to 100% | Bottom Pixel 6 |
| 69 | 74 | Green Bottom 6 | 000 | - | 255 | 0% to 100% | |
| 70 | 75 | Blue Bottom 6 | 000 | - | 255 | 0% to 100% | |
| 71 | 76 | Red Bottom 7 | 000 | - | 255 | 0% to 100% | Bottom Pixel 7 |
| 72 | 77 | Green Bottom 7 | 000 | - | 255 | 0% to 100% | |
| 73 | 78 | Blue Bottom 7 | 000 | - | 255 | 0% to 100% | |
| 74 | 79 | Red Bottom 8 | 000 | - | 255 | 0% to 100% | Bottom Pixel 8 |
| 75 | 80 | Green Bottom 8 | 000 | - | 255 | 0% to 100% | |
| 76 | 81 | Blue Bottom 8 | 000 | - | 255 | 0% to 100% | |
| 77 | 82 | Red Bottom 9 | 000 | - | 255 | 0% to 100% | Bottom Pixel 9 |
| 78 | 83 | Green Bottom 9 | 000 | - | 255 | 0% to 100% | |
| 79 | 84 | Blue Bottom 9 | 000 | - | 255 | 0% to 100% | |
| 80 | 85 | Red Bottom 10 | 000 | - | 255 | 0% to 100% | Bottom Pixel 10 |
| 81 | 86 | Green Bottom 10 | 000 | - | 255 | 0% to 100% | |
| 82 | 87 | Blue Bottom 10 | 000 | - | 255 | 0% to 100% | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 83 | 88 | Red Bottom 11 | 000 | - | 255 | 0% to 100% | Bottom Pixel 11 |
| 84 | 89 | Green Bottom 11 | 000 | - | 255 | 0% to 100% | |
| 85 | 90 | Blue Bottom 11 | 000 | - | 255 | 0% to 100% | |
| 86 | 91 | Red Bottom 12 | 000 | - | 255 | 0% to 100% | Bottom Pixel 12 |
| 87 | 92 | Green Bottom 12 | 000 | - | 255 | 0% to 100% | |
| 88 | 93 | Blue Bottom 12 | 000 | - | 255 | 0% to 100% | |
| 89 | 94 | Red Bottom 13 | 000 | - | 255 | 0% to 100% | Bottom Pixel 13 |
| 90 | 95 | Green Bottom 13 | 000 | - | 255 | 0% to 100% | |
| 91 | 96 | Blue Bottom 13 | 000 | - | 255 | 0% to 100% | |
| 92 | 97 | Red Bottom 14 | 000 | - | 255 | 0% to 100% | Bottom Pixel 14 |
| 93 | 98 | Green Bottom 14 | 000 | - | 255 | 0% to 100% | |
| 94 | 99 | Blue Bottom 14 | 000 | - | 255 | 0% to 100% | |
| 95 | 100 | Red Bottom 15 | 000 | - | 255 | 0% to 100% | Bottom Pixel 15 |
| 96 | 101 | Green Bottom 15 | 000 | - | 255 | 0% to 100% | |
| 97 | 102 | Blue Bottom 15 | 000 | - | 255 | 0% to 100% | |
| 98 | 103 | Red Bottom 16 | 000 | - | 255 | 0% to 100% | Bottom Pixel 16 |
| 99 | 104 | Green Bottom 16 | 000 | - | 255 | 0% to 100% | |
| 100 | 105 | Blue Bottom 16 | 000 | - | 255 | 0% to 100% | |
| 101 | 106 | White 1 | 000 | - | 255 | 0% to 100% | White Center Pixel |
| 102 | 107 | White 2 | 000 | - | 255 | 0% to 100% | |
| 103 | 108 | White 3 | 000 | - | 255 | 0% to 100% | |

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| 104 | 109 | White 4 | 000 | - | 255 | 0% to 100% | White Center Pixel |
|---|---|---|---|---|---|---|---|
| 105 | 110 | White 5 | 000 | - | 255 | 0% to 100% | |
| 106 | 111 | White 6 | 000 | - | 255 | 0% to 100% | |
| 107 | 112 | White 7 | 000 | - | 255 | 0% to 100% | |
| 108 | 113 | White 8 | 000 | - | 255 | 0% to 100% | |
| 109 | 114 | White 9 | 000 | - | 255 | 0% to 100% | |
| 110 | 115 | White 10 | 000 | - | 255 | 0% to 100% | |
| 111 | 116 | White 11 | 000 | - | 255 | 0% to 100% | |
| 112 | 117 | White 12 | 000 | - | 255 | 0% to 100% | |
| 113 | 118 | White 13 | 000 | - | 255 | 0% to 100% | |
| 114 | 119 | White 14 | 000 | - | 255 | 0% to 100% | |
| 115 | 120 | White 15 | 000 | - | 255 | 0% to 100% | |
| 116 | 121 | White 16 | 000 | - | 255 | 0% to 100% | |

| D7CH Strobe Channel | D8CH Strobe Channel | Function | Values | | | | Subgroup |
|---|---|---|---|---|---|---|---|
| 1 | 1 | Dimmer | 000 | - | 255 | 0% to 100% | Dimmer |
| 2 | 2 | Strobe Functions | 000 | - | 005 | Open | Multi-functional Strobe |
| | | | 006 | - | 010 | Closed | |
| | | | 011 | - | 022 | Ramp up/down slow to fast | |
| | | | 023 | - | 033 | Ramp up/down random slow to fast | |
| | | | 034 | - | 045 | Ramp up slow to fast | |
| | | | 046 | - | 056 | Ramp up random slow to fast | |
| | | | 057 | - | 068 | Ramp down slow to fast | |
| | | | 069 | - | 079 | Ramp down random slow to fast | |
| | | | 080 | - | 102 | Random Strobe effect slow to fast | |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) | |

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| 2 | 2 | Strobe Functions | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | Multi-functional Strobe |
|---|---|---|---|---|---|---|---|
| | | | 251 | - | 255 | Open | |
| 3 | 3 | Red | 000 | - | 255 | 0% to 100% | Additive Color Mixing |
| 4 | 4 | Green | 000 | - | 255 | 0% to 100% | |
| 5 | 5 | Blue | 000 | - | 255 | 0% to 100% | |
| 6 | 6 | Center Dimmer | 000 | - | 255 | 0% to 100% | Center Dimmer |
| | 7 | Center Strobe | 000 | - | 005 | Open | Multi-functional Strobe Center LEDs |
| | | | 006 | - | 010 | Closed | |
| | | | 011 | - | 022 | Ramp up/down slow to fast | |
| | | | 023 | - | 033 | Ramp up/down random slow to fast | |
| | | | 034 | - | 045 | Ramp up slow to fast | |
| | | | 046 | - | 056 | Ramp up random slow to fast | |
| | | | 057 | - | 068 | Ramp down slow to fast | |
| | | | 069 | - | 079 | Ramp down random slow to fast | |
| | | | 080 | - | 102 | Random Strobe effect slow to fast | |
| | | | 103 | - | 127 | Strobe Break effect 5s to 1s (short burst with break) | |
| | | | 128 | - | 250 | Strobe slow to fast (<1Hz to 20Hz) | |
| | | | 251 | - | 255 | Open | |
| 7 | 8 | DMX Delay | 000 | - | 005 | Off (no Delay) | DMX Delay |
| | | | 006 | - | 255 | 0,1s to 2,0s | |

**EN:** (1*) After the adjustments have been made, set the value to 000 to avoid disturbance by endless function call.

**DE:** (1*) Nachdem die Einstellungen vorgenommen wurden, stellen Sie den Wert auf 000 ein, um Störungen durch endlosen Funktionsaufruf zu vermeiden.

**FR:** (1*) Une fois les ajustements effectués, réglez la valeur sur 000 pour éviter les perturbations par appel de fonction sans fin.

**ES:** (1*) Después de realizar los ajustes, establezca el valor en 000 para evitar perturbaciones mediante una llamada de función sin fin.

**PL:** (1*) Po dokonaniu ustawień ustaw wartość na 000, aby uniknąć zakłóceń przez niekończące się wywołanie funkcji.

**IT:** (1*) Dopo aver effettuato le regolazioni, impostare il valore su 000 per evitare disturbi causati da una chiamata a funzione infinita.

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