STAIRVILLE

Stage Flood Inst QCL 48×10W

User Manual

LED Floodlight

Thomann GmbH
Hans-Thomann-Straße 1
96138 Burgebrach
Germany
Telephone: +49 (0) 9546 9223-0
Internet: www.thomann.de

10.10.2024, ID: 345858 (V4)

Table of contents

1 General information

This document contains important instructions for the safe operation of the product. Read and follow the safety instructions and all other instructions. Keep the document for future reference. Make sure that it is available to all those using the product. If you sell the product to another user, be sure that they also receive this document.

Our products and documentation are subject to a process of continuous development. They are therefore subject to change. Please refer to the latest version of the documentation, which is ready for download under *www.thomann.de*.

1.1 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this document.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – high-voltage.
	Warning – hot surface.
	Warning – dangerous optical radiation.

Warning signs	Type of danger
	Warning – suspended load.
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended for use as an electronic lighting effect by means of LED technology. The device is designed for professional use only and is not suitable for use in households. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Extend the operating life of the device by regular breaks and by avoiding frequent switching on and off. The device is not suitable for continuous operation.

Safety

DANGER!

Risk of injury and choking hazard for children!

Children can suffocate on packaging material and small parts. Children can injure themselves when handling the device. Never allow children to play with the packaging material and the device. Always store packaging material out of the reach of babies and small children. Always dispose of packaging material properly when it is not in use. Never allow children to use the device without supervision. Keep small parts away from children and make sure that the device does not shed any small parts (such knobs) that children could play with.

DANGER!

Risk of death from electrical current!

A short circuit can cause fires and loss of life. Always use properly insulated, tripe-core mains cable. Do not modify the mains cable. If the insulation is damaged, immediately switch off the power supply and have it repaired. If in doubt, contact a qualified electrician.

DANGER!

Danger to life due to electric current!

Within the device there are areas where high voltages may be present. Never remove any covers. There are no user-serviceable parts inside. Do not use the device when covers, safety equipment or optical components are missing or damaged.

DANGER!

Risk of death from electrical current!

Electric shocks can cause loss of life as well as fires. Maintenance and repair work may only be performed by a qualified electrician. Before starting work on the electrical installation, the device must be turned volt-free (unplug mains plug).

WARNING!

Risk of eye damage caused by high light intensity!

The device generates highly intense light radiation. Looking directly into the light source can damage the eyes. Never look directly into the light source.

WARNING!

Risk of epileptic fit due to flashing lights!

The device emits flashing lights (strobe effects). Flashing lights can trigger epileptic fits in specific people. If you are at risk of epilepsy, avoid spending longer periods of time subjected to flashing lights and looking into strobing light.

WARNING!

Danger of burns on the device surface!

The surface of the device becomes very hot during operation. Skin contact can result in burns. Never touch the device with your bare hands during operation. After switching off the device, wait for at least 15 minutes before touching it.

NOTICE!

Risk of fire due to covered vents and neighbouring heat sources!

If the vents of the device are covered or the device is operated in the immediate vicinity of other heat sources, the device can overheat and burst into flames. Never cover the device or the vents. Do not install the device in the immediate vicinity of other heat sources. Never operate the device in the immediate vicinity of naked flames.

NOTICE!

Damage to the device due to high voltages!

The device can be damaged if it is operated with the incorrect voltage or if high voltage peaks occur. In the worst case, excess voltages can also cause a risk of injury and fires. Make sure that the voltage specification on the device matches the local power grid before plugging in the device. Only operate the device from professionally installed mains sockets that are protected by a residual current circuit breaker (FI). Ensure that the power cord plug is easily accessible at all times if it is the only device to safely disconnect the device from the mains supply. As a precaution, disconnect the device from the power grid when storms are approaching or it the device will not be used for a longer period.

NOTICE!

Possible staining due to plasticiser in rubber feet!

The plasticiser contained in the rubber feet of this product may react with the coating of the floor and cause permanent dark stains after some time. If necessary, use a suitable mat or felt slide to prevent direct contact between the device's rubber feet and the floor.

NOTICE!

Risk of fire by exceeding the maximum current!

The device can supply power to other devices of identical design and connected in series. If too many devices are connected, the maximum permitted power consumption can be exceeded, which can cause the device to overheat and burst into flames. Only connect devices of identical design to the device. When deciding how many devices you can connect in series, make sure that the maximum output current specified on the device and in the "Technical specifications" chapter of the user manual is not exceeded. Only use power cords with a cable cross-section designed for the required current intensity when connecting the devices in series.

3 Features

Special features of the device:

- 48 × QCL LEDs (RGBW), 10 W each
- Beam angle: 45°
- 10 pre-programmed automatic shows
- 10 pre-programmed automatic programmes, editable
- Master/slave mode
- Control: DMX (7 modes), stand-alone
- Configuration via LC display with four buttons
- Connections:
  - DMX input and output
  - Power input and output
  - Connecting cable with open cable ends without connecting plug
- Robust aluminium housing
- Outdoor operation possible due to International Protection Rating IP65

For technological reasons, the light output of LEDs decreases over their lifetime. This effect increases with higher operating temperature. You can extend the service life of the illuminants by providing adequate ventilation and operating the LEDs with the lowest possible brightness.

Information about protection class IP65

Equipment with protection class IP65 are dust-tight and completely protected against contact (first code number). They are also protected against splash water from any angle (second code digit). That is why this equipment can also be used outdoors. Event technology equipment is generally only designed for temporary use however (event lighting) and not for permanent use outdoors.

The specified protection class does not make a statement about the weather resistance of the equipment (resistance to changing ambient conditions as well as against the effects of sunlight and UV rays).

The seals and screw connections of the equipment must be checked regularly to ensure a fault-free operation. In cases of doubt, consult a specialist workshop in due time.

4 Installation

Unpack and check carefully there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the product against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

You can install the device on the wall, ceiling or floor. A mounting bracket is included in the package.

Lift the device only at the base. When lifted at the rotatable mounting, the device may be damaged.

DANGER!

Risk of death and damage to the device due to incorrect mounting of the power connection!

The power supply cable operates under life-threatening voltage. If a plug on the power connection cable is mounted incorrectly or has faulty wiring, this can result in short circuit or electric shock. This cause loss of life as well as fires!

The plug assembly and wiring of the power connection cables may only be performed by a qualified electrician.

Never use improperly mounted plugs with the device.

DANGER!

Risk of death from electrical current!

Electric shocks can cause loss of life as well as fires.

Maintenance and repair work may only be performed by a qualified electrician.

Before starting work on the electrical installation, the device must be turned volt-free (unplug mains plug).

WARNING!

Risk of injury from falling devices that were inadequately secured!

If devices are not properly secured during assembly, they can cause severe injury and considerable damage by falling.

When installing and operating, make sure to follow the standards and regulations that apply in your country.

Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.

NOTICE!

Risk of overheating and fire due to inadequate distance and bad ventilation!

If the distance between the light source and the illuminated surface is too short or the device is badly ventilated, the device can overheat and cause fires.

Make sure that illuminated surfaces are more than 2 m away.

Do not operate the device in ambient temperatures above 40 °C.

Always ensure sufficient ventilation at the operating location.

NOTICE!

Potential property damage due to unsuitable stands!

If the device is mounted on an unsuitable stand, there is a risk that the stand will fall over and cause damage.

Only use stands whose maximum bearing capacity is at least as high as the weight of the device. Always ensure that the stand is stable.

NOTICE!

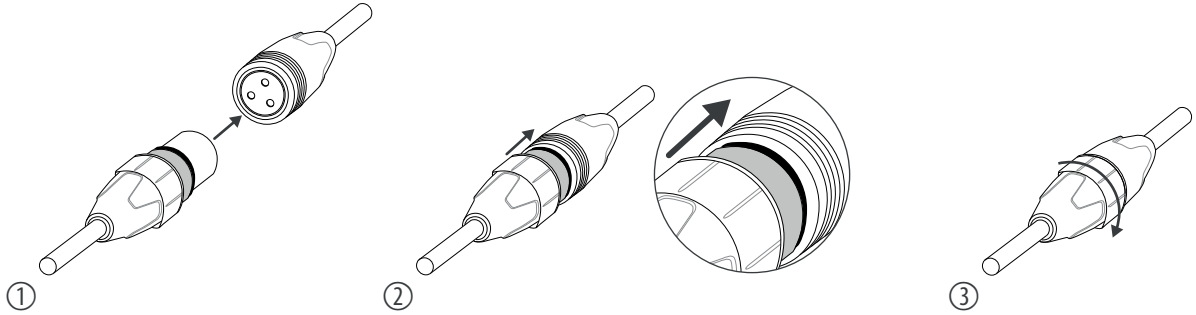
Data transfer errors due to improper wiring!

If the DMX connections are wired incorrectly, this can cause errors during the data transfer.

Do not connect the DMX input and output to audio devices, e.g. mixers or amplifiers.

Use special DMX cables for the wiring instead of normal microphone cables.

Connecting the DMX IP65 connectors



Proceed as follows to connect the DMX-IP65 connectors:

1. Insert the plug completely and straight into the coupling.
2. Make sure that the flexible sealing ring has complete contact.
3. Turn the union nut straight onto the thread of the coupling. Hand-tighten the union nut.

Mounting options

You can install the device in hanging or standing positions. When in use, the device must always be attached to a solid surface or an approved mount. Use the openings provided on the bracket for attaching.

Always work from a stable platform whenever installing, moving or servicing the device. While you do this, the area underneath the device must be cordoned off.

The safety cable must be threaded through both of the handles.

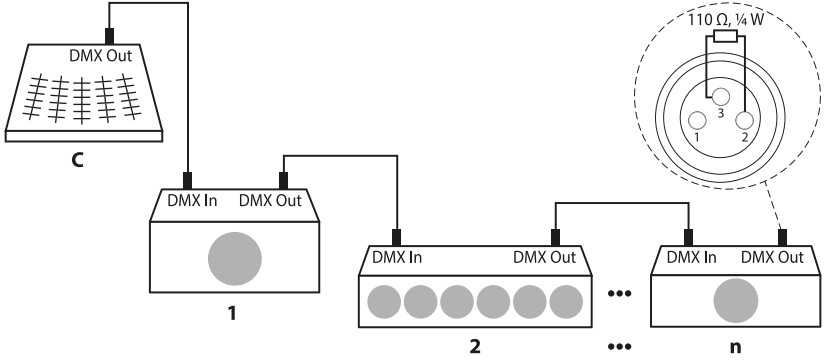
Please note that this device must not be connected to a dimmer.

5 Starting up

Create all connections while the device is off. Use the shortest possible high-quality cables for all connections. Take care when running the cables to prevent tripping hazards.

Connections in DMX mode

Connect the DMX input of the device to the DMX output of a DMX controller or another DMX device. Connect the output of the first DMX device to the input of the second one, and so on to form a daisy chain. Always ensure that the output of the last DMX device in the daisy chain is terminated with a resistor (110 Ω, ¼ W).



As per EIA-485 a maximum of 32 devices may be connected in a daisy-chain configuration. The length of the data connection should not exceed 500 m. An additional limitation results from the power supply (see below).

Connections in 'Master / Slave' mode

When you configure a group of devices in 'Master / Slave' mode, the first unit will control the others. This feature is especially useful to start a show without much programming. Connect the DMX output of the master unit to the DMX input of the first slave unit. Then connect the DMX output of the first slave unit to the DMX input of the second slave unit and so on.

Connections for the power supply

The device may only be operated on an earthed power distributor with a residual current circuit breaker.

Only use plugs or terminals with an earth conductor for the wiring.

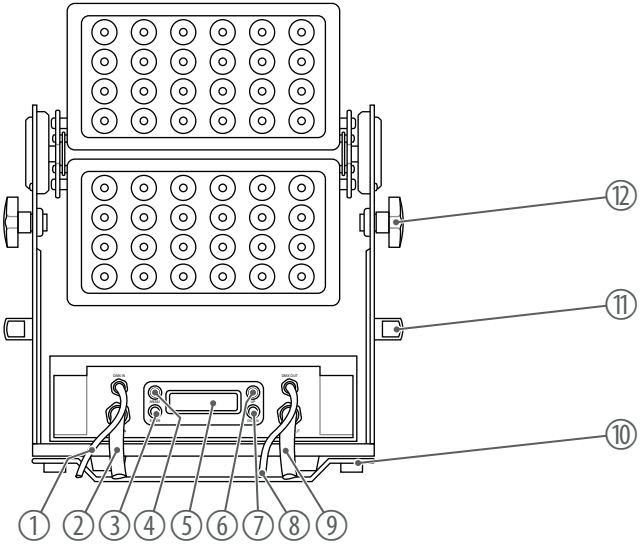
The device is equipped with non-removable cables for connecting to the power supply and distributing the power supply to the next device.

By connecting the power output cable to the power input cable of another device, it is possible to supply devices with power in series.

The following restrictions apply to wiring for devices with an identical design:

- max. 10 devices at 110 V ~ (AC), 60 Hz
- max. 20 devices at 230 V ~ (AC), 50 Hz

6 Connections and controls



1	*[DMX IN]* | DMX input
2	*[POWER IN]* | Connection for supply voltage, incoming
3	*[ENTER]* button | Selects an option of the respective operating mode, confirms the set value.
4	*[MENU]* button | Activates the main menu and toggles between menu items. Closes an open submenu.
5	Display
6	*[UP]* button | Navigates upwards in a menu list. Increases the displayed value by one.
7	*[DOWN]* button | Navigates downwards in a menu list. Decreases the displayed value by one.
8	*[DMX OUT]* | DMX output
9	*[POWER OUT]* | Connection for supply voltage, outgoing
10	Bracket for suspension. Remove the bracket if you want to set up the device on the ground.
11	Carrying handles
12	Locking screw for locking the inclination angle.

7 Operating

7.1 Starting the device

Connect the device to the mains to start operation.

7.2 Operating controls on the device

Main menu

1. Press *[MENU]* to activate the main menu and select an operating mode.
2. Use *[ENTER]* to select further options.
3. Use *[UP]* and *[DOWN]* to change the currently displayed value.
4. When the display shows the required value, press *[ENTER]*.

If no button is pressed for about 5 seconds, the display goes dark. Pressing any button reactivates the display, which will show the previously shown menu.

The set values are retained even when the device is disconnected from the mains power supply.

"Static colour" mode

This operating mode can only be activated if the device is operating in stand alone mode or as master in a master-slave combination. This setting is only relevant if the device is not controlled via DMX.

1. Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]* until *'Static Color'* appears on the display. Confirm the selection with *[ENTER]*.

2. Now use *[UP]* and *[DOWN]* to select the submenu (dimmer, R, G, b, W, S). Confirm the selection with *[ENTER]*.

3. Use *[Up]* and *[Down]* to set the individual values:

- Dimmer: Brightness, value between *'000'* and *'255'*
- R: Red intensity, value between *'000'* and *'255'*
- G: Green intensity, value between *'000'* and *'255'*
- b: Blue intensity, value between *'000'* and *'255'*
- W: White intensity, value between *'000'* and *'255'*
- S: Strobe effect, value between *'00'* and *'20'* (0 … 20 Hz)

4. Confirm the selection with *[ENTER]*.

“Pre-programmed automatic shows” mode

This operating mode can only be activated if the device is operating in stand alone mode or as master in a master-slave combination. This setting is only relevant if the device is not controlled via DMX.

1. Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]* until *‘AUTO’* appears on the display. Confirm the selection with *[ENTER]*.

2. You can now use *[UP]* and *[DOWN]* to choose between *‘Aut.’* and *‘Pro.’* .

3. Confirm the selection with *[ENTER]*.

Each of the two submenus contains 10 pre-programmed shows. The shows under “Aut.” are permanently programmed and cannot be modified, unlike those under “Pro.”.

Pre-programmed automatic programmes" mode

This operating mode can only be activated if the device is operating in stand alone mode or as master in a master-slave combination. This setting is only relevant if the device is not controlled via DMX.

You can set the colour, speed, flashing frequency (strobe effect) and fade speed for 10 programmes.

1. Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]*until the display shows *'EDIT'*. Confirm the selection with *[ENTER]*.

2. Use *[UP]* and *[DOWN]* to select a value between *'Pro01'* and *'Pro10'* and press *[ENTER]* to call up the programme you want to change.

3. You can now use *[UP]* and *[DOWN]* to select the submenu (R, G, b, W, S, t, F). Confirm the selection with *[ENTER]*.

4. Use *[UP]* and *[DOWN]* to set the individual values:

- R: Red intensity, value between *'000'* and *'255'*
- G: Green intensity, value between *'000'* and *'255'*
- b: Blue intensity, value between *'000'* and *'255'*
- W: White intensity, value between *'000'* and *'255'*
- S: Strobe effect, value between *'00'* and *'20'* (0 … 20 Hz)
- t: Speed, value between *'000'* and *'255'*
- F: Fade speed, value between *'000'* and *'255'*

5. Confirm the selection with *[ENTER]*.

DMX mode

This setting is only relevant when the device is controlled via DMX.

1. Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]*until the display shows *'RUN'*. Confirm the selection with *[ENTER]*.
2. Use *[UP]* and *[DOWN]* if necessary to select *'dMX'* and press *[ENTER]*.

Keep this setting and do not return to the main menu if you want to operate the device in DMX mode.

DMX address

For DMX operation, you have to set the number of the first DMX channel used by the device (DMX address).

1. Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]* until *'DMX Address'* appears on the display. Confirm the selection with *[ENTER]*.
2. Use *[UP]* and *[DOWN]* to select a value between 1 and 512 (Display *'DMX Addr: 001'* … *'DMX Addr: 512'*).
3. Confirm the selection with *[ENTER]*.

Make sure that this number matches the configuration of your DMX controller. The following table shows the highest possible DMX address for the various DMX modes.

Mode	Highest possible first DMX address
3-channel	510
6-channel	507
7-channel	506
8-channel	505
9-channel	504
10-channel	503
15-channel	498

Selecting DMX operating modes

1. Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]* until *'Personality'* appears on the display. Confirm the selection with *[ENTER]*.
2. Now use *[UP]* and *[DOWN]* to select one of the following DMX operating modes:
   - *'STAGE'* (15 channels)
   - *'Arc.1'* (six channels – 2 × RGB)
   - *'Ar1.d'* (seven channels – 2 × RGB + dimmer)
   - *'Arc.2'* (eight channels – 2 × RGBW)
   - *'Ar2.d'* (nine channels – 2 × RGBW + dimmer)
   - *'Ar2.s'* (ten channels – 2 × RGBW + dimmer + Strobe)
   - *'HSv'* (three channels – hue (hue), saturation (saturation), brightness (value))
3. Confirm the selection with *[ENTER]*.

ID address assignment

Each DMX address can be assigned up to 66 ID addresses. This makes it possible to group devices. In 15-channel DMX mode, it is then possible to control the devices in a group (identical DMX address) together (via channels 1 to 14) or individually by making a further distinction in channel 15 on the basis of IDs.

1. Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]* until *'ID Address'* appears on the display. Confirm the selection with *[ENTER]*.
2. You can now use *[UP]* and *[DOWN]* to select one of 66 ID addresses.
3. Confirm the selection with *[ENTER]*.

“Slave” mode

This setting is only relevant if the device is serving as a slave in a master/slave configuration and is not controlled via DMX.

1. Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]*until the display shows *‘RUN’*. Confirm the selection with *[ENTER]*.

2. Use *[UP]* and *[DOWN]* if necessary to select *‘SLA’* and press *[ENTER]*.

Settings

These submenus are used to make the system settings.

→ Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]*repeatedly until the display shows *'SET'*. Confirm the selection with *[ENTER]*.

The following submenus are available:

- *'UPLD'*:
  Starts the upload (copying from the master device to the slave devices) of the pre-programmed automatic programmes. You need to enter a password. To do so, press *[UP]*, *[DOWN]*, *[UP]*, *[DOWN]* and then *[ENTER]*.
  The slave devices indicate the progress of the upload:
  – Lit up yellow: Upload in progress
  – Lit up red: an error has occurred
  – Lit up green: the upload has been completed successfully
- *'REST'*:
  Performs a reset to default values. You need to enter a password. To do so, press *[UP]*, *[DOWN]*, *[UP]*, *[DOWN]* and then *[ENTER]*.
- *'Id'*:
  Used to enable (*'on'*) or disable (*'oFF'*) the application of ID addressing via the DMX controller.
- *'REGW'*:
  Used to specify whether the white colour is determined via RGB=255,255,255 (*'Yes'*) or manually defined via the CAL2 menu (*'No'*).
- *'dim'*:
  Sets the dimmer mode or speed:
  – Setting *'oFF'*: The changes of the dimmer and RGBW are linear.

– Settings *'dim1'*, *'dim2'*, *'dim3'* *'dim4'*: Speed modes for the non-linear dimmer; "dim1" is the fastest, "dim4" is the slowest.

Setting the colour temperature for white

11 different pre-programmed values for the white colour temperature can be edited.

1. Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]* until *'CAL1 white'* appears on the display. Confirm the selection with *[ENTER]*.

2. Now use *[UP]* and *[DOWN]* to call up one of the 11 pre-defined settings for white (*'WT01'* … *'WT11'*).

3. Confirm the selection with *[ENTER]*.

4. Use *[UP]* and *[DOWN]* to set the individual values:

- R: Red intensity, value between *'000'* and *'255'*
- G: Green intensity, value between *'000'* and *'255'*
- b: Blue intensity, value between *'000'* and *'255'*
- W: White intensity, value between *'000'* and *'255'*

5. Confirm the selection with *[ENTER]*.

Defining different white values

1. Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]*until the display shows *'CAL2'*. Confirm the selection with *[ENTER]*.

   ⇨ *'REGW'* appears on the display.

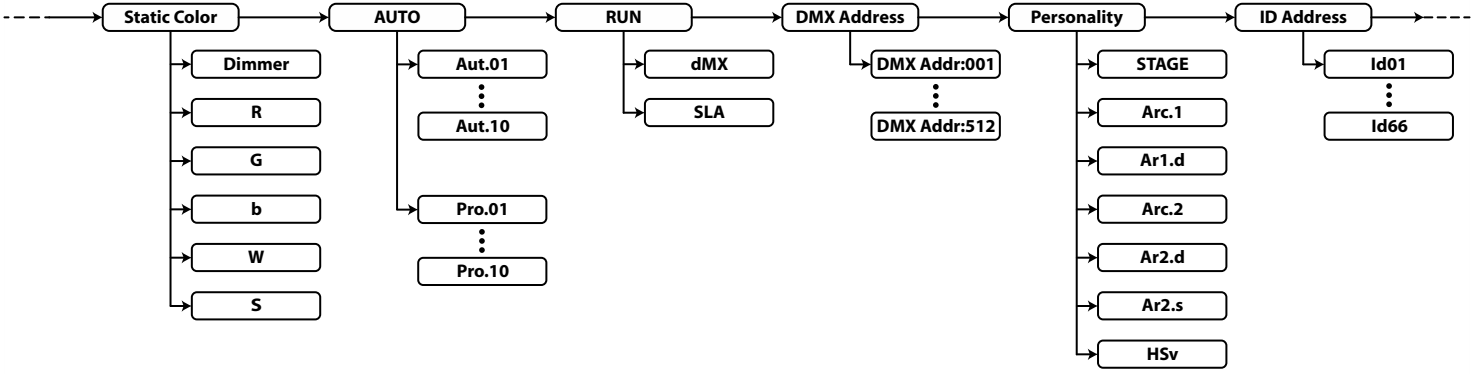
2. Press *[ENTER]*.
3. Use *[UP]* and *[DOWN]* to set the individual values:
   - R: Red intensity, value between *'000'* and *'255'*
   - G: Green intensity, value between *'000'* and *'255'*
   - b: Blue intensity, value between *'000'* and *'255'*
4. Confirm the selection with *[ENTER]*.

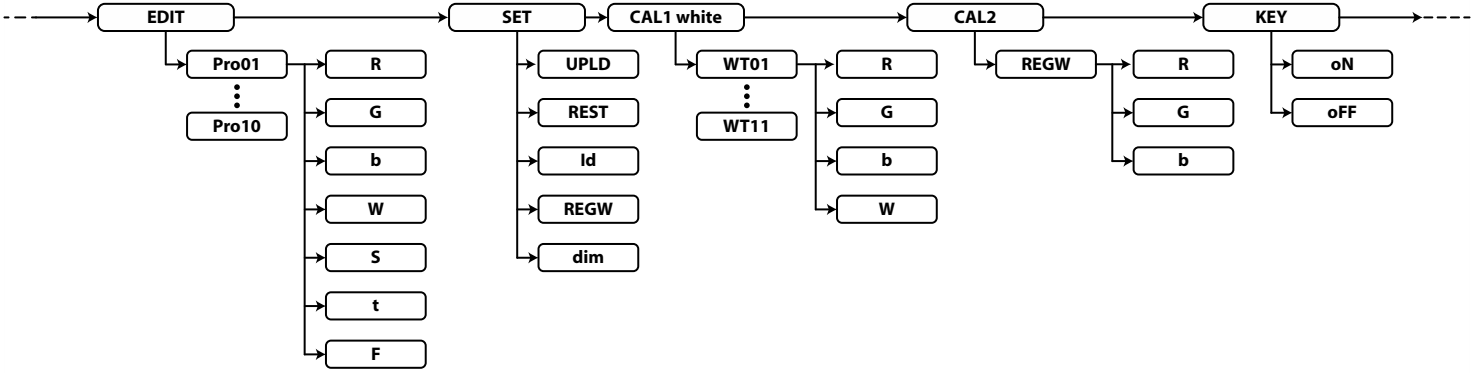
Activating/deactivating the access lock

You can specify whether you want to activate or deactivate an access lock. The locking combination is: *[UP] [DOWN] [UP] [DOWN]*.

1. Press *[MENU]* to access the main menu, then press *[UP]* or *[DOWN]*until the display shows *'KEY'*. Confirm the selection with *[ENTER]*.
2. Use *[UP]* and *[DOWN]* to choose between *'oN'* and *'oFF'*.
3. Confirm the selection with *[ENTER]*.

7.3 Menu overview




EDIT
SET
CAL1 white
CAL2
KEY
Pro01
Pro10
R
G
b
W
S
t
F
UPLD
REST
Id
REGW
dim
WT01
WT11
R
G
b
W
REGW
R
G
b
oN
oFF

7.4 Functions in 3-channel DMX mode (HSV)

Channel	Value	Function
1	0…255	Hue (0% to 100%)
2	0…255	Saturation (0% to 100%)
3	0…255	Dimmer (0% to 100%)

7.5 Functions in 6-channel DMX mode (Arc.1)

Channel	Value	Function
1	0…255	Red intensity (0% to 100% %), panel 1
2	0…255	Green intensity (0% to 100 %), panel 1
3	0…255	Blue intensity (0% to 100 %), panel 1
4	0…255	Red intensity (0% to 100% %), panel 2
5	0…255	Green intensity (0% to 100 %), panel 2
6	0…255	Blue intensity (0% to 100 %), panel 2

7.6 Functions in 7-channel DMX mode (Ar1.d)

Channel	Value	Function
1	0…255	Dimmer (0% to 100%)
2	0…255	Red intensity (0% to 100% %), panel 1
3	0…255	Green intensity (0% to 100 %), panel 1
4	0…255	Blue intensity (0% to 100 %), panel 1
5	0…255	Red intensity (0% to 100% %), panel 2
6	0…255	Green intensity (0% to 100 %), panel 2
7	0…255	Blue intensity (0% to 100 %), panel 2

7.7 Functions in 8-channel DMX mode (Arc.2)

Channel	Value	Function
1	0…255	Red intensity (0% to 100% %), panel 1
2	0…255	Green intensity (0% to 100 %), panel 1
3	0…255	Blue intensity (0% to 100 %), panel 1
4	0…255	White intensity (0% to 100%) %), panel 1
5	0…255	Red intensity (0% to 100% %), panel 2
6	0…255	Green intensity (0% to 100 %), panel 2
7	0…255	Blue intensity (0% to 100 %), panel 2
8	0…255	White intensity (0% to 100%) %), panel 2

7.8 Functions in 9-channel DMX mode (Ac2.d)

Channel	Value	Function
1	0…255	Dimmer (0% to 100%)
2	0…255	Red intensity (0% to 100% %), panel 1
3	0…255	Green intensity (0% to 100 %), panel 1
4	0…255	Blue intensity (0% to 100 %), panel 1
5	0…255	White intensity (0% to 100%) %), panel 1
6	0…255	Red intensity (0% to 100% %), panel 2
7	0…255	Green intensity (0% to 100 %), panel 2
8	0…255	Blue intensity (0% to 100 %), panel 2
9	0…255	White intensity (0% to 100%) %), panel 2

7.9 Functions in 10-channel DMX mode (Ac2.s)

Channel	Value	Function
1	0…255	Dimmer (0% to 100%)
2	0…255	Red intensity (0% to 100% %), panel 1
3	0…255	Green intensity (0% to 100 %), panel 1
4	0…255	Blue intensity (0% to 100 %), panel 1
5	0…255	White intensity (0% to 100%) %), panel 1
6	0…255	Red intensity (0% to 100% %), panel 2
7	0…255	Green intensity (0% to 100 %), panel 2
8	0…255	Blue intensity (0% to 100 %), panel 2
9	0…255	White intensity (0% to 100%) %), panel 2
10	0…255	Strobe effect (0 Hz to 20 Hz)

7.10 Functions in 15-channel DMX mode (STAGE)

Channel	Value	Function
1	0…255	Dimmer (0% to 100%)
2	0…255	Red intensity (0% to 100% %), panel 1 Setting for the speed when one of the pre-programmed automatic programmes is active (channel 8)
3	0…255	Green intensity (0% to 100 %), panel 1 Setting for the fade speed when one of the pre-programmed automatic programmes is active (channel 8)
4	0…255	Blue intensity (0% to 100 %), panel 1
5	0…255	White intensity (0% to 100%) %), panel 1
6	0…255	Red intensity (0% to 100% %), panel 2
7	0…255	Green intensity (0% to 100 %), panel 2
8	0…255	Blue intensity (0% to 100 %), panel 2
9	0…255	White intensity (0% to 100%) %), panel 2
10	0…10	No function

Channel	Value	Function
	11…20	Red 100%, green intensity (0% to 100 % fade-in; if channel 11 = 0, no change), blue 0%, white 0%
	21…30	Red intensity (0% to 100% % fade-in; if channel 11 = 0, no change), green 100%, blue 0%, white 0%
	31…40	Red 0%, green 100%, blue intensity (0% to 100 % fade-in; if channel 11 = 0, no change), white 0%
	41…50	Red 0%, green intensity (0% to 100 % fade-in; if channel 11 = 0, no change), blue 100%, white 0%
	51…60	Red intensity (0% to 100% % fade-in; if channel 11 = 0, no change), green 0%, blue 100%, white 0%
	61…70	Red 100%, green 0%, blue intensity (0% to 100 % fade-in; if channel 11 = 0, no change), white 0%
	71…80	Red 100%, green 0%, blue 0%, white intensity (0% to 100 % fade-in; if channel 11 = 0, no change)
	81…90	Red 100%, green 0%, blue 0%, white intensity (0% to 100 % fade-in; if channel 7 = 0, no change)
	91…100	Colour transitions, speed controlled by channel 11
	101…110	Colour transitions, speed controlled by channel 11
	111…120	Colour transitions, speed controlled by channel 11

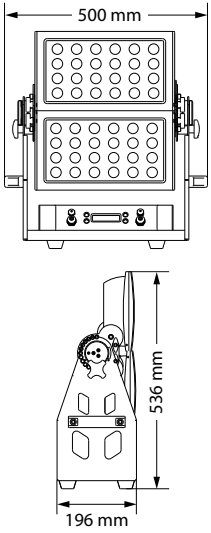
Channel	Value	Function
	121…130	Colour transitions, speed controlled by channel 11
	131…140	Colour transitions, speed controlled by channel 11
	141…150	Colour transitions, speed controlled by channel 11
	151…160	Colour transitions, speed controlled by channel 11
	161…170	Colour transitions, speed controlled by channel 11
	171…180	Colour transitions, speed controlled by channel 11
	181…190	Colour transitions, speed controlled by channel 11
	191…200	RGBW
	201…205	White 1
	206…210	White 2
	211…215	White 3
	216…220	White 4
	221…225	White 5
	226…230	White 6
	231…235	White 7
	236…240	White 8

Channel	Value	Function
	241…245	White 9
	246…250	White 10
	251…255	White 11
11	0…255	if channel 10 (11…90), fade-in speed of specified colour; if channel 10 (91…190), speed of colour transitions
	0…15	No function
	16…255	Strobe effect (0 Hz to 20 Hz) of channels 2 to 9
12	0…9	No function
	10…19	Pre-programmed automatic show 1
	20…29	Pre-programmed automatic show 2
	30…39	Pre-programmed automatic show 3
	40…49	Pre-programmed automatic show 4
	50…59	Pre-programmed automatic show 5
	60…69	Pre-programmed automatic show 6
	70…79	Pre-programmed automatic show 7
	80…89	Pre-programmed automatic show 8

Channel	Value	Function
	90…99	Pre-programmed automatic show 9
	100…109	Pre-programmed automatic show 10
	110…255	No function
13	0…255	Speed if pre-programmed automatic shows are activated (channel 12, values 10…109)
14	0…49	The dimmer is off, the changes to dimmer and RGBW are linear
	50…99	Dimmer speed 1
	100…149	Dimmer speed 2
	150…199	Dimmer speed 3
	200…255	Dimmer speed 4
15	Assignment of the ID addresses for the set DMX address	
	0…9	All IDs
	10…19	Id1
	20…29	Id2
	...	...
	200…209	Id20
	210	Id21

Channel	Value	Function
	211	Id22
	...	...
	255	Id66

8 Technical specifications



Light source	48 × QCL LEDs (RGBW, 10 W each)	
Optical properties	Beam angle	45°
Control	DMX, display and buttons on the device	
Number of DMX channels	3, 6, 7, 8, 9, 10 or 15	
Input connections	Power supply	Mains cable with open cable end without plug
	DMX control	XLR cable with open cable end without plug
Output connections	Power supply	Mains cable with open cable end without plug Output current, max.: 6 A
	DMX control	XLR cable with open cable end without plug
Power consumption	492 W	
Supply voltage	100 - 240 V ~ 50/60 Hz	
International Protection Rating	IP65	

Mounting options	Hanging, standing	
Dimensions (W × H × D)	500 mm × 536 mm × 196 mm	
Weight	23.5 kg	
Ambient conditions	Temperature range	0 °C…40 °C
	Relative humidity	20%…80% (non-condensing)

Further information

Lamp type	LED
Light output	480 W
Colour mix	RGBW
Outdoor housing design	Flood light
LED type	x-in-1
Floor housing	Yes
Fanless	No
Remote control	No
Wireless DMX	No
Housing colour	Black

9 Plug and connection assignment

Introduction

This chapter will help you select the right cables and plugs to connect your valuable equipment so that a perfect light experience is guaranteed.

Please take our tips, because especially in 'Sound & Light' caution is indicated: Even if a plug fits into a socket, the result of an incorrect connection may be a destroyed DMX controller, a short circuit or 'just' a not working light show!

DMX connections

A three-pole coupling in IP65 design is used as DMX output, a three-pole plug in IP65 design is used as DMX input. The drawing below and the table show the pin assignment of a matching coupling.

Pin	Assignment
1	Ground (shielding)
2	Signal inverted (DMX–, 'cold')
3	Signal (DMX+, 'hot')

10 Troubleshooting

NOTICE!

Data transfer errors due to improper wiring!

If the DMX connections are wired incorrectly, this can cause errors during the data transfer.

Do not connect the DMX input and output to audio devices, e.g. mixers or amplifiers.

Use special DMX cables for the wiring instead of normal microphone cables.

In the following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

Symptom	Remedy
The device is not working, no light, the fan is not running	Check the mains connection and main fuse.
No response to the DMX controller	1. Check the DMX connections and cables for proper connection
	2. Check the address settings and the DMX polarity.
	3. Try using another DMX controller.
	4. Check whether the DMX cables run near or parallel to high-voltage cables that may cause damage or interference to a DMX interface circuit.
Unintended light effects	Make sure that the DMX channel assignments of the devices do not overlap, and that the DMX start address of devices with independent control is always higher by the number of channels that have been set for the DMX mode on another device.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at *www.thomann.de*.

11 Cleaning

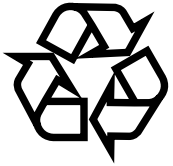
Optical lenses

Clean the optical lenses, that are accessible from the outside, regularly in order to optimize the light output. The frequency of cleaning depends on the operating environment: wet, smoky or particularly dirty surroundings can cause more accumulation of dirt on the optics of the device.

- Clean with a soft cloth using our lamp and lens cleaner (item no. 280122).
- Always dry the parts carefully.

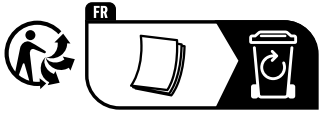
12 Protecting the environment

Disposal of the packing material



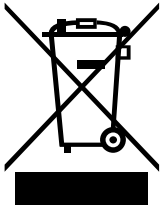
Environmentally friendly materials have been chosen for the packaging. These materials can be sent for normal recycling. Ensure that plastic bags, packaging, etc. are disposed of in the proper manner.

Do not dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the instructions and markings on the packaging.



Observe the disposal note regarding documentation in France.

Disposal of your old device



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) as amended.

Do not dispose of your old device with your normal household waste; instead, deliver it for controlled disposal by an approved waste disposal firm or through your local waste facility. If in doubt, consult your local waste management facility. You can also return the device to a retailer if they offer to take the device back for free or if they are legally obliged to do so. When disposing of the device, comply with the rules and regulations that apply in your country. You can also return your old device to Thomann GmbH at no charge. Check the current conditions on *www.thomann.de*.

Proper disposal protects the environment as well as the health of your fellow human beings. This is because the proper handling of old devices negates the potential negative effects of hazardous substances, and because it conserves resources by recycling them.

Also note that waste avoidance is a valuable contribution to environmental protection. Repairing a device or passing it on to another user is an ecologically valuable alternative to disposal.

If your old device contains personal data, delete those data before disposing of it.