ignition

2bright Pint FC150 IP

LED spotlight

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1 General information

This user manual contains important information on the safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to another user, be sure that they also receive this manual.

Our products and user manuals are subject to a process of continuous development. We therefore reserve the right to make changes without notice. Please refer to the latest version of the user manual which is ready for download under *www.thomann.de*.

1.1 Further information

On our website (*www.thomann.de)* you will find lots of further information and details on the following points:

Download	This manual is also available as PDF file for you to download.
Keyword search	Use the search function in the electronic version to find the topics of interest for you quickly.
Online guides	Our online guides provide detailed information on technical basics and terms.
Personal consultation	For personal consultation please contact our technical hotline.
Service	If you have any problems with the device the customer service will gladly assist you.

1.2 Notational conventions

This manual uses the following notational conventions:

Letterings

The letterings for connectors and controls are marked by square brackets and italics.

Examples: *[VOLUME]* control, *[Mono]* button.

Displays

Texts and values displayed on the device are marked by quotation marks and italics.

Examples: *'24ch'*, *'OFF'*.

Text input

Text inputs that are carried out on the device are indicated by typewriter font.

Example: 2323

Instructions

The individual steps of an instruction are numbered consecutively. The result of a step is indented and highlighted by an arrow.

Example:

1. ▶ Switch on the device.

2. ▶ Press *[Auto]*.

   ⇨ Automatic operation is started.

3. ▶ Switch off the device.

1.3 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 manual.

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 signs	Type of danger
	Warning – dangerous optical radiation.
	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 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 life of the device by regular breaks in operation and avoid switching it on and off frequently. This device is not suitable for continuous use.

Safety

> ⚠️ **DANGER!**
> **Danger for children**
> Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!
>
> Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!
>
> Never let children unattended use electrical devices.

> ⚡ **DANGER!**
> **Electric shock caused by short-circuit**
> Always use proper ready-made insulated mains cabling (power cord). Do not modify the mains cable. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.

DANGER!

Electric shock caused by high voltages inside

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 if covers, protectors or optical components are missing or damaged.

WARNING!

Eye damage caused by high light intensity

Never look directly into the light source.

WARNING!

Risk of epileptic shock

Strobe lighting can trigger seizures in photosensitive epilepsy. Sensitive persons should avoid looking at strobe lights.

WARNING!

Risk of burns

The surface of the device can become very hot during operation.

Do not touch the device with bare hands during operation, and after switching off wait for at least 15 minutes.

NOTICE!

Risk of fire

Do not block areas of ventilation. Do not install the device near any direct heat source. Keep the device away from naked flames.

!

NOTICE!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

3   Features

The device is suitable for demanding outdoor use as well as for TV and theatre.

Special features of the device:

- 1 × 4in1 RGBW COB LED (150 watt)
- Control via DMX (6 modes), RDM and via buttons and display on the unit
- Selectable colour macros and colour change programmes
- Selectable dimmer curves and dimmer speeds
- Adjustable LED repetition rates from 900 to 10.000 Hz
- Fan control with "Silent mode"
- Double bracket with omega bracket
- Protection class IP65

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.

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.

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.

> **WARNING!**
>
> **Risk of injury caused by falling objects**
>
> Make sure that the installation complies with the standards and rules 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

Always ensure sufficient ventilation.

The ambient temperature must not exceed the limits stated in the chapter Technical Specifications of the User Manual.

!

NOTICE!

Use of stands

When mounting the device onto a stand, ensure that the stand is in a safe and stable position and that the weight of the device does not exceed the maximum permissible load capacity of the stand.

!

NOTICE!
Possible data transmission errors

For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.

Never connect the DMX input or output to audio devices such as mixers or amplifiers.

!

NOTICE!
Possible damage due to moisture

Moisture entering into open connectors (plugs and couplers) of DMX or power cords can cause short circuits.

Close unused connectors with end caps intended for this purpose (*www.thomann.de*).

Mounting options

You can install the unit in hanging or standing position. When in use, the device must always be attached to a solid surface or an approved truss. Use the openings of the bracket provided for mounting.

Always work from a stable platform whenever installing, moving or servicing the unit. In doing so, the area underneath the unit must be cordoned off.

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).
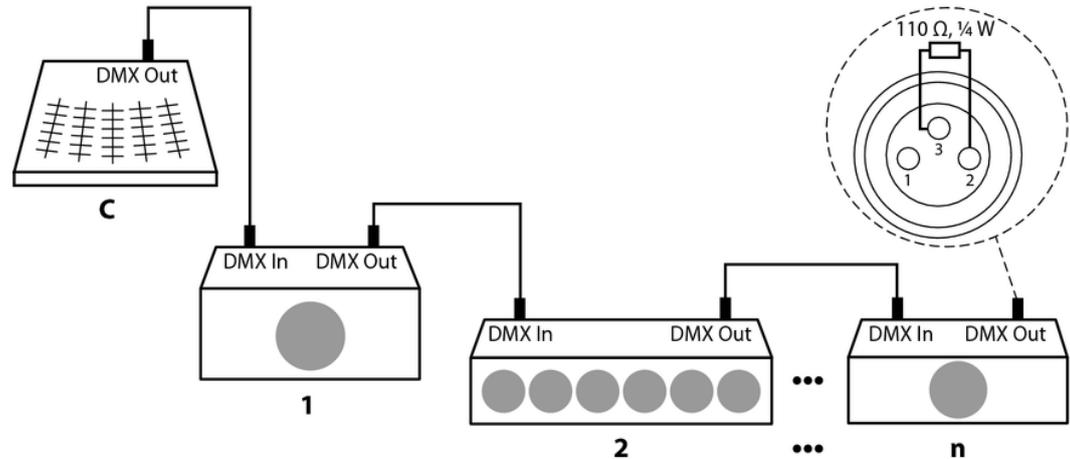
6   Connections and controls
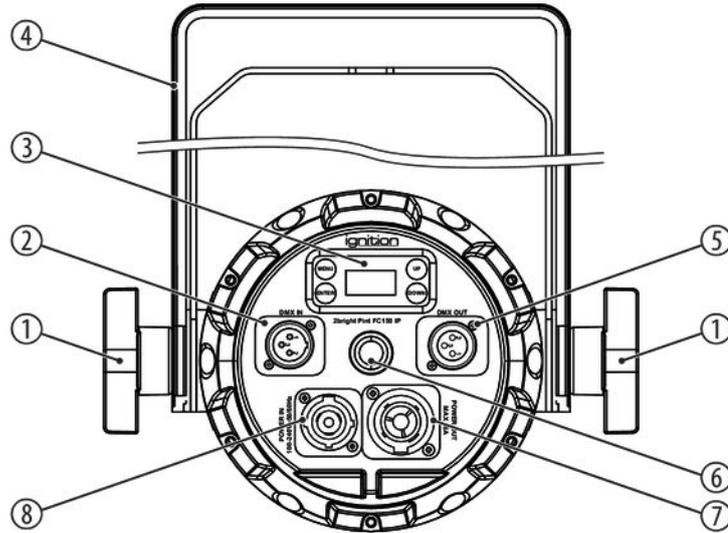
1	Locking screws for the brackets.
2	*[DMX IN]* DMX input, designed as 3-pin XLR panel plug (IP65)
3	Display and keypad *[MENU]* Activates the main menu, toggles between the menu levels or closes a submenu. *[DOWN]* Decreases the displayed value by one. *[UP]* Increases the displayed value by one. *[ENTER]* Opens a submenu or confirms a value.
4	Bracket for floor placement or hanging

5	*[DMX OUT]* DMX output, designed as 3-pin XLR panel socket (IP65)
6	Pressure compensation element
7	*[POWER OUT]* Lockable chassis socket (Power Twist TR1 IP65) for the power supply of another device
8	*[POWER IN]* Lockable chassis socket (Power Twist TR1 IP65) for the power supply of the device

7   Operating

7.1 Starting the device

Connect the device to the power supply to start operation. The LED lights. The device is imme-
diately operational.

7.2 Operating on the unit

Navigating in the menu

1. Press *[MENU]* to activate the main menu.

2. Press again *[MENU]* or *[UP]* or *[DOWN]* to call up further menu items.

3. To activate the respectively shown menu item, press *[ENTER]*.

4. Press *[UP]* or *[DOWN]* to change the respectively indicated value.

5. Press *[ENTER]* to apply the displayed value.

6. To exit a menu item without making changes, press *[MENU]*.

All set values are retained even when you switch the device off and disconnect it from the mains.

Setting the DMX address

1. ▸ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'DMX Address'*. Confirm with *[ENTER]*.

2. ▸ Use *[UP]* or *[DOWN]* to select the desired DMX address between *'001'* and *'512'*.

3. ▸ Press *[ENTER]* to accept the selection.

This setting is only relevant when the device is controlled via DMX. 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	Display	Highest possible DMX address
1-channel	*'1CH'*	512
2-channel	*'2CH'*	511
4-channel	*'4CH'*	509
6-channel	*'6CH'*	507

Mode	Display	Highest possible DMX address
8-channel	*'8CH'*	505
11-channel	*'11CH'*	502

Setting the DMX mode

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'DMX Mode'*. Confirm with *[ENTER]*.

2. ▶ Use *[UP]* or *[DOWN]* to select the desired DMX mode (1, 2, 4, 6, 8, or 11 channels). Depending on the selected mode, the display shows *'1CH'*, *'2CH'*, *'4CH'*, *'6CH'*, *'8CH'* or *'11CH'*.

3. ▶ Press *[ENTER]* to accept the selection.

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

Selecting and configuring a pre-programmed automatic show konfigurieren

In this operating mode you select one of the preprogrammed automatic shows and configure the speed and the dimmer intensity of the selected show.

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Stand Alone'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Auto'*. Confirm the selection with *[ENTER]*.

3. ▶ Use *[UP]* or *[DOWN]* to select the desired automatic show (display shows *'Program 1'* … *'Program 17'*). In submenu *'Program 17'*, programs 1 to 16 are played in random order. Confirm with *[ENTER]*.

4. ▶ Press *[UP]* or *[DOWN]* to select the desired submenu or the desired value.

   The following sub menus are available:

Menu level 4	Menu level 5	Function
'Dimmer'	*'000…255'*	Dimmer intensity
'Speed'	*'000…255'*	Running speed from slow to fast

5. ▶ Press *[ENTER]* to accept the selection.

Setting colour macro

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Stand Alone'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Color Macro'*. Confirm with *[ENTER]*.

3. ▶ Use *[UP]* or *[DOWN]* to select one of the 46 colour macros (display shows *'Color1'* … *'Color46'*) or turn off the colour (display shows *'Color Off'*). Confirm with *[ENTER]*.

The following colour macros are available:

Colour macro	Colour mixture R/G/B/W		Colour macro	Colour mixture R/G/B/W
1	255/0/0/0		24	50/0/255/0
2	255/15/0/0		25	95/0/255/0
3	255/35/0/0		26	130/0/255/0
4	255/70/0/0		27	190/0/255/0
5	255/125/0/0		28	225/0/255/0
6	255/170/0/0		29	255/0/255/0

Colour macro	Colour mixture R/G/B/W		Colour macro	Colour mixture R/G/B/W
7	255/210/0/0		30	255/0/220/0
8	255/255/0/0		31	255/0/170/0
9	200/255/0/0		32	255/0/95/0
10	160/255/0/0		33	255/0/70/0
11	110/255/0/0		34	0/0/40/0
12	70/255/0/0		35	255/0/20/0
13	0/255/0/0		36	255/0/7/0
14	0/255/10/0		37	0/0/0/255
15	0/255/25/0		38	255/0/0/255
16	0/255/45/0		39	125/0/0/255
17	0/255/70/0		40	0/255/0/255
18	0/255/120/0		41	0/120/0/255

Colour macro	Colour mixture R/G/B/W		Colour macro	Colour mixture R/G/B/W
19	0/255/255/0		42	0/0/255/255
20	0/180/255/0		43	0/0/100/255
21	0/70/255/0		44	0/0/50/255
22	0/0/255/0		45	198/145/15/0
23	20/0/255/0		46	198/145/17/255

4. ▸ Press *[UP]* or *[DOWN]* to select the desired value for the intensity of the colour macro (display shows *'006'* … *'255'*).

5. ▸ Press *[ENTER]* to accept the selection.

Setting constant colour

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Stand Alone'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Manual'*. Confirm with *[ENTER]*.

3. ▶ Use *[UP]* or *[DOWN]* to select an effect or a colour that you can to adjust individually. Confirm with *[ENTER]*.

4. ▶ Press *[UP]* or *[DOWN]* to select the desired submenu or the desired value.

The following sub menus are available:

Menu level 3	Menu level 4	Function
'Dimmer'	*'000…255'*	Dimmer intensity
'Strobe'	*'0…30Hz'*	Strobe effect from 0 to 30 Hz
'Red'	*'000…255'*	Red
'Green'	*'000…255'*	Green
' Blue'	*'000…255'*	Blue
'White'	*'000…255'*	White

Menu level 3	Menu level 4	Function
'CTC'	'OFF'	No function
	'3000K…7500K'	Colour temperature of 3000 K to 7500 K

5. ▶ Press *[ENTER]* to accept the selection.

Rotating the Display

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Settings'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Display Reverse'*. Confirm with *[ENTER]*.

3. ▶ Use *[UP]* or *[DOWN]* to select either *'On'* (display rotated by 180 °) or *'Off'* (display not rotated).

4. ▶ Press *[ENTER]* to accept the selection.

Setting display illumination

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Settings'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Display Backlight'*. Confirm with *[ENTER]*.

3. ▶ Use *[UP]* or *[DOWN]* to choose between *'On'* (display permanently on) and *'Off'* (display turns off after a few seconds in case of inactivity).

4. ▶ Press *[ENTER]* to accept the selection.

Setting the behaviour on DMX control failure

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Settings'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'DMX Fail'*. Confirm with *[ENTER]*.

3. ▶ Use *[UP]* or *[DOWN]* to choose between *'Hold'*, *'Blackout'*, *'ProgramMix'* and *'ManualMode'* to make the setting to be used when the DMX controller fails.

   The following sub menus are available:

Menu level 3	Function
'Hold Last'	The last effect is being held.
'Blackout'	The spotlight is turned off.
'ProgamMix'	The automatic preprogrammed shows are played.
'Manual'	The device is switched to manual operation.

4. ▶ Press *[ENTER]* to accept the selection.

Setting the dimmer curve

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Settings'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Dimmer Curve'*. Confirm with *[ENTER]*.

3. ▶ Use *[UP]* or *[DOWN]* to select the desired dimmer curve.

   The following sub menus are available:

Menu level 3	Function
'Linear'	without fade time: Rise time 0 ms, fall time 0 ms
	Fade time 1 s: Rise time 0 ms, fall time 0 ms
'Stage'	without fade time: Rise time 780 ms, fall time 1100 ms
	Fade time 1 s: Rise time 1540 ms, fall time 1660 ms
'TV'	without fade time: Rise time 1180 ms, fall time 1520 ms
	Fade time 1 s: Rise time 1860 ms, fall time 1940 ms

Menu level 3	Function
'Archite'	without fade time: Rise time 1380 ms, fall time 1730 ms
	Fade time 1 s: Rise time 2040 ms, fall time 2120 ms
'Theatre'	without fade time: Rise time 1580 ms, fall time 1940 ms
	Fade time 1 s: Rise time 2230 ms, fall time 2280 ms
'Stage2'	without fade time: Rise time 0 ms, fall time 1100 ms
	Fade time 1 s: Rise time 0 ms, fall time 1660 ms

4. ▶ Press *[ENTER]* to accept the selection.

Setting the dimmer speed

The dimmer speed can only be set for the *'Stage2'* dimmer curve.

1. ▸ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Settings'*. Confirm with *[ENTER]*.

2. ▸ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Dimmer Speed'*. Confirm with *[ENTER]*.

3. ▸ Use *[UP]* or *[DOWN]* to select a dimmer speed between 0.1…0.9 seconds and 1…10 seconds (display shows *'0.1-0.9s'* … *'1-10s'*).

4. ▸ Press *[ENTER]* to accept the selection.

Enabling keylock

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Settings'* . Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Auto Lock'* . Confirm with *[ENTER]*.

3. ▶ Use *[UP]* or *[DOWN]* to choose between *'On'* (keylock on) and *'Off'* (keylock off).

4. ▶ Press *[ENTER]* to accept the selection.

Simultaneously press *[UP]* and *[DOWN]* for 5 seconds if you want to activate the input while the keylock is activated.

Setting fan mode

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Settings'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Fan Mode'*. Confirm with *[ENTER]*.

3. ▶ Use *[UP]* or *[DOWN]* to select the desired fan mode.

   The following sub menus are available:

Menu level 3	Function
'Smart'	The fan speed is controlled automatically by the device temperature.
'Silent'	The fan is off (silent mode). The device temperature is controlled by reducing the power consumption to a maximum of 70 W.
'Max'	The fan runs at maximum speed.

4. ▶ Press *[ENTER]* to accept the selection.

LED repetition rate (PWM)

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Settings'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'PWM Rate'*. Confirm with *[ENTER]*.

3. ▶ Use *[UP]* or *[DOWN]* to select the value for the LED repetition rate. The following table shows the available options.

Menu level 3	Function
'900Hz'	PWM 900 Hz
'1000Hz'	PWM 1.5 kHz
'1100Hz'	PWM 1.1 kHz
'1200Hz'	PWM 1.2 kHz
'1300Hz'	PWM 1.3 kHz
'1400Hz'	PWM 1.4 kHz
'1500Hz'	PWM 1.5 kHz

Menu level 3	Function
'2500Hz'	PWM 2.5 kHz
'4000Hz'	PWM 4 kHz
'5000Hz'	PWM 5 kHz
'6000Hz'	PWM 6 kHz
'10000Hz'	PWM 10 kHz

4. ▶ Press *[ENTER]* to accept the selection.

Resetting the device to factory defaults

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Settings'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Service'*. Confirm with *[ENTER]*.

3. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Reset'*. Confirm with *[ENTER]*.

   ⇨ You are prompted to enter a password.

4. ▶ Enter the password `11`.

5. ▶ Press *[ENTER]*.

   ⇨ The device is reset to factory default settings.

Calibrating colours

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'Settings'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* repeatedly until the display shows *'Calibration'*. Confirm with *[ENTER]*.

   ⇨ You are prompted to enter a password.

3. ▶ Enter the password 50. Confirm with *[ENTER]*.

4. ▶ Use *[UP]* or *[DOWN]* to select the value for the colour calibration. The following table shows the available options.

Menu level 4	Menu level 5	Function
'Red'	*'000…255'*	Calibration of red
'Green'	*'000…255'*	Calibration of green
'Blue'	*'000…255'*	Calibration of blue
'White'	*'000…255'*	Calibration of white

5. ▶ Press *[ENTER]* to accept the selection.

Firmware version display

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'System Info'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* until the display shows *'Firmware'*.

   ⇨ The current firmware version is displayed.

LED operating hours display

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'System Info'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* until the display shows *'LED On Time'*.

   ⇨ The operation hours of the LED are displayed.

Device operating hours display

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'System Info'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* until the display shows *'Operation Hours'*.

   ⇨   The operation hours of the device are displayed.

Show device temperature

1. ▶ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'System Info'*. Confirm with *[ENTER]*.

2. ▶ Press *[UP]* or *[DOWN]* until the display shows *'Temperature'*.

   ⇨   The current device temperature is displayed.

RDM function

This device has an RDM function and supports the DMX512 standard. Any device with RDM can be recognized by the built-in UID code.

1. ▸ Press *[MENU]* and then *[UP]* or *[DOWN]* repeatedly until the display shows *'System Info'*. Confirm with *[ENTER]*.

2. ▸ Press *[UP]* or *[DOWN]* until the display shows *'RDM'*.

⇨ The display shows the UID code.

Parameter ID	Recognition command	Sent Command	Received Command
DISC_UNIQUE_BRANCH	*		
DISC_MUTE	*		
DISC_UN_MUTE	*		
DEVICE_INFO			*
SOFTWARE_VERSION_LABEL			*
DMX_START_ADDRESS		*	*

Parameter ID	Recognition command	Sent Command	Received Command
IDENTIFY_DEVICE		*	*
SUPPORTED_PARAMETERS			*
SENSOR_DEFINITION			*
SENSOR_VALUE			*
DMX_PERSONALITY		*	*
DMX_PERSONALITY_DESCRIPTION			*
RESET_DEVICE		*	
FACTORY_DEFAULTS		*	

7.3 Menu overview
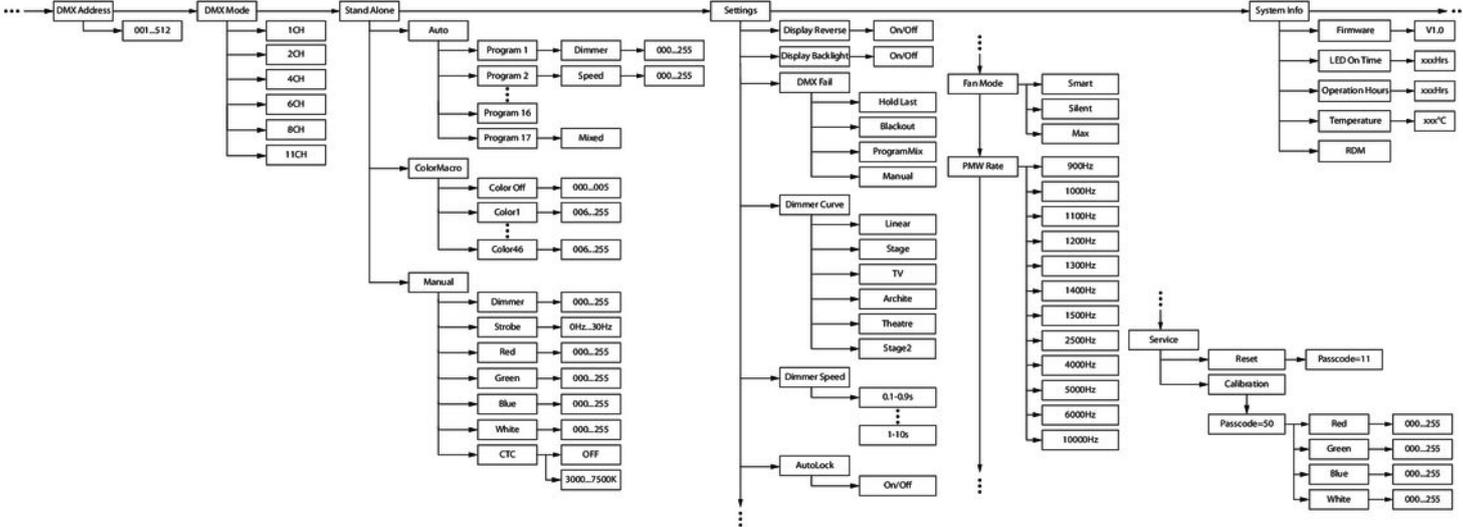
7.4 Functions in 1-channel DMX mode

Channel	Value	Function
1		Blinder mode

7.5 Functions in 2-channel DMX mode

Channel	Value	Function
1	000…255	Dimmer intensity from dark (0) to bright (255)
2	Colour macros	
	000…007	No function
	008…255	Colour macros 1…46

7.6   Functions in 4-channel DMX mode

Channel	Value	Function
1	000…255	Intensity red (0 %…100 %)
2	000…255	Intensity green (0 %…100 %)
3	000…255	Intensity blue (0 %…100 %)
4	000…255	Intensity white (0 %…100 %)

7.7   Functions in 6-channel DMX mode

Channel	Value	Function
1	000…255	Dimmer intensity from dark (0) to bright (255)
2	000…255	Intensity red (0 %…100 %)
3	000…255	Intensity green (0 %…100 %)

Channel	Value	Function
4	000…255	Intensity blue (0 %…100 %)
5	000…255	Intensity white (0 %…100 %)
6	Stroboscope	
	000…010	LED on
	011…020	LED off
	021…030	Singly strobe pulse
	031…090	Strobe effect, increasing speed
	091…100	LED on
	101…170	Strobe pulses (short burst with pause)
	171…180	LED on
	181…240	Random strobe effect, increasing speed
	241…255	LED on

7.8 Functions in 8-channel DMX mode

Channel	Value	Function
1	000…255	Dimmer intensity from dark (0) to bright (255)
2	000…255	Fine adjustment dimmer (0 %…100 %)
3	000…255	Intensity red (0 %…100 %)
4	000…255	Intensity green (0 %…100 %)
5	000…255	Intensity blue (0 %…100 %)
6	000…255	Intensity white (0 %…100 %)
7	Stroboscope	
	000…010	LED on
	011…020	LED off
	021…030	Single strobe pulse
	031…090	Strobe effect, increasing speed

Channel	Value	Function
	091…100	LED on
	101…170	Strobe pulses (short burst with pause)
	171…180	LED on
	181…240	Random strobe effect, increasing speed
	241…255	LED on
8		Blinder mode

7.9 Functions in 11-channel DMX mode

Channel	Value	Function
1	000…255	Dimmer intensity from dark (0) to bright (255)
2	000…255	Fine adjustment dimmer (0 %…100 %)
3	000…255	Intensity red (0 %…100 %)
4	000…255	Intensity green (0 %…100 %)
5	000…255	Intensity blue (0 %…100 %)
6	000…255	Intensity white (0 %…100 %)
7	Stroboscope	
	000…010	LED on
	011…020	LED off
	021…030	Single strobe pulse
	031…090	Strobe effect, increasing speed

Channel	Value	Function
	091…100	LED on
	101…170	Strobe pulses (short burst with pause)
	171…180	LED on
	181…240	Random strobe effect, increasing speed
	241…255	LED on
8		Blinder mode
9	Colour macros	
	000…007	No function
	008…255	Colour macros 1…46
10	Dimmer curves	
	000…010	Default setting of the device
	011…020	Dimmer curve *'Linear'*
	021…040	Dimmer curve *'Stage'*

Channel	Value	Function
	041…060	Dimmer curve *'TV'*
	061…080	Dimmer curve *'Architectural'*
	081…100	Dimmer curve *'Theatre'*
	101…120	Dimmer curve *'Stage2'*
	121	Delay 0.1 s
	122	Delay 0.2 s
	123	Delay 0.3 s
	124	Delay 0.4 s
	125	Delay 0.5 s
	126	Delay 0.6 s
	127	Delay 0.7 s
	128	Delay 0.8 s
	129	Delay 0.9 s

Channel	Value	Function
	130	Delay 1.0 s
	131	Delay 1.5 s
	132	Delay 2.0 s
	133	Delay 3.0 s
	134	Delay 4.0 s
	135	Delay 5.0 s
	136	Delay 6.0 s
	137	Delay 7.0 s
	138	Delay 8.0 s
	139	Delay 9.0 s
	140	Delay 10 s
	141…255	Default setting of the device
11	LED repetition rate	

Channel	Value	Function
	000…010	No function
	011…020	900 Hz
	021…030	1000 Hz
	031…040	1100 Hz
	041…050	1200 Hz
	051…060	1300 Hz
	061…070	1400 Hz
	071…080	1500 Hz
	081…090	2500 Hz
	091…100	4000 Hz
	101…110	5000 Hz
	111…120	6000 Hz
	121…130	10,000 Hz

Channel	Value	Function
	131…140	Default setting of the device
	Fan mode	
	141…150	Fan mode *'Silent'*
	151…160	Fan mode *'Smart'*
	161…170	Fan mode *'Max'*
	171…180	Default setting of the device
	181…255	No function

8   Technical specifications
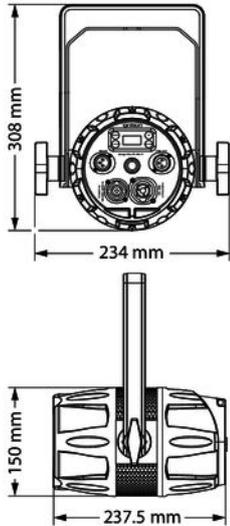
Item no.		
Light source		1 × 4in1 RBGW COB LED, 150 W
Optical properties	Beam angle	50°
	Colour temperature	7500 K
	Repetition rate	900 Hz…10 kHz
Control		DMX
		RDM
		Buttons and display
Number of DMX channels		1, 2, 4, 6, 8, 11
Input connections	Voltage supply	Lockable input socket Power Twist TR1 IP65
	DMX control	XLR panel plug (IP65), 3-pin

Item no.		
Output connections	Voltage supply	Lockable output socket Power Twist TR1 IP65
	DMX control	XLR panel socket (IP65), 3-pin
Power consumption		135 W
Operating supply voltage		100 – 240 V ∼ 50/60 Hz
Protection class		IP65
Mounting options		hanging, standing
Dimensions (W × H × D), with bracket		234 mm × 308 mm × 237.5 mm
Dimensions (W × H × D), w/o bracket		234 mm × 150 mm × 237.5 mm
Weight		4.2 kg
Ambient conditions	Temperature range	−5 ℃…+45 ℃
	Relative humidity	50 %, non-condensing

Further information

Item no.	
Construction	Outdoor housing, cannon
Number of LEDs	1
Colour mixture	RBGW
LED type	x-in-1
Floor housing	Yes
Fanless	No
Remote control	Not possible
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!**
> **Possible data transmission errors**
>
> For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.
>
> Never connect the DMX input or output to audio devices such as mixers or amplifiers.

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

Troubleshooting

Symptom	Remedy
The unit does not work, no light.	Check the mains connection and the fuse.
No response to the DMX controller.	1. Check the DMX ports and cables for proper connection.
	2. Check the address settings and the DMX polarity.
	3. Try using another DMX controller.
	4. Check to see if the DMX cables run near or alongside to high voltage cables that may cause damage or interference to DMX interface circuits.

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 packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

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

Disposal of your old device

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.

Notes