STAIRVILLE

Wild Wash
Pro 648 LED RGB DMX,
Wild Wash
Pro 648 LED White DMX

LED spotlight

Table of contents

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1   General notes

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

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'* .

Cross-references

References to other locations in this manual are identified by an arrow and the specified page number. In the electronic version of the manual, you can click the cross-reference to jump to the specified location.

Example: See ✋ *'Cross-references' on page 7*.

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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 – suspended load.
	Warning – danger zone.

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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.

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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 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.

DANGER!

Electric shock caused by short-circuit

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.

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.

!

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!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

!

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.

!

NOTICE!

Possible staining

The plasticiser contained in the rubber feet of this product may possibly react with the coating of your parquet, linoleum, laminate or PVC floor and after some time cause permanent dark stains.

In case of doubt, do not put the rubber feet directly on the floor, but use felt-pad floor protectors or a carpet.

! **NOTICE!**
Risk of overheating
The distance between light output and the illuminated surface must be more than 1.5 m (19.7in).

Provide sufficient ventilation.

The ambient temperature must always be below 40 °C (104 °F).

3 Features

The LED spotlight is particularly suitable for lighting applications in clubs, night clubs, on rock stages, in theatres and musicals. It can also be used for effect lighting of stage backgrounds and as blinder.

Special features of the device:

- Equipped with SMD LEDs with 0.2 W power consumption each, depending on the model version:
  - Stairville Wild Wash Pro 648 LED RGB DMX (item no. 432585): 648 tricolour LEDs (RGB)
  - Stairville Wild Wash Pro 648 LED White DMX (item no. 432586): 648 cold white LEDs
- Control via DMX (different modes depending on the model version) and via buttons and display on the unit
- Built-in automatic show programmes
- Sound control
- Master / Slave mode
- Robust metal housing with compact design
- Versatile installation and mounting options with the included two-piece mounting bracket

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.

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4 Installation

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device 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 standing or hanging. When in use, the device must be mounted at a solid surface or clamped to an approved truss.

Work from a stable platform whenever you install or move the device or when you perform any kind of maintenance. Block access under the work area.

> **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
The distance between light output and the illuminated surface must be more than 1.5 m (19.7in).

Provide sufficient ventilation.

The ambient temperature must always be below 40 °C (104 °F).

! **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.

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> *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.

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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).
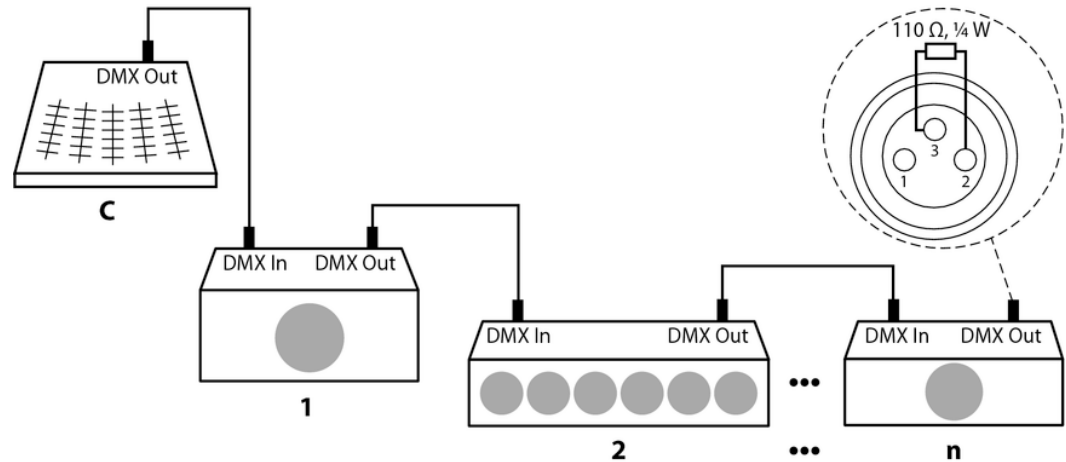
DMX indicator

If the unit is in DMX mode and a DMX controller is connected and turned on, the *[DMX]* LED lights.

Connections in master/slave mode

When you configure a group of devices in master/slave mode, the first unit will control the other units for an automatic, sound-activated, synchronized show. This function is ideal when you want to start a show immediately. Connect the DMX output of the master device to the DMX input of the first slave device. Then connect the DMX output of the first slave device to the DMX input of the second slave device and so on.

6 Connections and controls
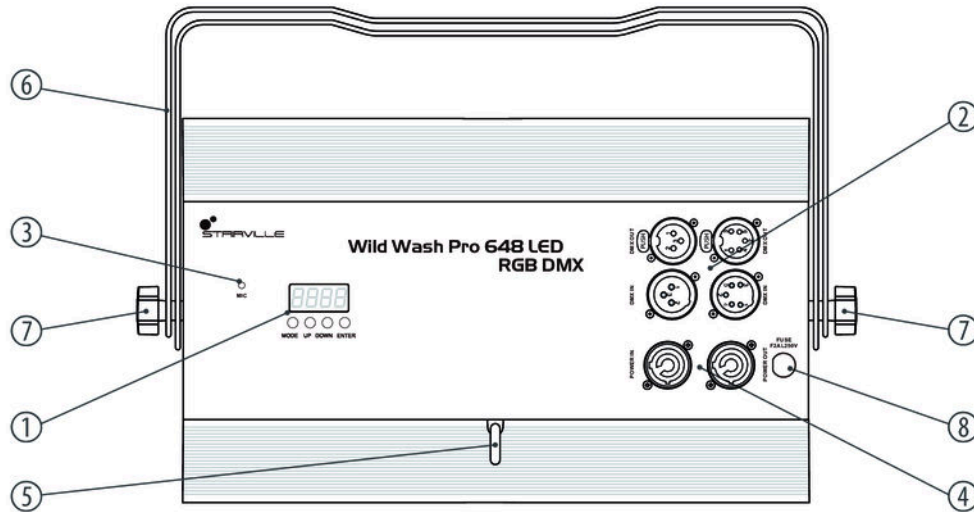
1	Display and control buttons: *[MENU]*: Activates the main menu and toggles between menu items. *[UP]*: Increases the displayed value by one. *[DOWN]*: Decreases the displayed value by one. *[ENTER]*: Selects an option of the respective operating mode.
2	*[DMX IN]*: DMX input sockets, three- and five-pin *[DMX OUT]*: DMX output sockets, three- and five-pin
3	*[MIC]*: Microphone for sound control
4	*[POWER IN]*: Lockable input socket (Power Twist) for powering the device *[POWER OUT]*: Lockable output socket (Power Twist) for powering a connected device
5	Safety cable eyelet.
6	Two-piece bracket for hanging or installation and for securing the safety cable
7	Locking screw for fixing the spotlight
8	*[FUSE]*: Fuse holder. Should the fuse have blown, disconnect the unit from the power supply and replace the fuse with a new fuse of the same type.

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7 Operating

7.1 Starting the device

Connect the device to the power supply to start operation. After a few seconds, the display indicates that a reset is in progress. The device is then ready for use. The display shows the operating mode that was selected when the unit was last powered off.

7.2 Main menu

Operating mode 'DMX'

This setting is only relevant if the device is controlled via a DMX controller.

Press *[MODE]* repeatedly until one of the available DMX modes appears in the display and press *[ENTER]*. Use *[UP]* and *[DOWN]* to select the desired DMX mode and press *[ENTER]*.

The following table shows the DMX modes available depending on the version.

Model version	Available DMX modes
Stairville Wild Wash Pro 648 LED RGB DMX (item no. 432585)	1CH, 2CH1, 2CH2, 3CH1, 3CH2, 3CH3, 4CH, 6CH
Stairville Wild Wash Pro 648 LED White DMX (item no. 432586)	1CH, 2CH, 3CH, 5CH, 7CH

DMX address

This setting is only relevant if the device is controlled via a DMX controller.

Press *[MODE]* repeatedly until the currently set DMX address appears in the display (*'Axxx'*) and press *[ENTER]*. Use *[UP]* and *[DOWN]* to select the desired DMX address between 1 (*'A001'*) and 512 (*'A512'*) and press *[ENTER]*.

Operating mode 'Manual control' (white LED model version)

This setting is only relevant if the device is not controlled via a DMX controller and not working as slave in a master / slave configuration. In this mode, the brightness of the white LEDs can be adjusted and a Strobe effect can be engaged.

Press *[MODE]* repeatedly until *'C000'* appears in the display and press *[ENTER]*. Use *[UP]* and *[DOWN]* to select the menu item *'C1xx'* for brightness or the menu item *'CFxx'* for the Strobe effect and press *[ENTER]*.

To adjust the brightness, use *[UP]* and *[DOWN]* to select a value between *'C101'* (minimum brightness) and *'C199'* (maximum brightness) or *'C100'* (blackout, LEDs off) and press *[ENTER]*.

To adjust the Strobe effect, use *[UP]* and *[DOWN]* to select a value between *'CF01'* (flash frequency approx. 1 Hz) and *'CF99'* (flash frequency approx. 30 Hz) or *'CF00'* (continuous light, no Strobe effect) and press *[ENTER]*.

Operating mode 'Manual control' (RGB LED model version)

This setting is only relevant if the device is not controlled via a DMX controller and not working as slave in a master / slave configuration. In this mode, the intensity of the LEDs can be adjusted per colour and a Strobe effect can be engaged.

Press *[MODE]* repeatedly until *'C1xx'* appears in the display and press *[ENTER]*. Use *[UP]* and *[DOWN]* to select the menu item *'C1xx'*, *'C2xx'* or *'C3xx'* for brightness of the red, green or blue LEDs or the menu item *'CFxx'* for the Strobe effect and press *[ENTER]*.

To adjust the Strobe effect, use *[UP]* and *[DOWN]* to select a value between *'CF01'* (flash frequency approx. 1 Hz) and *'CF99'* (flash frequency approx. 30 Hz) or *'CF00'* (continuous light, no Strobe effect) and press *[ENTER]*.

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Operating mode 'Colour macros' (RGB LED model version)

This setting is only relevant if the device is not controlled via a DMX controller and not working as slave in a master / slave configuration. In this mode, one of the three primary colours or a predefined mixed colour can be selected.

Press [MODE] repeatedly until 'CMxx' appears in the display and press [ENTER]. Use [UP] and [DOWN] to select a value between 'CM01' and 'CM015' and press [ENTER]. The table below shows the colour assignment.

Setting	Colour
CM01	Red
CM02	Amber
CM03	Warm yellow
CM04	Yellow
CM05	Green
CM06	Turquoise
CM07	Cyan
CM08	Blue

Setting	Colour
CM09	Lavender
CM10	Mauve
CM11	Magenta
CM12	Pink
CM13	Warm white
CM14	White
CM15	Cold white

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Operating mode 'Automatic colour change' (RGB LED model version)

This setting is only relevant if the device is not controlled via a DMX controller and not working as slave in a master / slave configuration. In this mode, the colours are changed at freely select-able speed, a Strobe effect can be engaged.

Press *[MODE]* repeatedly until *'JUxx'* appears in the display and press *[ENTER]*. Use *[UP]* and *[DOWN]* to select the menu item *'JUxx'* for colour change speed or the menu item *'JFxx'* for the Strobe effect.

For colour change speed, use *[UP]* and *[DOWN]* to select a value between *'JU00'* (minimum speed) and *'JU99'* (maximum speed) and press *[ENTER]*.

To adjust the Strobe effect, use *[UP]* and *[DOWN]* to select a value between *'JF01'* (flash fre-quency approx. 1 Hz) and *'CF99'* (flash frequency approx. 30 Hz) or *'CF00'* (continuous light, no Strobe effect) and press *[ENTER]*.

Operating mode 'Fading' (white LED model version)

This setting is only relevant if the device is not controlled via a DMX controller and not working as slave in a master / slave configuration. In this mode, the LEDs will gradually fade in with a freely selectable speed from blackout to maximum brightness and reverse, a Strobe effect can be engaged.

Press *[MODE]* repeatedly until *'FA00'* appears in the display and press *[ENTER]*. Use *[UP]* and *[DOWN]* to select the menu item *'FAxx'* for the fading speed or the menu item *'FFxx'* for the Strobe effect and press *[ENTER]*.

To adjust the fading speed, use *[UP]* and *[DOWN]* to select a value between *'FA01'* (minimum speed) and *'FA99'* (maximum speed) and press *[ENTER]*.

To adjust the Strobe effect, use *[UP]* and *[DOWN]* to select a value between *'FF01'* (flash frequency approx. 1 Hz) and *'FF99'* (flash frequency approx. 30 Hz) or *'FF00'* (continuous light, no Strobe effect) and press *[ENTER]*.

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Operating mode 'Fading' (RGB LED model version)

This setting is only relevant if the device is not controlled via a DMX controller and not working as slave in a master / slave configuration. In this mode, the LEDs gradually change between the available colours at freely selectable speed, a Strobe effect can be engaged.

Press *[MODE]* repeatedly until *'FA00'* appears in the display and press *[ENTER]*. Use *[UP]* and *[DOWN]* to select the menu item *'FAxx'* for the fading speed or the menu item *'FAxx'* for the Strobe effect and press *[ENTER]*.

To adjust the fading speed, use *[UP]* and *[DOWN]* to select a value between *'FA01'* (minimum speed) and *'FA99'* (maximum speed) or *'C100'* and press *[ENTER]*.

To adjust the Strobe effect, use *[UP]* and *[DOWN]* to select a value between *'FF01'* (flash frequency approx. 1 Hz) and *'FF99'* (flash frequency approx. 30 Hz) or *'FF00'* (continuous light, no Strobe effect) and press *[ENTER]*.

Operating mode 'Automatic show' (white LED model version)

This setting is only relevant if the device is not controlled via a DMX controller and not working as slave in a master / slave configuration. In this mode, the LEDs will gradually fade in with a freely selectable speed from blackout to maximum brightness and reverse, the Strobe effect is automatically engaged in regular intervals.

Press *[MODE]* repeatedly until *'AUTO'* appears in the display and press *[ENTER]*. For effect speed, use *[UP]* and *[DOWN]* to select a value between *'AU00'* (minimum speed) and *'AU99'* (maximum speed) and press *[ENTER]*.

Operating mode 'Automatic show' (RGB LED model version)

This setting is only relevant if the device is not controlled via a DMX controller and not working as slave in a master / slave configuration. In this mode, the LEDs gradually change at freely selectable speed between the available colours, the Strobe effect is automatically engaged in regular intervals.

Press *[MODE]* repeatedly until *'AUTO'* appears in the display and press *[ENTER]*. For effect speed, use *[UP]* and *[DOWN]* to select a value between *'AU00'* (minimum speed) and *'AU99'* (maximum speed) and press *[ENTER]*.

Operating mode 'Sound control'

This setting is only relevant if the device is not controlled via a DMX controller and not working as slave in a master / slave configuration. In this mode, the LEDs are controlled via the built-in microphone.

Press *[MODE]* repeatedly until *'SOUN'* appears in the display and press *[ENTER]*. For microphone sensitivity, use *[UP]* and *[DOWN]* to select a value between *'SO00'* (minimum sensitivity) and *'SO99'* (maximum sensitivity) and press *[ENTER]*.

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Operating mode 'Slave'   This setting is only relevant if the device is not controlled via a DMX controller and working as slave in a master / slave configuration. Master and slave devices are connected to each other via a DMX cable, the master device is in one of the operating modes 'Manual control', 'Fading', 'Automatic show' or 'Sound control'.

Press *[MODE]* repeatedly until *'SLAV'* appears in the display and press *[ENTER]*. The slave device now copies exactly the actions of the master device.

7.3   Menu overview
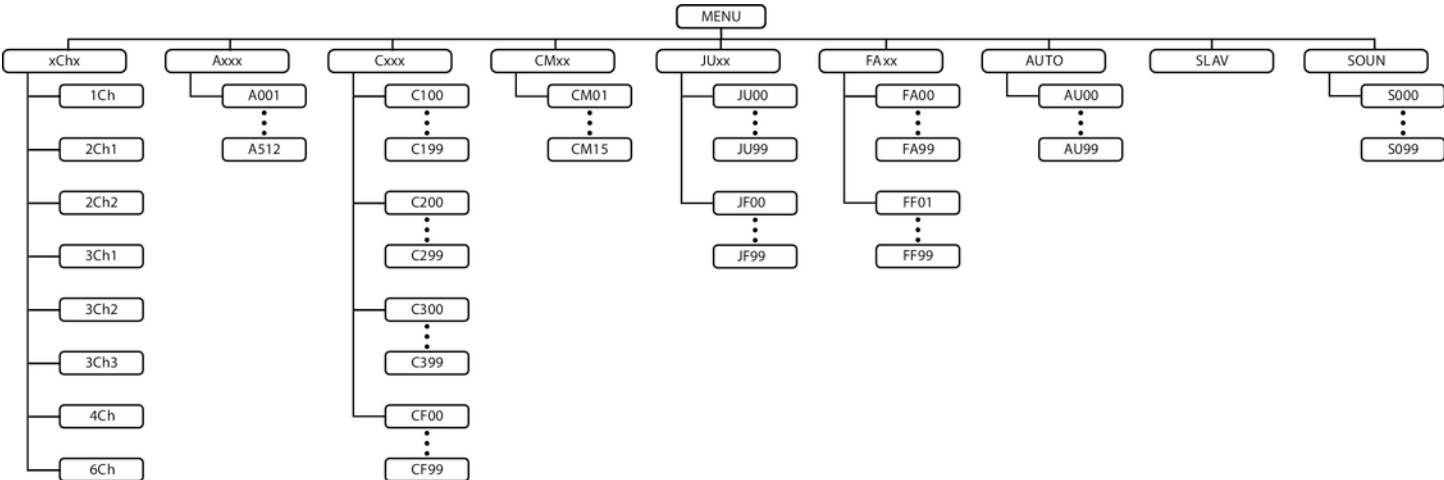
7.4 Functions in DMX mode 1ch

Channel	Value	Function
1	Strobe	
	0 … 10	LEDs off (blackout)
	11 … 255	Strobe effect, speed increasing from approx. 0 Hz to 30 Hz

7.5 Functions in DMX mode 2Ch (model version with white LEDs)

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	Strobe	
	0 … 5	LEDs on
	6 … 10	LEDs off (blackout)

Channel	Value	Function
	11 … 250	Strobe effect, speed increasing from approx. 0 Hz to 30 Hz
	251 … 255	LEDs on

7.6 Functions in DMX mode 2Ch1 (model version with RGB LEDs)

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	Colour macro	
	0 … 5	LEDs off (blackout)
	6 … 13	Red
	14 … 21	Amber
	22 … 29	Warm yellow

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Channel	Value	Function
	30 … 37	Yellow
	38 … 45	Green
	46 … 53	Turquoise
	54 … 61	Cyan
	62 … 69	Blue
	70 … 77	Lavender
	78 … 85	Mauve
	86 … 93	Magenta
	94 … 101	Pink
	102 … 109	Warm white
	110 … 117	White
	118 … 125	Cold white
	126 … 128	Ending colour change

Channel	Value	Function
	129 … 192	Colour change, increasing speed
	193 … 255	Gradual colour change, increasing speed

7.7   Functions in DMX mode 2Ch2

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	Strobe	
	0 … 5	LEDs on
	6 … 10	LEDs off (blackout)
	11 … 250	Strobe effect, speed increasing from approx. 0 Hz to 30 Hz
	251 … 255	LEDs on

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7.8 Functions in DMX mode 3Ch1

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	Strobe	
	0 … 5	LEDs on
	6 … 10	LEDs off (blackout)
	11 … 250	Strobe effect, speed increasing from approx. 0 Hz to 30 Hz
	251 … 255	LEDs on
3	Flash impulse	
	0 … 255	Flash impulse duration, increasing from 0 ms to 510 ms

7.9 Functions in DMX mode 3Ch2 (model version with RGB LEDs)

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	Strobe	
	0 … 5	LEDs on
	6 … 10	LEDs off (blackout)
	11 … 250	Strobe effect, speed increasing from approx. 0 Hz to 30 Hz
	251 … 255	LEDs on
3	Colour macro	
	0 … 5	LEDs off (blackout)
	6 … 13	Red
	14 … 21	Amber
	22 … 29	Warm yellow

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Channel	Value	Function
	30 … 37	Yellow
	38 … 45	Green
	46 … 53	Turquoise
	54 … 61	Cyan
	62 … 69	Blue
	70 … 77	Lavender
	78 … 85	Mauve
	86 … 93	Magenta
	94 … 101	Pink
	102 … 109	Warm white
	110 … 117	White
	118 … 125	Cold white
	126 … 128	Ending colour change

Channel	Value	Function
	129 … 192	Colour change, increasing speed
	193 … 255	Gradual colour change, increasing speed

7.10   Functions in DMX mode 3Ch2 (model version with white LEDs)

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	Strobe	
	0 … 5	LEDs on, brightness controlled by channel 1
	6 … 10	LEDs off (blackout)
	11 … 33	Random impulses, increasing speed
	34 … 56	Randomly increasing brightness, increasing speed

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Channel	Value	Function
	57 … 79	Randomly decreasing brightness, increasing speed
	80 … 102	Random Strobe effect, increasing speed
	103 … 127	Interrupt effect, 5 s to 1 s
	128 … 250	Strobe effect, speed increasing from approx. 0 Hz to 30 Hz
	251 … 255	LEDs on, brightness controlled by channel 1
3	Sound control	
	0 … 5	Sound control off
	6 … 255	Sound control on, increasing sensitivity

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7.11 Functions in DMX mode 3Ch3 (model version with RGB LEDs)

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

7.12 Functions in DMX mode 4Ch (model version with RGB LEDs)

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	Strobe	
	0 … 5	LEDs on, brightness controlled by channel 1
	6 … 10	LEDs off (blackout)

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Channel	Value	Function
	11 … 33	Random impulses, increasing speed
	34 … 56	Randomly increasing brightness, increasing speed
	57 … 79	Randomly decreasing brightness, increasing speed
	80 … 102	Random Strobe effect, increasing speed
	103 … 127	Interrupt effect, 5 s to 1 s
	128 … 250	Strobe effect, speed increasing from approx. 0 Hz to 30 Hz
	251 … 255	LEDs on, brightness controlled by channel 1
3	Colour macro	
	0 … 5	LEDs off (blackout)
	6 … 13	Red
	14 … 21	Amber
	22 … 29	Warm yellow
	30 … 37	Yellow

Channel	Value	Function
	38 … 45	Green
	46 … 53	Turquoise
	54 … 61	Cyan
	62 … 69	Blue
	70 … 77	Lavender
	78 … 85	Mauve
	86 … 93	Magenta
	94 … 101	Pink
	102 … 109	Warm white
	110 … 117	White
	118 … 125	Cold white
	126 … 128	Ending colour change
	129 … 192	Colour change, increasing speed

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Channel	Value	Function
	193 … 255	Gradual colour change, increasing speed
4	Sound control	
	0 … 5	Sound control off
	6 … 255	Sound control on, increasing sensitivity

7.13 Functions in DMX mode 5Ch (model version with white LEDs)

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	Strobe	
	0 … 5	LEDs on, brightness controlled by channel 1
	6 … 10	LEDs off (blackout)

Channel	Value	Function
	11 … 33	Random impulses, increasing speed
	34 … 56	Randomly increasing brightness, increasing speed
	57 … 79	Randomly decreasing brightness, increasing speed
	80 … 102	Random Strobe effect, increasing speed
	103 … 127	Interrupt effect, 5 s to 1 s
	128 … 250	Strobe effect, speed increasing from approx. 0 Hz to 30 Hz
	251 … 255	LEDs on, brightness controlled by channel 1
3	Strobe programmes	
	0 … 5	No function
	11 … 255	Automatic Strobe programmes with alternating segments
4	Running speed	
	11 … 255	Automatic Strobe programme speed, increasing if channel 5 = 0…5)
5	Sound control	

Channel	Value	Function
	0 … 5	Sound control off
	6 … 255	Sound control on, increasing sensitivity

7.14   Functions in DMX mode 6Ch (model version with RGB LEDs)

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	Strobe	
	0 … 5	LEDs on, brightness controlled by channel 1
	6 … 10	LEDs off (blackout)
	11 … 33	Random impulses, increasing speed
	34 … 56	Randomly increasing brightness, increasing speed

Channel	Value	Function
	57 … 79	Randomly decreasing brightness, increasing speed
	80 … 102	Random Strobe effect, increasing speed
	103 … 127	Interrupt effect, 5 s to 1 s
	128 … 250	Strobe effect, speed increasing from approx. 0 Hz to 30 Hz
	251 … 255	LEDs on, brightness controlled by channel 1
3	0 … 255	Intensity red (0 % to 100 %)
4	0 … 255	Intensity green (0 % to 100 %)
5	0 … 255	Intensity blue (0 % to 100 %)
6	Sound control	
	0 … 5	Sound control off
	6 … 255	Sound control on, increasing sensitivity

7.15 Functions in DMX mode 7Ch (model version with 648 white LEDs)

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	Strobe	
	0 … 5	LEDs on
	6 … 10	LEDs off (blackout)
	11 … 250	Strobe effect, speed increasing from approx. 0 Hz to 30 Hz
	251 … 255	LEDs on
3	Flash impulse	
	0 … 255	Flash impulse duration, increasing from 0 ms to 510 ms
4	0 … 255	Brightness of LED segment 1 (0 % to 100 %)
5	0 … 255	Brightness of LED segment 2 (0 % to 100 %)

Channel	Value	Function
6	0 … 255	Brightness of LED segment 3 (0 % to 100 %)
7	0 … 255	Brightness of LED segment 4 (0 % to 100 %)

Wild Wash Pro 648 LED RGB DMX, Wild Wash Pro 648 LED White DMX

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8 Technical specifications

**Stairville Wild Wash Pro 648 LED
RGB DMX (item no. 432585)**
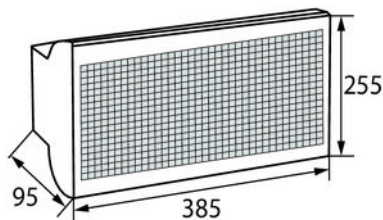
Number of DMX channels	1, 2, 3, 5, or 7 channels, depending on operating mode
Illuminant	648 tricolour SMD LEDs, 0,2 W each
Beam angle	approx. 75°
Operating supply voltage	100 - 240 V ∼ 50/60 Hz
Power consumption	130 W
Protection class	IP20
Fuse	5 mm × 20 mm, 2 A, 250 V, slow-blow
Dimensions (W × H × D)	385 mm× 255 mm× 95 mm
Weight	3.25 kg

**Stairville Wild Wash 648 LED
White DMX (item no. 432586)**
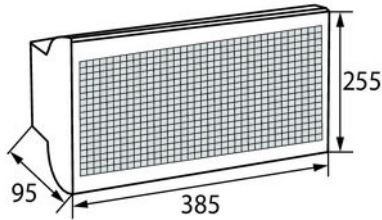
Number of DMX channels	1, 2, 3, 4, or 6 channels, depending on operating mode
Illuminant	648 SMD LEDs, cold white, 0.2 W each
Beam angle	approx. 75°
Operating supply voltage	100 - 240 V ∼ 50/60 Hz
Power consumption	130 W
Protection class	IP20
Fuse	5 mm × 20 mm, 2 A, 250 V, slow-blow
Dimensions (W × H × D)	385 mm× 255 mm× 95 mm
Weight	3.25 kg

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Environmental conditions

Temperature range	0 ℃…40 ℃
Relative humidity	50 %, non-condensing

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!
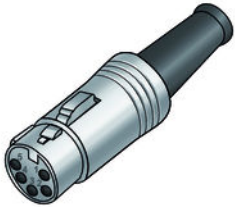
DMX connections

The unit offers a 3-pin XLR socket for DMX output and a 3-pin XLR plug for DMX input. Please refer to the drawing and table below for the pin assignment of a suitable XLR plug.

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

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DMX connections

A five-pin XLR socket serves as DMX output, a five-pin XLR plug serves 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')
4	unused / second connection (DMX–)
5	unused / second connection (DMX+)

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:

Symptom	Remedy
The unit does not work, no light, the display is dark	Check the mains connection and the main fuse.
Apparently no function despite proper power supply	Check if the unit is in DMX mode or in 'slave' mode. If so, check the unit in another mode.
No response to the DMX controller	1. Check whether the DMX controller is switched on. Check the DMX connectors 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.

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.

Fan grids

The fan grids of the device must be cleaned on a regular basis to remove dust and dirt. Before cleaning, switch off the device and disconnect AC-powered devices from the mains. Use a lint-free damp cloth for cleaning. Never use solvents or alcohol for cleaning.

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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.

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