



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

LED Spotlight

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# 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](http://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
<b>DANGER!</b>	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.
<b>WARNING!</b>	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.
<b>NOTICE!</b>	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 – dangerous optical radiation.
	Warning – suspended load.

Warning signs	Type of danger
	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!****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!****Danger to life due to electric current!**

A short circuit could lead to a fire hazard and risk of death. Always use proper ready-made insulated triple-core mains cable with a safety plug. Do not modify the mains cable or the plug. In case of isolation damage, disconnect immediately the power supply and arrange repair. If in doubt, seek advice from a qualified electrician.

**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.

**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 over-heat 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 if operated in unsuitable ambient conditions!**

The device can be damaged if it is operated in unsuitable ambient conditions. Only operate the device indoors within the ambient conditions specified in the "Technical specifications" chapter of this user manual. Avoid operating it in environments with direct sunlight, heavy dirt and strong vibrations. Avoid operating it in environments with strong temperature fluctuations. If temperature fluctuations cannot be avoided (for example after transport in low outside temperatures), do not switch on the device immediately. Never subject the device to liquids or moisture. Never move the device to another location while it is in operation. In environments with increased dirt levels (for example due to dust, smoke, nicotine or mist): Have the device cleaned by qualified specialists at regular intervals to prevent damage due to overheating and other malfunctions.

**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). As a precaution, disconnect the device from the power grid when storms are approaching or if the device will not be used for a longer period.

**NOTICE!****Risk of fire due to installation of a wrong fuse!**

Using fuses of a different type than compatible with the device may cause a fire and seriously damage the device. Only use fuses of the same type. Observe the labelling on the device casing and the information in the "Technical data" chapter.

**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 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!**

#### **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 power consumption can exceed the maximum permitted power consumption, 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 permitted power consumption as stated on the device is not exceeded. Also refer to the specifications in the technical specifications for the device. Only use power cords with a cable cross-section designed for the required current intensity when connecting the devices in series.

### 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
  - Stairville Wild Wash Pro 648 WW DMX (item no. 481229): 648 warm 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.

## 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 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 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!****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.



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

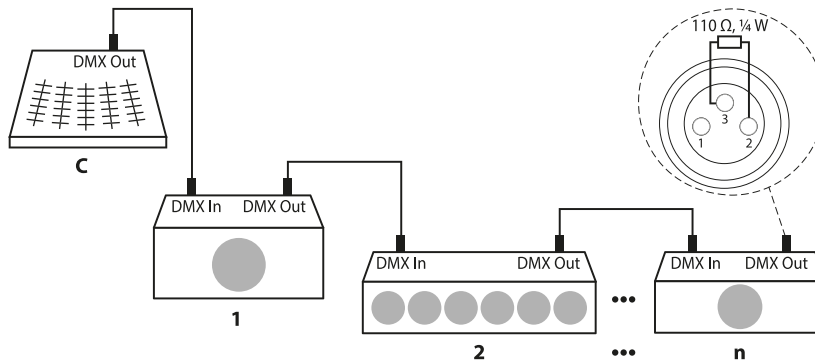


## 5 Starting up

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

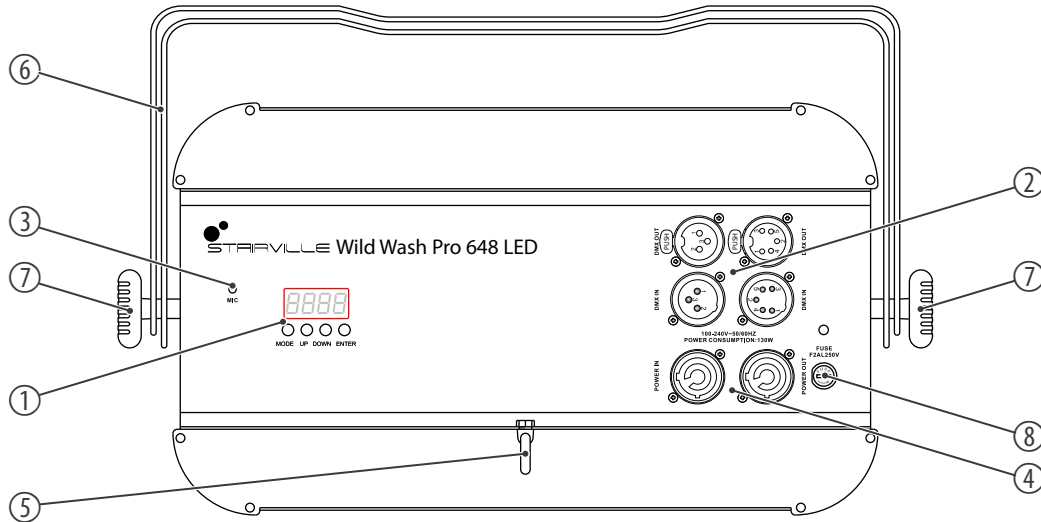
Connect the DMX input of the device to the DMX output of a DMX controller or another DMX device. Connect the output of the first DMX device to the input of the second one, and so on to form a daisy chain. Always ensure that the output of the last DMX device in the daisy chain is terminated with a resistor ( $110\ \Omega$ ,  $\frac{1}{4}\text{ W}$ ).



### **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
	<i>[MENU]</i>   Activates the main menu and switches between menu items.
	<i>[UP]</i> Increases the displayed value by one.
	<i>[DOWN]</i>   Decreases the displayed value by one.
	<i>[ENTER]</i>   Selects an option of the respective operating mode.
2	<i>[DMX IN]</i>   DMX input sockets, three- and five-pin
	<i>[DMX OUT]</i>   DMX output socket, three- and five-pin
3	<i>[MIC]</i>   Microphone for sound control
4	<i>[POWER IN]</i>   Lockable input socket (Power Twist) for the power supply of the device
	<i>[POWER OUT]</i>   Lockable output socket (Power Twist) for powering a connected device (maximum output current 16 A)
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	<i>[FUSE]</i>   Fuse holder

## 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
Stairville Wild Wash Pro 648 WW DMX (item no. 481229)	

### 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 the brightness or the menu item 'CFxx' for the Strobe effect and press *[ENTER]*.

For 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]*.

For the Strobe effect, use *[UP]* and *[DOWN]* to select a value between 'CF01' (strobe frequency approx. 1 Hz) and 'CF99' (strobe 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 the brightness of the red, green or blue LEDs or the menu item 'CFxx' for the Strobe effect and press *[ENTER]*.

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

### 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
CM09	Lavender
CM10	Mauve
CM11	Magenta



Setting	Colour
CM12	Pink
CM13	Warm white
CM14	White
CM15	Cold white

### 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 selectable 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 the colour change speed or the menu item 'JFxx' for the Strobe effect.

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

For the Strobe effect, use *[UP]* and *[DOWN]* to select a value between 'JF01' (strobe frequency approx. 1 Hz) and 'JF99' (strobe frequency approx. 30 Hz) or 'JF00' (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]*.

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

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

### **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 'FF00...FF99' for the Strobe effect and press *[ENTER]*.

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

For the Strobe effect, use *[UP]* and *[DOWN]* to select a value between 'FF01' (strobe frequency approx. 1 Hz) and 'FF99' (strobe 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]*. 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]*. 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.

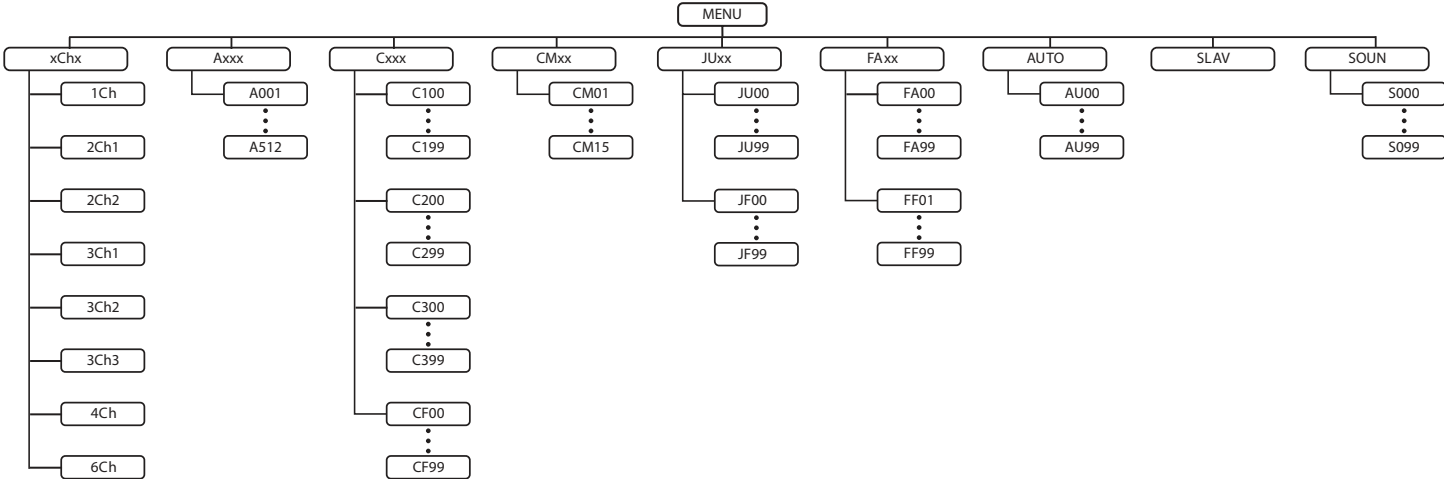
Press *[MODE]* repeatedly until 'SOUN' appears in the display and press *[ENTER]*. Use *[UP]* and *[DOWN]* to select the microphone sensitivity value between 'SO00' (minimum sensitivity) and 'SO99' (maximum sensitivity) and press *[ENTER]*.

### **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)
	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
	30 ... 37	Yellow
	38 ... 45	Green
	46 ... 53	Turquoise
	54 ... 61	Cyan
	62 ... 69	Blue
	70 ... 77	Lavender
	78 ... 85	Mauve
	86 ... 93	Magenta

Channel	Value	Function
	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
	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

## 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
	30 ... 37	Yellow
	38 ... 45	Green
	46 ... 53	Turquoise

Channel	Value	Function
	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
	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
	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	

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

### 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)
	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

Channel	Value	Function
	14 ... 21	Amber
	22 ... 29	Warm yellow
	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
	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)
	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

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Channel	Value	Function
4	Running speed	
	11 ... 255	Automatic Strobe programme speed, increasing if channel 5 = 0...5)
5	Sound control	
	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
	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 %)

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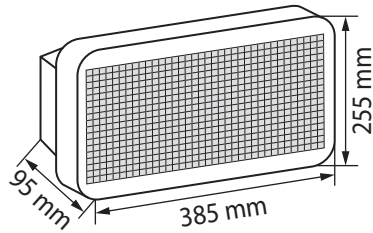
Channel	Value	Function
6	Sound control	
	0 ... 5	Sound control off
	6 ... 255	Sound control on, increasing sensitivity

## 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 %)
6	0 ... 255	Brightness of LED segment 3 (0 % to 100 %)
7	0 ... 255	Brightness of LED segment 4 (0 % to 100 %)

## 8 Technical specifications

### Stairville Wild Wash Pro 648 LED RGB DMX (item no. 432585)



Light source	648 × tricolour SMD LEDs, 0.2 W each	
Optical properties	Beam angle	approx. 75°
Control	DMX, buttons and display on the unit	
Number of DMX channels	1, 2, 3, 4 or 6	
Input connections	Voltage supply	Lockable input socket (Power Twist)
	DMX control	XLR chassis plug, 3-pin XLR chassis plug, 5-pin
Output connections	Voltage supply	Lockable output socket (Power Twist) Output current 16 A max.
	DMX control	XLR chassis socket, 3-pin XLR chassis socket, 5-pin
Power consumption	130 W	

## Technical specifications

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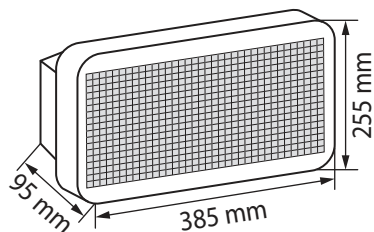
Operating supply voltage	100 - 240 V ~ 50/60 Hz	
Fuse	5 mm × 20 mm, 2 A, 250 V, fast-acting	
Protection class	IP20	
Mounting options	hanging, standing	
Dimensions (W × H × D)	385 mm × 255 mm × 95 mm	
Weight	3.25 kg	
Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	20 %...80 % (non-condensing)



**Further information**

Outdoor capable	No
Colour mixture	RGB
LED type	SMD
Floor housing	No
Fanless	No
Remote control	Not possible
wireless DMX	No
Housing colour	black

## Stairville Wild Wash 648 LED White DMX (item no. 432586)



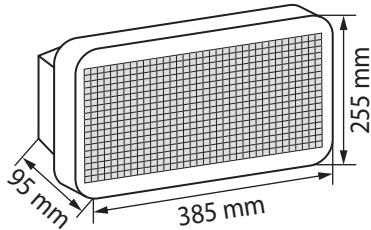
Light source	648 × SMD LEDs, cold white, 0.2 W each	
Light source properties	Colour temperature	6000 K
	Colour rendering index	CRI 75
Optical properties	Beam angle	approx. 75°
Control	DMX, buttons and display on the unit	
Number of DMX channels	1, 2, 3, 5 or 7	
Input connections	Voltage supply	Lockable input socket (Power Twist)
	DMX control	XLR chassis plug, 3-pin XLR chassis plug, 5-pin
Output connections	Voltage supply	Lockable output socket (Power Twist) Output current 16 A max.
	DMX control	XLR chassis socket, 3-pin XLR chassis socket, 5-pin
Power consumption	130 W	

Operating supply voltage	100 - 240 V ~ 50/60 Hz	
Fuse	5 mm × 20 mm, 2 A, 250 V, fast-acting	
Protection class	IP20	
Mounting options	hanging, standing	
Dimensions (W × H × D)	385 mm × 255 mm × 95 mm	
Weight	3.25 kg	
Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	50 %, non-condensing

### Further information

Outdoor capable	No
Colour mixture	Cold white
LED type	SMD
Floor housing	No
Fanless	No
Remote control	Not possible
wireless DMX	No
Housing colour	black

**Stairville Wild Wash 648 WW  
DMX (item no. 481229)**



Light source	648 × SMD LEDs, warm white, 0.2 W each	
Light source properties	Colour temperature	2900 K
	Colour rendering index	CRI Ra >90
Optical properties	Beam angle	approx. 75°
Control	DMX, buttons and display on the unit	
Number of DMX channels	1, 2, 3, 5 or 7	
Input connections	Voltage supply	Lockable input socket (Power Twist)
	DMX control	XLR chassis plug, 3-pin XLR chassis plug, 5-pin
Output connections	Voltage supply	Lockable output socket (Power Twist) Output current 16 A max.
	DMX control	XLR chassis socket, 3-pin XLR chassis socket, 5-pin
Power consumption	130 W	

Operating supply voltage	100 - 240 V ~ 50/60 Hz	
Fuse	5 mm × 20 mm, 2 A, 250 V, fast-acting	
Protection class	IP20	
Mounting options	hanging, standing	
Dimensions (W × H × D)	385 mm × 255 mm × 95 mm	
Weight	3.25 kg	
Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	50 %, non-condensing

**Further information**

Outdoor capable	No
Colour mixture	Warm white
LED type	SMD
Floor housing	No
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

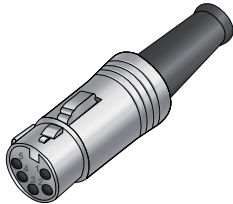
The unit offers a 3-pin XLR socket for DMX output and a 3-pin XLR plug for DMX input. Please refer to the drawing and table below for the pin assignment of a suitable XLR plug.



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



**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!**

#### **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 unit does not work, no light, the display is dark	Check the mains connection and the 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 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.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at [www.thomann.de](http://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 of any contamination, such as dust, etc. on a regular basis. Before cleaning, switch off the device and disconnect mains-operated devices from the mains. Only use pH-neutral, solvent-free and non-abrasive cleaning agents. Clean the unit with a slightly damp lint-free cloth.

## 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.





