STAIRVILLE

Crazy Par Bundle 4 8x5W RGBWAP

LED lighting set

Table of contents

Crazy Par Bundle4 8x5W RGBWAP

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LED lighting set

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*.

Crazy Par Bundle4 8x5W RGBWAP

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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'* .

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 – dangerous optical radiation.

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 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 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.

Crazy Par Bundle4 8x5W RGBWAP

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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.

Only operate the device within the ambient conditions specified in the chapter 'Technical specifications' of this user manual. Avoid heavy temperature fluctuations and do not switch the device on immediately after it was exposed to temperature fluctuations (for example after transport at low outside temperatures).

Dust and dirt inside can damage the unit. When operated in harmful ambient conditions (dust, smoke, nicotine, fog, etc.), the unit should be maintained by qualified service personnel at regular intervals to prevent overheating and other malfunction.

! **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 damage due to installation of a wrong fuse

The use of different types of fuses can cause serious damage to the unit. Fire hazard!

Only fuses of the same type may be used.

Crazy Par Bundle4 8x5W RGBWAP

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! **NOTICE!**

Risk of short-circuits

Short-circuits may cause irreparable damages of the device. They can occur when you remove or change cables of the spots during operation.

Disconnect the device from the power supply before you change the cabling.

! **NOTICE!**

Damages due to disconnection during operation

Only operate the unit when all spotlights are connected.

The disconnection of LED spotlights during operation may damage the unit. Disconnect the unit from the power supply before disconnecting LED spotlights.

3   Features

The LED light set offers an ideal combination of white and coloured light for parallel illumination of stage and dance floor in various shades.

- four LED spots, each with eight 5 W LEDs (RGBWAP), pre-mounted on T-bar
- Control via DMX (four different modes), via buttons and display on the unit as well as infrared remote control (supplied)
- Preprogrammed automatic shows
- Sound control
- Master / Slave mode
- Noiseless operation due to convection cooling
- Sturdy transport bag included
- Optionally available accessories: Stand, foot switch unit

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.

> **!**
>
> **NOTICE!**
>
> **Damages due to disconnection during operation**
>
> Only operate the unit when all spotlights are connected.
>
> The disconnection of LED spotlights during operation may damage the unit. Disconnect the unit from the power supply before disconnecting LED spotlights.

! **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!**
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.

Pre-mounted spots   The four spots are pre-mounted on the T-bar.
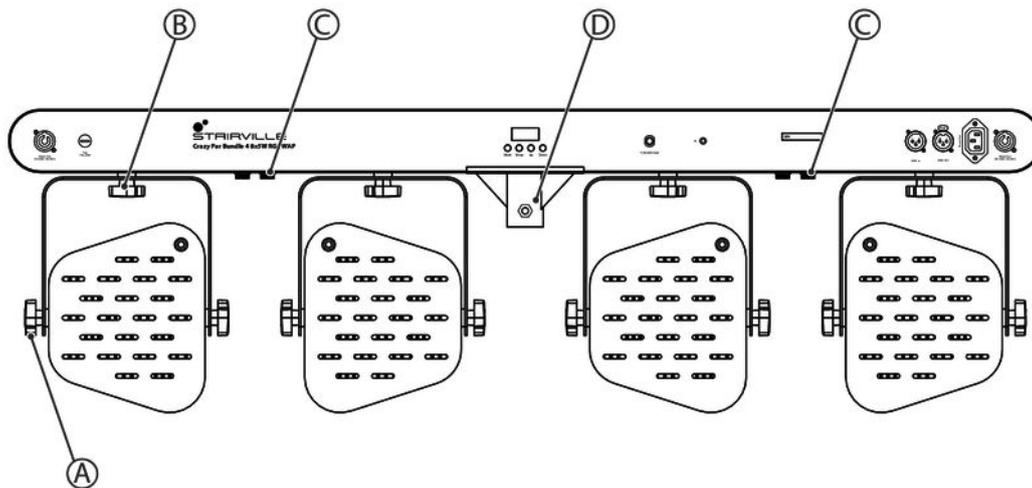
A	Locking screw for fixing the spotlight's inclination angle
B	Locking screw for fixing the spots on the T bar and the horizontal alignment (beam direction)
C	Electrical connection of the spots on the T bar (pre-assembled)
D	Flange 36 mm to mount the T-bar on a stand

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).
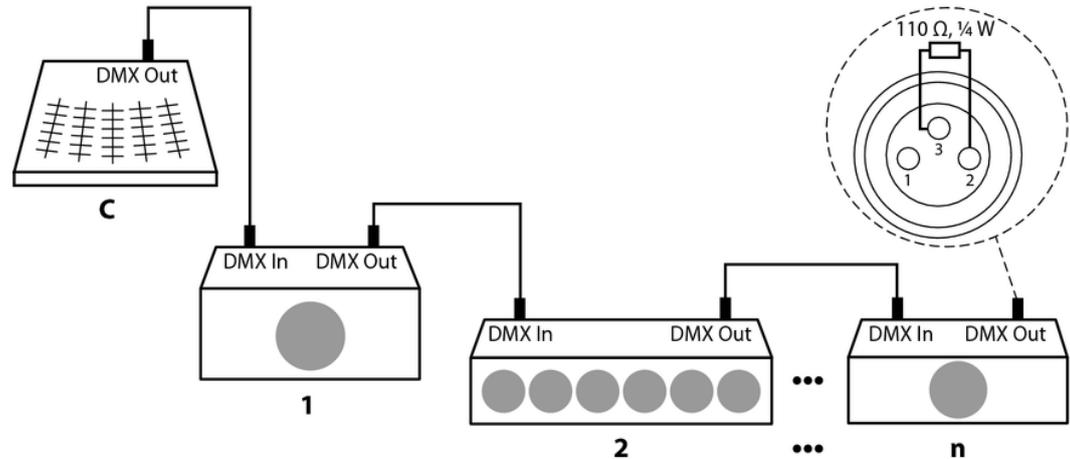
Connections in master/slave mode

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.

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

Inserting the battery into the remote control
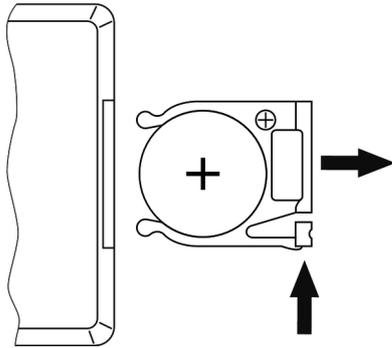
Press the lock of the battery holder to the centre of the housing and pull out the battery holder like a drawer. Insert the battery. The battery is correct if the positive pole points to the housing base of the remote control. Slide the battery holder back into the remote until it clicks into place.

When shipping, the battery is already installed in the remote and protected against discharge by a transparent plastic foil. Remove the plastic foil prior to first use.

6   Connections and controls

Crazy Par Bundle4 8x5W RGBWAP

1	*[Power In]*
	Lockable input socket (Power Twist) for power supply
2	*[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.
3	Display and function buttons.
	[Mode]
	Activates the main menu and toggles between menu items. Closes an opened sub menu.
	[Setup]
	Selects an option of the respective operating mode, confirms the set value.
	[Up]
	Increases the displayed value by one.
	[Down]
	Decreases the displayed value by one.

4	*[Foot switch Input]* 1/4" phone socket to connect the foot controller unit
5	*[IR]* Infrared sensor for the remote control signals
6	*[DMX In]* DMX input.
7	*[DMX Out]* DMX output
8	*[Power Out]* IEC chassis socket for the power supply of further devices
9	*[Power Out]* Lockable output socket (Power Twist) for the power supply of further units

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Foot switch unit (optionally available)
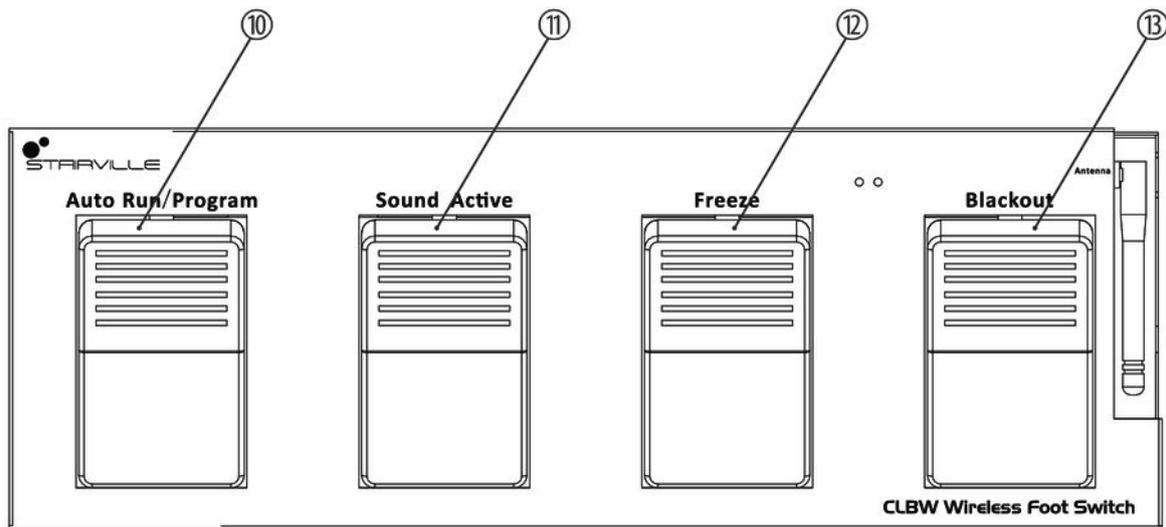
10	*[Auto Run / Program]*
	Activates the automatic mode (playback of preprogrammed automatic shows).
11	*[Sound Active]*
	Activates the sound-controlled mode (playback of sound-controlled automatic shows).
12	*[Freeze]*
	Pauses the running show and resumes it after a break.
13	*[Blackout]*
	Blackouts all LEDs and turns them back on again.

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Infrared remote control
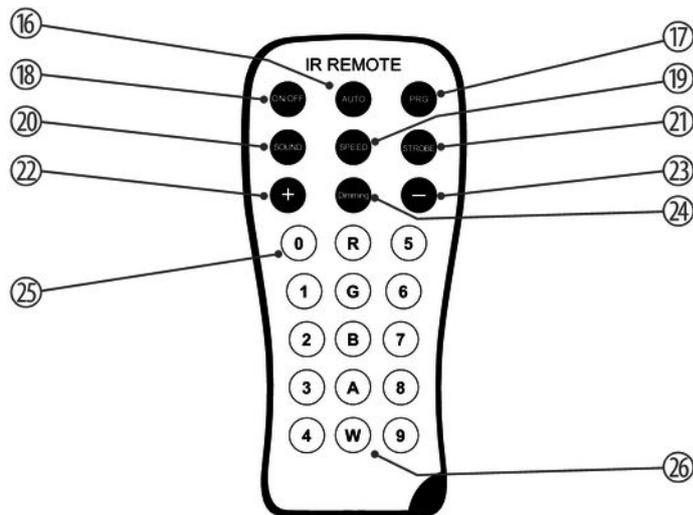
14	*[AUTO]*
	Activates the Automatic mode.
15	*[PRG]*
	Activates the operating mode 'Preprogrammed automatic show'. Select the desired programme with *[+]* and *[–]*.
16	*[ON/OFF]*
	Activates / deactivates the device.
17	*[SPEED]*
	Activates the setting mode for the programme speed. Adjust the speed using *[+]* and *[–]*.
18	*[SOUND]*
	Activates the Sound-controlled mode. Set the sensitivity of the built-in microphone with *[+]* and *[–]*.
19	*[STROBE]*
	Activates the setting mode for the Strobe speed. Adjust the speed using *[+]* and *[–]*.
20	*[+]*
	Increases the set value.

Crazy Par Bundle4 8x5W RGBWAP

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21	*[–]*
	Decreases the set value.
22	*[Dimming]*
	Activates the dimming function for basic colours. Set the value for each basic colour using *[+]* and *[–]*.
23	*[0 … 9]*
	Numeric buttons for direct selection of a basic colour.
24	*[R], [G], [B], [A], [W]*
	Buttons to select the colour shade in dimmer mode.

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.

7.2 Main menu

Press *[Mode]* to activate the main menu and select an operating mode. Use *[Setup]* to select further options. Use *[Up]* and *[Down]* to change the respectively indicated value. When the display shows the desired value press *[Mode]*.

If you do not press any key for about 30 seconds, the display will be blanked. It will be reactivated to display the previously shown menu by pressing any button.

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

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Operating mode 'Automatic' Automatic operation can only be activated when the unit is operating in stand alone mode or as master in a master / slave combination. This setting is only relevant if the device is not controlled via DMX.

Press *[Mode]* repeatedly until the display shows *'AUTO'*.

Operating mode 'Preprogrammed automatic show'

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

Press *[Mode]* repeatedly until the display shows *'Pro'*. Press *[Setup]*. Now you can select one of the preprogrammed automatic shows. Use *[Up]* and *[Down]* to select a value between *'Pr.01'* and *'Pr.38'*.

Settings for programme 01:

For *'Pr.01'*, you can choose from 16 basic colours, maximum intensity or blackout of all LEDs. Press *[Setup]*. With *[Up]* and *[Down]* you can now select a value between *'1.--r'* and *'16.ON'* or *'OFF'*.

To adjust the strobe frequency, press *[Setup]*. With *[Up]* and *[Down]* you can now select a value between *'SPFS00'* (slow) and *'FS99'* (fast).

Settings for programmes 02 … 38:

To adjust the speed of the selected automatic show, press *[Setup]* repeatedly until the display shows *'SPxx'*. With *[Up]* and *[Down]* you can now select a value between *'SP.01'* (slow) and *'SP.99'* (fast) or *'SP.FL'*.

To adjust the strobe frequency, press *[Setup]* repeatedly until the display shows *'FS.xx'*. With *[Up]* and *[Down]* you can now select a value between *'FS.00'* (slow) and *'FS.99'* (fast).

Crazy Par Bundle4 8x5W RGBWAP

Operating mode 'Slave'

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

Press *[Mode]* repeatedly until the display shows *'SLAv'* and confirm with *[Setup]*.

DMX mode

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

Press *[Mode]* repeatedly until the display shows *'d.xxx'*. Press *[Setup]*.

Now you can set the number of the first DMX channel to be used by the device (DMX address). Use *[Up]* and *[Down]* to select a value between 1 and 512 (the display shows *'d.001'* … *'d.510'*).

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

Mode	Highest possible DMX address
6-channel	507
8-channel	505
10-channel	503
24-channel	489

Press *[Setup]*. With *[Up]* and *[Down]* you can now select one of the following DMX operating modes:

- *'6-.CH'* (six channels)
- *'8-.CH'* (eight channels)

Crazy Par Bundle4 8x5W RGBWAP

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- *'10CH'* (ten channels)
- *'24-CH'* (24 channels)

Sound control

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

Press *[Mode]* repeatedly until the display shows *'Soud'*. Press *[Setup]*. Press *[Up]* and *[Down]* to activate one of the available sound modes *'SO.01'* … *'SO.38'*.

Press *[Setup]*. Now you can adjust the sensitivity for the sound control. Use *[Up]* and *[Down]* to select a value between 0 (low sensitivity) and 31 (high sensitivity), the display shows *'SU.00'* … *'SU.31'*.

Constant unicoloured pattern

A constant unicoloured pattern can only be activated when the unit is operating in stand alone mode or as master in a master / slave combination. This setting is only relevant if the device is not controlled via DMX.

Press *[Mode]* repeatedly until the display shows *'Colr'*. Press *[Setup]*.

With *[Up]* and *[Down]* you can choose from the following options:

Display	Meaning
'r.000' … *'r.255'*	Red
'g.000' … *'g.255'*	Green
'b.000' … *'b.255'*	Blue
'u.000' … *'u.255'*	White
'A.000' … *'A.255'*	Amber
'P.000' … *'P.255'*	UV

To adjust the strobe frequency, press *[Setup]* repeatedly until the display shows *'FS.xx'*. With *[Up]* and *[Down]* you can now select a value between *'FS.00'* (slow) and *'FS.99'* (fast).

Crazy Par Bundle4 8x5W RGBWAP

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Dimmer curve

Press *[Mode]* repeatedly until the display shows *'Set'*. Press *[Setup]*. Use *[Up]* | *[Down]* to select the menu item *'Cur'* and confirm with *[Setup]*.

With *[Up]* | *[Down]* you can select one of the following dimmer curves. The dimmer curve determines how the brightness increases or decreases depending on the set DMX value.

Display	Meaning
'Cu-1'	Linear (proportional) course
'Cu-2'	Quadratic curve with a flat profile at the beginning and a steep profile at the end (Square)
'Cu-3'	Inverted quadratic curve with a steep profile at the beginning and a flat profile at the end (Inv Square)
'Cu-4'	Non-linear curve with a distinctive flat profile at the beginning and the end (S-Type)

The below figure schematically shows the adjustable dimmer curves. Depending on the selected DMX value (1) the device lights with a brightness (2) between 0 % and 100 %. Confirm the selection with *[Setup]*. Press *[Mode]*.

| Linear	S-Type	Inv Square	Square
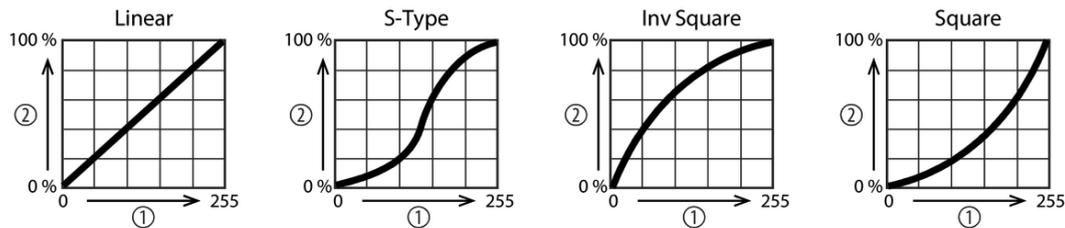
Enabling / disabling the interface for the wireless foot switch

Press *[Mode]* repeatedly until the display shows *'Set'* . *[Setup]*. Use *[Up]* | *[Down]* to select the menu item *'Hey'* and confirm with *[Setup]*. Use *[Up]* | *[Down]* to select between *'-ON'* (wireless foot switch active) and *'-OFF'* (wireless foot switch not active and confirm with *[Setup]*.

Reset

Press *[Mode]* repeatedly until the display shows *'Set'* . *[Setup]*. Use *[Up]* | *[Down]* to select the menu item *'-rSt'* and confirm with *[Setup]*. Use *[Up]* | *[Down]* choose between *'-Yes'* (carry out reset) and *'-No'* (no reset) and confirm with *[Setup]*.

Firmware version

Press *[Mode]* repeatedly until the display shows *'InFo'* . Press *[Setup]*, the display shows *'Ver'* . Press *[Setup]* to let the device show the Firmware version.

Crazy Par Bundle4 8x5W RGBWAP

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7.3 Menu overview
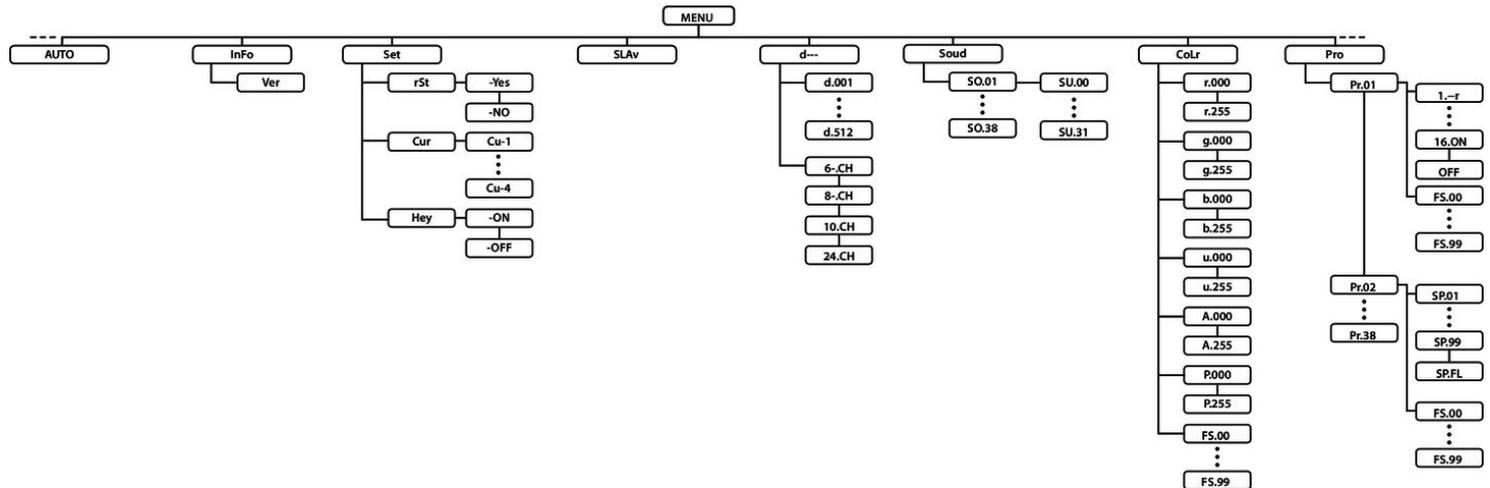
7.4 Functions in 6-channel DMX mode

Channel	Value	Function
1	0…255	Intensity red (0 % to 100 %), for all LEDs together
2	0…255	Intensity green (0 % to 100 %), for all LEDs together
3	0…255	Intensity blue (0 % to 100 %), for all LEDs together
4	0…255	Intensity white (0 % to 100 %), for all LEDs
5	0…255	Intensity amber (0 % to 100 %), for all LEDs
6	0…255	Intensity UV (0 % to 100 %), for all LEDs

Crazy Par Bundle4 8x5W RGBWAP

7.5   Functions in 8-channel DMX mode

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %)
2	0…255	Intensity red (0 % to 100 %), for all LEDs together
3	0…255	Intensity green (0 % to 100 %), for all LEDs together
4	0…255	Intensity blue (0 % to 100 %), for all LEDs together
5	0…255	Intensity white (0 % to 100 %), for all LEDs
6	0…255	Intensity amber (0 % to 100 %), for all LEDs
7	0…255	Intensity UV (0 % to 100 %), for all LEDs
8	Strobe effect	
	0…255	Stroboscope effect (0 % to 100 %)

7.6 Functions in 10-channel DMX mode

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %)
2	0…255	Intensity Red (0 % to 100 %), if channel 8 = 0
3	0…255	Intensity Green (0 % to 100 %), if channel 8 = 0
4	0…255	Intensity Blue (0 % to 100 %), if channel 8 = 0
5	0…255	Intensity white (0 % to 100 %), if channel 8 = 0
6	0…255	Intensity amber (0 % to 100 %) for all LEDs if channel 8 = 0
7	0…255	Intensity UV (0 % to 100 %) for all LEDs if channel 8 = 0
8	0	Colour setting via channels 1…7
	1…5	Preprogrammed automatic show 01
	11…16	Preprogrammed automatic show 02
	12…17	Preprogrammed automatic show 03

Crazy Par Bundle4 8x5W RGBWAP

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Channel	Value	Function
	18…23	Preprogrammed automatic show 04
	24…29	Preprogrammed automatic show 05
	30…35	Preprogrammed automatic show 06
	36…41	Preprogrammed automatic show 07
	42…47	Preprogrammed automatic show 08
	48…53	Preprogrammed automatic show 09
	54…59	Preprogrammed automatic show 10
	60…65	Preprogrammed automatic show 11
	66…71	Preprogrammed automatic show 12
	72…77	Preprogrammed automatic show 13
	78…83	Preprogrammed automatic show 14
	84…89	Preprogrammed automatic show 15
	90…95	Preprogrammed automatic show 16

Channel	Value	Function
	96…101	Preprogramed automatic show 17
	102…107	Preprogramed automatic show 18
	108…113	Preprogramed automatic show 19
	114…119	Preprogramed automatic show 20
	120…125	Preprogramed automatic show 21
	126…131	Preprogramed automatic show 22
	132…137	Preprogramed automatic show 23
	138…143	Preprogramed automatic show 24
	144…149	Preprogramed automatic show 25
	150…155	Preprogramed automatic show 26
	156…161	Preprogramed automatic show 27
	162…167	Preprogramed automatic show 28
	168…173	Preprogramed automatic show 29

Crazy Par Bundle4 8x5W RGBWAP

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Channel	Value	Function
	174…179	Preprogrammed automatic show 30
	180…185	Preprogrammed automatic show 31
	186…191	Preprogrammed automatic show 32
	192…197	Preprogrammed automatic show 33
	198…203	Preprogrammed automatic show 34
	204…209	Preprogrammed automatic show 35
	210…215	Preprogrammed automatic show 36
	216…221	Preprogrammed automatic show 37
	222…227	Preprogrammed automatic show 38
	228…255	Sound-controlled show
9	Function depending on setting of channel 6	
	Channel 6 = 1…5	
	0…14	R: 0; G: 0; B: 0; W: 0; A: 0; P: 0

Channel	Value	Function
	15…29	R: 255; G: 0; B: 0; W: 0; A: 0; P: 0
	30…44	R: 0; G: 255; B: 0; W: 0; A: 0; P: 0
	45…59	R: 0; G: 0; B: 255; W: 0; A: 0; P: 0
	60…74	R: 0; G: 0; B: 0; W: 255; A: 0; P: 0
	75…89	R: 0; G: 0; B: 0; W: 0; A: 255; P: 0
	90…104	R: 0; G: 0; B: 0; W: 0; A: 0; P: 255
	105…119	R: 255; G: 255; B: 0; W: 0; A: 255; P: 0
	120…134	R: 255; G: 220; B: 255; W: 0; A: 0; P: 0
	135…149	R: 255; G: 0; B: 80; W: 0; A: 0; P: 255
	150…164	R: 255; G: 0; B: 70; W: 0; A: 0; P: 70
	165…179	R: 0; G: 255; B: 255; W: 0; A: 0; P: 0
	180…194	R: 255; G: 0; B: 0; W: 170; A: 0; P: 0
	195…209	R: 0; G: 255; B: 0; W: 170; A: 0; P: 0

Crazy Par Bundle4 8x5W RGBWAP

Channel	Value	Function
	210…224	R: 0; G: 0; B: 255; W: 170; A: 0; P: 0
	225…239	R: 255; G: 180; B: 0; W: 130; A: 255; P: 0
	240…255	R: 255; G: 255; B: 255; W: 255; A: 255; P: 255
	Channel 6 = 6…227	
	0…255	Programme speed Pr.02…Pr.38
	Channel 6 = 228…255	
	0…255	Sound-controlled operation SO.01…SO.37
10	Strobe effect	
	0…255	Stroboscope effect (0 % to 100 %), if channel 6 = 1…5

7.7 Functions in 24-channel DMX mode

Channel	Value	Function
1	0…255	Intensity red (0 % to 100 %), spot 1
2	0…255	Intensity green (0 % to 100 %), spot 1
3	0…255	Intensity blue (0 % to 100 %), spot 1
4	0…255	Intensity white (0 % to 100 %), spot 1
5	0…255	Intensity amber (0 % to 100 %), spot 1
6	0…255	Intensity UV (0 % to 100 %), spot 1
7	0…255	Intensity red (0 % to 100 %), spot 2
8	0…255	Intensity green (0 % to 100 %), spot 2
9	0…255	Intensity blue (0 % to 100 %), spot 2
10	0…255	Intensity white (0 % to 100 %), spot 2
11	0…255	Intensity amber (0 % to 100 %), spot 2

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Channel	Value	Function
12	0…255	Intensity UV (0 % to 100 %), spot 2
13	0…255	Intensity red (0 % to 100 %), spot 3
14	0…255	Intensity green (0 % to 100 %), spot 3
15	0…255	Intensity blue (0 % to 100 %), spot 3
16	0…255	Intensity white (0 % to 100 %), spot 3
17	0…255	Intensity amber (0 % to 100 %), spot 3
18	0…255	Intensity UV (0 % to 100 %), spot 3
19	0…255	Intensity red (0 % to 100 %), spot 4
20	0…255	Intensity green (0 % to 100 %), spot 4
21	0…255	Intensity blue (0 % to 100 %), spot 4
22	0…255	Intensity white (0 % to 100 %), spot 4
23	0…255	Intensity amber (0 % to 100 %), spot 4
24	0…255	Intensity UV (0 % to 100 %), spot 4

8 Technical specifications
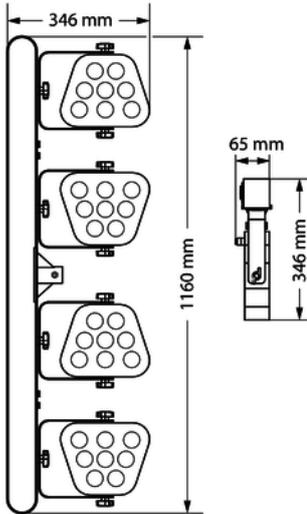
Light source		4 × 8 × 6in1 RGBWAP LED, 5 W
Optical properties	Beam angle	25°
	Light power	4128 Lux @ 1 m
Control	DMX	
	IR remote control	
	Foot switch unit (optionally available)	
Number of DMX channels		6, 8, 10, 24
Input connections	Voltage supply	Lockable input socket (Power Twist)
	DMX control	XLR chassis socket, 3-pin
	Foot controller unit	1/4" jack socket
Output connections	Voltage supply	IEC chassis plug C13

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		Lockable output socket (Power Twist).
	DMX control	XLR chassis socket, 3-pin
Power consumption		170 W
Supply voltage		100 – 240 V ∼ 50/60 Hz
Fuse		5 mm × 20 mm, 3 A, 250 V, slow-blow
Battery remote control	Battery type	Lithium button cell, 3 V, CR 2025
Degree of protection		IP20
Mounting options		Stand Stand holder: 36 mm flange 3 × M10 thread on the top side
Dimensions (W × H × D)		1160 mm × 346 mm × 65 mm
Weight		12 kg

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

Further information

Spotlight included	Yes
Effect devices included	No
LED bars included	No
Control included	Remote control
Stand included	No
Case/bag included	Yes

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9 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	Check the mains connection and the main fuse.
No response to the DMX controller	1. If the dot after the last digit in the display does not flash in 'DMX' mode, no DMX signal is received. Check whether the DMX controller is switched on. Check the DMX connectors and cables for proper connection.
	2. If the dot after the last digit in the display is flashing but there is still no response, 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*.

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10   Plug and connection assignments

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')

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 these materials with your normal household waste, but make sure that they are fed to a recovery. Please follow the notes and markings on the packaging.

Disposal of batteries

Batteries must not be disposed of as domestic waste or thrown into fire. Dispose of the batteries according to national or local regulations regarding hazardous waste. To protect the environment, dispose of empty batteries at your retail store or at appropriate collection sites.

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 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.

Crazy Par Bundle4 8x5W RGBWAP

Notes

Notes