STAIRVILLE

Outdoor Stage PAR
12 × 3W Tri

LED-PAR

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MUSIC IS OUR PASSION

user manual

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1 General notes

This user manual contains important information on 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, include the manual for the next owner.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section provides an overview of the symbols and signal words used in this user 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 signs	Type of danger
	Warning – suspended load.
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended to be used as an electronic illumination effect using LED technics. 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.

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.

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 cover the device nor any ventilation slots. Do not place the device near any direct heat source. Keep the device away from naked flames.

NOTICE!

Power supply

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

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

3 Features

Due to its stable and weatherproof housing made of die-cast aluminum, the Outdoor Stage PAR 12 × 3W Tri is designed specifically for outdoor use. With the very bright tri-colour LEDs, it is particularly suitable for professional lighting applications.

Special features of this device:

- 12 × Tri-Colour LEDs (3 W)
- Control via DMX (3 different modes) and via buttons and display on the unit
- 10 preprogrammed automatic shows
- Master / slave mode
- Rugged die-cast aluminum housing
- Protection type IP65 (suitable for outdoor use)
- Solid dual bracket for safe truss fixing or firm standing on the floor

4 Installation

Unpack and check carefully 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 on a truss or on the floor. A mounting bracket is included.

WARNING!

Risk of injury caused by falling objects

Make sure that the installation complies with the standards and rules that apply in your country. Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.

NOTICE!

Risk of overheating

Always ensure sufficient ventilation.

The ambient temperature must 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 output to audio devices such as mixers or amplifiers.

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 pin assignment.

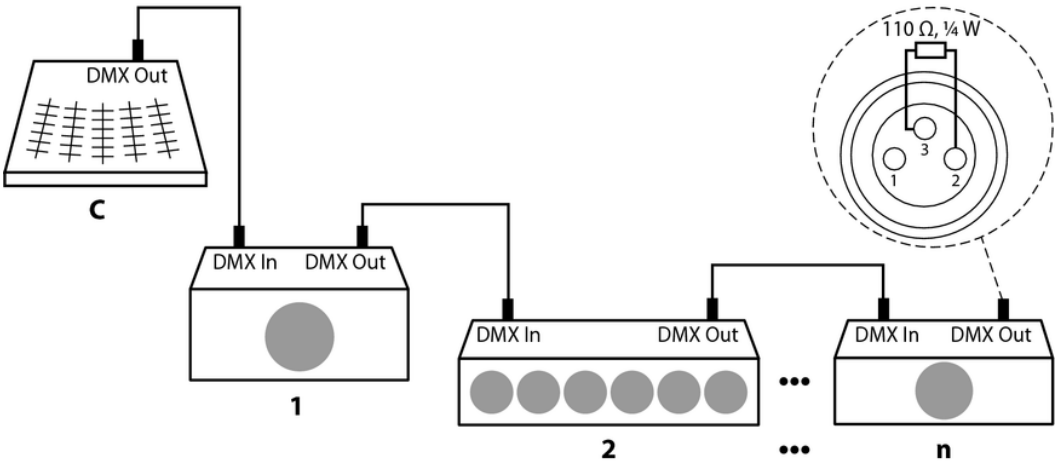
1	Ground, shielding
2	DMX data (–)
3	DMX data (+)

5 Starting up

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.

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).

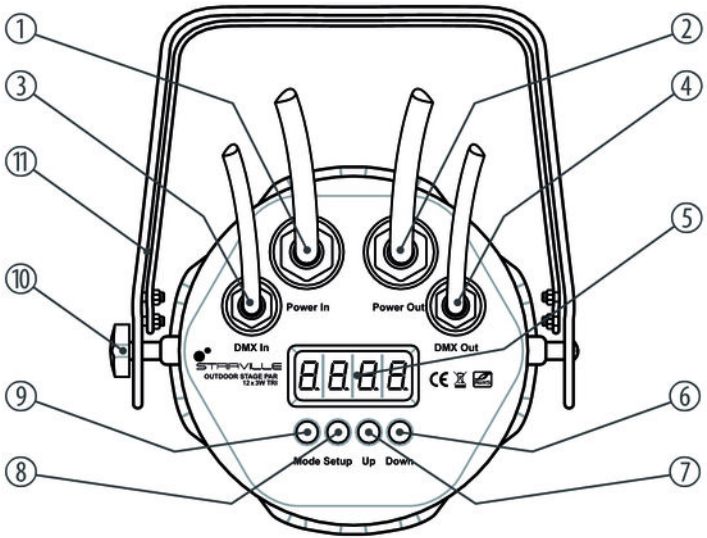


Connections in master/slave mode

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.

6 Connections and operating elements

Rear panel



1	**Power In** Power cable for operating voltage supply.
2	**Power Out** Power cable to supply a connected device with operating voltage.
3	**DMX IN** DMX input cable.
4	**DMX OUT** DMX output cable.
5	Display.
6	**Down** button Decreases the indicated value by one.
7	**Up** button Increases the indicated value by one.

8	**Setup** button Selects an option of the respective operating mode.
9	**Mode** button Activates the main menu and toggles between menu items.
10	Locking screw for the mounting bracket.
11	Mounting bracket.

7 Operating

7.1 Starting up the device

Connect the unit to the power grid to start the operation. After a few seconds the display shows a running reset. After that, the unit is ready for use.

7.2 Main menu

Press *[MODE]* to activate the main menu and to select an operating mode. Use the *[UP]* and *[DOWN]* buttons to change the respectively indicated value. When the display shows the desired value, press *[MODE]*.

If you don't press any button for about 20 seconds, the unit returns to the previous mode. The set values are retained even if the device is disconnected from the power supply.

DMX-Modus

Press *[Mode]* repeatedly until the display shows *'d.xxx'*. Now you can set the number of the first DMX channel to be used by the device (DMX address). Use the *[UP]* and *[DOWN]* buttons to set a value between 1 and 510 (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
3-channel	510
4-channel	509
8-channel	505

Press *[Setup]* to confirm. Use the *[UP]* and *[DOWN]* buttons to select one of the following DMX operating modes:

- *'d-P2'* (three channels)
- *'d-P3'* (four channels)
- *'d-P1'* (eight channels)

This setting is only relevant if the unit is DMX controlled. When the display shows the desired value, press *[Setup]* to confirm the selection. Then press *[Mode]* to return to the parent menu. To return there without changes, press *[Mode]*.

Operating mode 'Show/Master'

Press *[Mode]* repeatedly until the display shows *'Pr.xx'*. Now you can select one of the 10 pre-programmed automatic shows. Use the *[UP]* and *[DOWN]* buttons to select a value between *'Pr.01'* and *'Pr.10'*.

Programme	Description
Pr.01	Constant colouring
Pr.02	Slow transition, all colours
Pr.03	Slow transition, three colours
Pr.04	Fast transition, all colours
Pr.05	Fast transition, three colours
Pr.06	Random programme 1
Pr.07	Random programme 2
Pr.08	Slow transition bright/dark, red
Pr.09	Slow transition bright/dark, green
Pr.10	Slow transition bright/dark, blue

The automatic show can only be activated on the unit, that operates as Master.

This setting is only relevant if the unit is not controlled via DMX. The device can work in stand-alone mode or control connected devices of the same type, which must be configured as slave. When the display shows the desired value, press *[Setup]* to confirm your selection, and then press *[Mode]* to return to the parent menu. To return there without changes, press *[Mode]*.

Programme Pr.01 settings

For programme *'Pr.01'*, three full colours and four mixed colours are available. First, choose programme *'Pr.01'* and confirm with *'Setup'*. Now you can select one of the following options with *[UP]* and *[DOWN]*:

Value	Description
1.--r	Red
2.-rg	Red and green
3.--g	Green
4.-gb	Green and blue
5.--b	Blue
6.-rb	Red and blue
7.rgb	Red, green and blue

Confirm the selection with *'Setup'*. In the following menu you can use the *[UP]* and *[DOWN]* buttons to set the intensity of the various colours.

Reconfirm with *'Setup'*. In the following menu you can use the *[UP]* and *[DOWN]* buttons to set the blinking speed of each colour in a range of *'FS00'* to *'FS99'*.

Programme Pr.02 … Pr.10 settings

Additionally, you can set the transition speed from one colour to the next one for the programmes *'Pr.02'* to *'Pr.01'*. Use the *[UP]* and *[DOWN]* buttons to select a value between 'slow' and 'fast' (display shows *'SP.01'* … *'SP.99'*).

Operating mode 'Auto'

In Auto mode, all preprogrammed shows are played in an endless loop.

Press *[Mode]* repeatedly until the display shows *'Auto'*. Confirm your selection with *[Setup]*. Now you can set the execution speed of the programmes in a range between 'slow' to 'fast' or 'Flash' respectively with the *[UP]* and *[DOWN]* buttons (display shows *'SP.01'* … *'SP.99'* … *'SP.FL'*).

Confirm your selection with *'Setup'*. In the following menu you can set the blinking speed for the 'Flash' option in a range of *'FS00'* to *'FS99'* with the *[UP]* and *[DOWN]* buttons.

Reconfirm with *'Setup'*. In the following menu you can use the *[UP]* and *[DOWN]* buttons to set the fade speed for the programmes in a range of *'Fd00'* to *'Fd99'*.

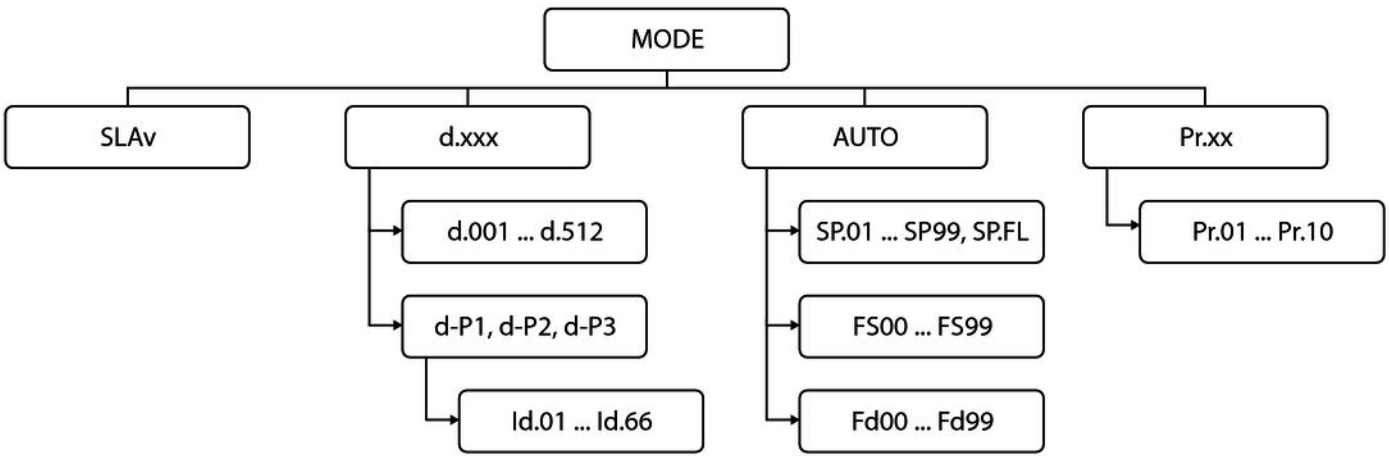
This setting is only relevant if the unit is not controlled via DMX. When the display shows the desired value, press *[OK]* to confirm your selection, and then press *[M]* to return to the parent menu. To return there without changes, press *[M]*.

Operating mode 'Slave'

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

This setting is only relevant if the unit works as slave controlled by a master, but not via DMX. When the display shows the desired value, press *[Setup]* to confirm your selection, and then press *[Mode]* to return to the parent menu. To return there without changes, press *[Mode]*.

7.3 Menu overview



7.4 Functions in 3-channel DMX mode

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 %)

7.5 Functions in 4-channel DMX mode

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %)
2	0…255	Intensity red (0 % to 100 %)

Channel	Value	Function
3	0…255	Intensity green (0 % to 100 %)
4	0…255	Intensity blue (0 % to 100 %)

7.6 Functions in 8-channel DMX mode

In 8-channel DMX mode, you can use the DMX menu (*'DMX-Modus' on page 22*) to assign a device ID in the range of *'Id.01'* to *'Id.66'*. Assigning such an ID lets you group several devices together, that use the same DMX address. One or several connected devices can then be controlled via channel 7.

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %)
2	0…255	Intensity red (0 % to 100 %), if channel 6 = 0

Channel	Value	Function
	Constant colour, if channel 6 = 1…24	
	0…8	Red: 255
	9…17	Red: 255, green: 50
	18…26	Red: 255, green: 150
	27…35	Red: 255, green: 255
	36…44	Red: 200, green: 255
	45…53	Red: 100, green: 255
	54…62	Red: 40, green: 255
	63…71	Green: 255
	72…80	Green: 255, blue: 50
	81…89	Green: 255, blue: 150
	90…98	Green: 255, blue: 255
	99…107	Green: 150, blue: 255

Channel	Value	Function
	108…116	Green: 50, blue: 255
	117…125	Blue: 255
	126…134	Red: 50, blue: 255
	135…143	Red: 150, blue: 250
	144…152	Red: 255, blue: 255
	153…161	Red: 220, blue: 50
	162…170	Red: 150, green: 50, blue: 100
	171…179	Red: 50, green: 180, blue: 220
	180…188	Red: 50, green: 220, blue: 100
	189…197	Red: 150, green: 220
	198…206	Red: 150, blue: 220
	207…215	Green: 180, blue: 220
	216…224	Green: 220, blue: 50

Channel	Value	Function
	225…233	Red: 220, green: 100, blue: 50
	234…242	Red: 220, green: 200, blue: 100
	243…251	Red: 255, green: 200, blue: 150
	252…255	Red: 255, green: 255, blue: 255
	Execution speed, if channel 6 = 25…255	
	0…255	Slow…fast
3	Channel 6 = 0	Intensity green 0…255 (0 % to 100 %)
	Channel 6 = 1…255	No function
4	Channel 6 = 0	Intensity blue 0…255 (0 % to 100 %)
	Channel 6 = 1…255	No function
5	0…9	No function
	10…255	Strobe effect, speed slow…fast
6	0	Constant RGB mix, depending on channel 2, 3 and 4

Channel	Value	Function
	1…24	Constant colour, depending on channel 2
	25…49	Pr.02
	50…74	Pr.03
	75…99	Pr.04
	100…124	Pr.05
	125…149	Pr.06
	150…174	Pr.07
	175…199	Pr.08
	200…224	Pr.09
	225…255	Pr.10
7	Control of all devices that use the same DMX address	
	0…9	All IDs
	10…19	ID1

Channel	Value	Function
	20…29	ID2
	…	
	200…209	ID20
	210	ID21
	211	ID22
	…	
	255	ID66
8	0…250	Fast response fader 1, 2, 3 and 4
	251…255	Delayed response fader 1, 2, 3 and 4

8 Technical specifications

LEDs	12 × Tri-Colour-LEDs, 3 W
Dispersion angle	30 °
Number of DMX channels	3, 4, 8
Operating supply voltage	AC 110…230 V ~ , 50/60 Hz
Power consumption	30 W
Protection type	IP65
Dimensions (W × D × H)	184 mm × 184 mm × 170 mm
Weight	3.5 kg

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 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 fuse.
No response to the DMX controller.	1. Check the DMX ports and cables for proper connection.
	2. Check the address settings and the DMX polarity.
	3. Try using another DMX controller.
	4. Check to see if the DMX cables run near or alongside to high voltage cables that may cause damage or interference to DMX interface circuits.

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

10 Cleaning

Optical lenses

Clean the exterior of accessible optical lenses periodically to optimise 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 normal glass cleaning products.
- Always dry the parts carefully.

11 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 device is subject to the European directive 2002/96/EC.

Do not dispose of the device 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.