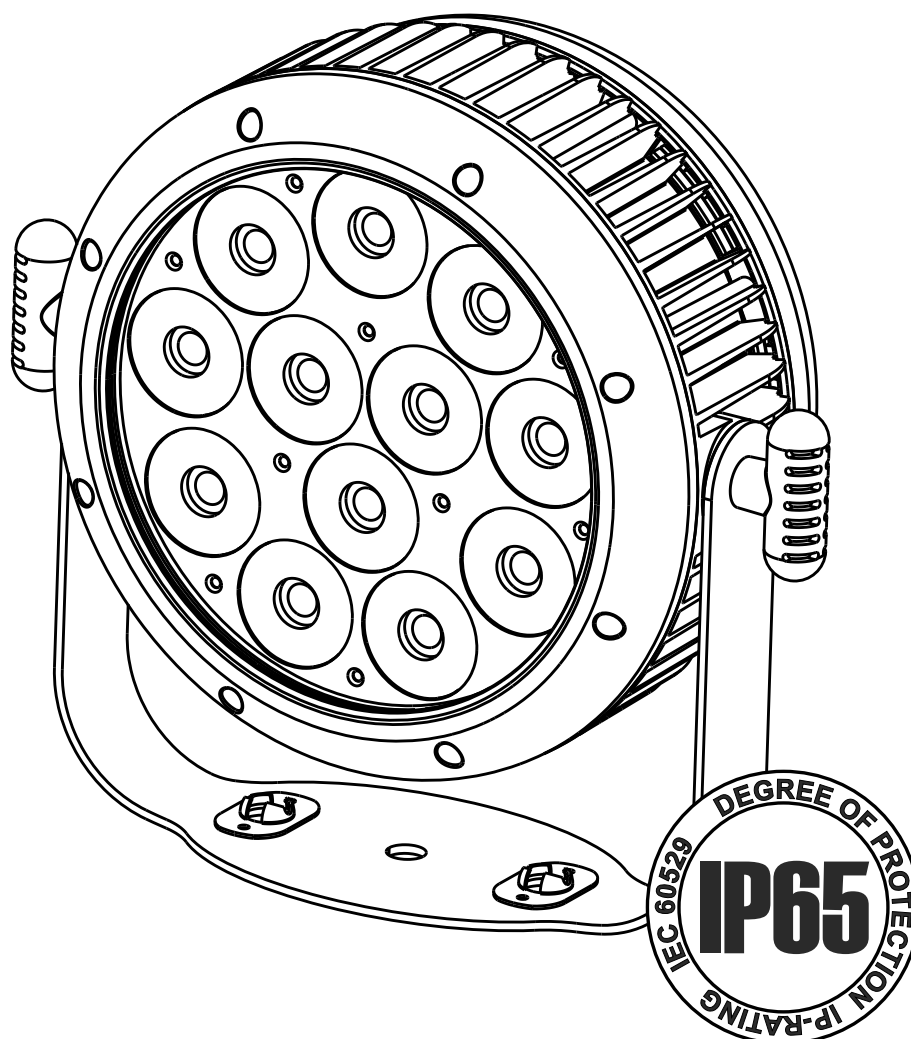


BTI-FLATPAR12



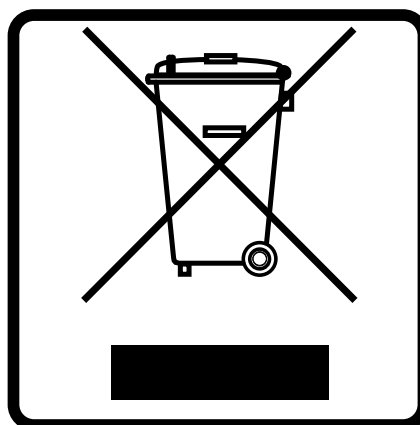
ENGLISH Operation Manual

Other languages can be downloaded from:
WWW.BRITEQ-LIGHTING.COM



Version: 1.01





EN - DISPOSAL OF THE DEVICE

Dispose of the unit and used batteries in an environment friendly manner according to your country regulations.

FR - DÉCLASSER L'APPAREIL

Débarrassez-vous de l'appareil et des piles usagées de manière écologique conformément aux dispositions légales de votre pays.

NL - VERWIJDEREN VAN HET APPARAAT

Verwijder het toestel en de gebruikte batterijen op een milieuvriendelijke manier conform de in uw land geldende voorschriften.

DU - ENTSORGUNG DES GERÄTS

Entsorgen Sie das Gerät und die Batterien auf umweltfreundliche Art und Weise gemäß den Vorschriften Ihres Landes.

ES - DESHACERSE DEL APARATO

Reciclar el aparato y pilas usadas de forma ecologica conforme a las disposiciones legales de su pais.

IT - SMALTIMENTO DEL DISPOSITIVO

Smaltire l'unità e le batterie esaurite in modo ecocompatibile, nel rispetto delle normative vigenti nel proprio paese.

USER MANUAL

Thank you for buying this Briteq® product. To take full advantage of all possibilities and for your own safety, please read these operating instructions very carefully before you start using this unit.

FEATURES

- This flat outdoor IP65-projector is equipped with 12pcs **20W RGBAL+UV** LEDs.
- A powerful workhorse that can be used for different applications!
- Standard 17° beam with 2494 lux @ 5m and more than 6750 lm!
- The **wireless transceiver** (transmitter + receiver) is 100% compatible with the **W-DMX G4S protocol**.
- Very smooth RGBAL color changes + extra UV for special effects!
- Different working modes for maximum flexibility:
 - **Standalone:** custom colors, color + CCT presets or automatic color changes
 - **Master/slave mode:** the master controls the slaves wirelessly or via XLR cabling, creating wonderful light shows.
 - **DMX-controlled:** wired and wireless, 5 modes:
 - 2 channel: Dim + col/cct presets
 - 3 channel: HSV (Hue, Saturation, Value)
 - 7 channel: Separate colors + master
 - 10 channel: Separate colors + master + strobe + col/cct presets + control
 - 12 channel: 10 channel mode + color chases
- Graphic OLED display with the touch keys for smooth operation of the setup menu.
- Silent but effective cooling with 2 fans.
- Sturdy yet elegant mounting bracket:
 - Thanks to its width, the projector can be placed on the floor as an uplighter.
 - Easy truss mounting with traditional M10/M12 hanging clamps or quick release omega brackets
- PowerCON TRUE1 compatible Seetronic mains in- and output for easy daisy chaining.
- The standard weatherproof 5-pin XLR in- and output connectors can be easily converted in 3-pin XLR with the optional conversion kit "BT-XLR5TO3 COMBIKIT" (order code: B05578).

BEFORE USE

- Before you start using this unit, please check if there's no transportation damage. Should there be any, do not use the device and consult your dealer first.
- **Important:** This device left our factory in perfect condition and well packaged. It is absolutely necessary for the user to strictly follow the safety instructions and warnings in this user manual. Any damage caused by mishandling is not subject to warranty. The dealer will not accept responsibility for any resulting defects or problems caused by disregarding this user manual.
- Keep this booklet in a safe place for future consultation. If you sell the fixture, be sure to add this user manual.

Check the contents:

Check that the carton contains the following items:

- BTI-FLATPAR12
- Power cable
- Operating instructions

SAFETY INSTRUCTIONS:



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: To reduce the risk of electric shock, do not remove the top cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.

IP65

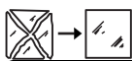
This unit is fully protected against dust ingress and is also protected against low-pressure water jets from all directions.



This symbol means: Read instructions



This symbol determines: the minimum distance from lighted objects. The minimum distance between light-output and the illuminated surface must be more than 0,5 meter



Visibly damaged lenses/housing parts should be replaced with original spare parts.

RISK GROUP 2
CAUTION:
Do not stare at operating lamp

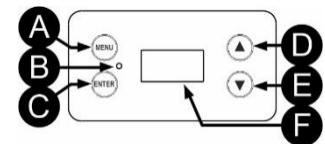
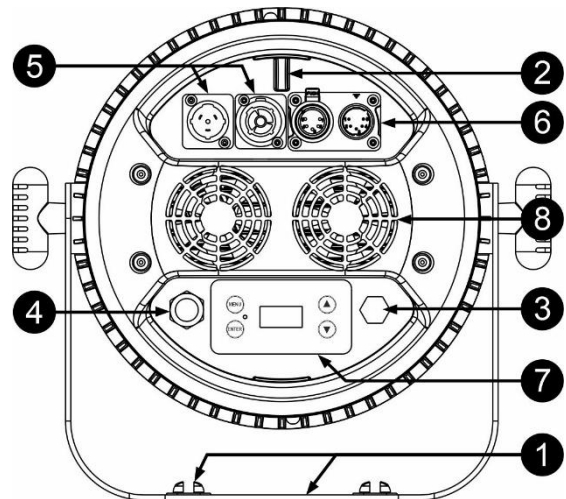
CAUTION: Do not stare at operating lamp.
May be harmful to the eyes.

- To protect the environment, please try to recycle the packing material as much as possible.
- To avoid condensation forming inside, allow the unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condense sometimes prevents the unit from working at full performance or may even cause damage.
- Don't place metal objects or spill liquid inside the unit. Electric shock or malfunction may result. If a foreign object enters the unit, immediately disconnect the mains power.
- Locate the fixture in a well-ventilated spot, away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls.
- Don't cover any ventilation openings as this may result in overheating.
- Prevent use in dusty environments and clean the unit regularly.
- Keep the unit away from children.
- Inexperienced persons should not operate this device.
- Maximum ambient temperature is 40°C. Don't use this unit at higher ambient temperatures.
- Make sure the area below the installation of the fixture is free from unwanted persons during rigging, de-rigging and servicing.
- Allow the device about 10 minutes to cool down before to start servicing.
- Always unplug the unit when it is not used for a longer time or before starting servicing.
- The electrical installation should be carried out by qualified personnel only, according to the regulations for electrical and mechanical safety in your country.
- Check that the available voltage is not higher than the one stated on the unit.
- The power cord should always be in perfect condition. Switch the unit immediately off when the power cord is squashed or damaged. It must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Never let the power cord come into contact with other cables!
- This fixture must be grounded in order to comply with electrical safety regulations.
- Don't connect the unit to any dimmer pack.
- Always use an appropriate and certified safety cable when installing the unit.
- In order to prevent electric shock, do not open the cover. There are no user serviceable parts inside.
- **Never** repair a fuse or bypass the fuse holder. **Always** replace a damaged fuse with a fuse of the same type and electrical specifications!
- In the event of serious operating problems, stop using the fixture and contact your dealer immediately.
- The housing and the lenses must be replaced if they are visibly damaged.
- Please use the original packaging when the device is to be transported.
- Due to safety reasons it is prohibited to make unauthorized modifications to the unit.

Important: Never look directly into the light source! Don't use the effect in the presence of persons suffering from epilepsy.

DESCRIPTION:

1. **HANGING BRACKET:** with solid knob to secure projector in any position. Can be used with traditional M10/M12 hanging clamps or quick release omega brackets (order code: B02677).
2. **SAFETY EYE:** used for attaching a safety cable.
3. **ANTENNA:** short antenna for internal W-DMX transceiver. Don't remove or break this antenna!
4. **MOISTURE VALVE:** removes moisture from the housing to prevent condensation on the front glass. Please do not remove this valve or block the vents.
5. **MAINS input/output:** Connect the supplied mains cable or any PowerCON® TRUE1 extension cable here. The output can be used to daisy chain the power to several other projectors. Always close the rubber caps if no connector is connected.
6. **DMX input/output:** equipped with XLR 5pin male/female connectors, close the rubber caps if no connector is connected. If needed, the 5pin XLR-connectors can easily be converted to XLR 3pin with an optional conversion kit "BT-XLR5TO3 COMBIKIT" with order code: B05578.
7. **DISPLAY + TOUCH BUTTONS:** shows all information needed to operate the projector easily. The touch buttons are used to easily navigate the setup menu and adjust settings.
 - A. **MENU button:** press to enter the setup menu. Once in the setup menu: press to go to a higher menu level or exit the setup menu.
 - B. **W-DMX LED:** shows the status of the W-DMX transceiver:
 - **Receiver Mode:**
 - **Green:** paired with transmitter and receiving DMX
 - **Green blinking fast:** pairing with transmitter
 - **Green blinking:** paired with transmitter but no DMX detected.
 - **Red blinking:** paired with transmitter but connection lost
 - **White:** not paired yet → ready to pair with transmitter
 - **Transmitter Mode:**
 - **Blue:** sending DMX-signal
 - **Blue blinking fast:** pairing with available receivers.
 - **Blue blinking:** no DMX-signal available
 - C. **ENTER button:** press to confirm a selected item or confirm a value.
 - D. **▲ button:** press to browse the menu or increase values.
 - E. **▼ button:** press to browse the menu or decrease values.
 - F. **OLED DISPLAY:** used to easily navigate the setup menu.



OVERHEAD RIGGING

- **Important:** The installation must be carried out by qualified service personnel only. Improper installation can result in serious injuries and/or damage to property. Overhead rigging requires extensive experience! Working load limits should be respected, certified installation materials should be used, the installed device should be inspected regularly for safety.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Locate the fixture in a well ventilated spot, far away from any flammable materials and/or liquids. The fixture must be fixed **at least 50cm** from surrounding walls.
- The device should be installed out of reach of people and outside areas where persons may walk by or be seated.
- Before rigging make sure that the installation area can hold a minimum point load of 10 times the device's weight.
- Always use a certified safety cable that can hold 12 times the weight of the device when installing the unit. This secondary safety attachment should be installed in such a way that whichever part of the installation can drop no more than 20cm, if the main attachment should fail.
- The device should be well attached; a free-swing mounting is dangerous and must not be considered!



- Don't cover any ventilation openings as this may result in overheating.
- The operator must make sure that the safety-related and machine-technical installations are approved by an expert before using them for the first time. The installations should be inspected every year by a skilled professional to be sure that safety is still optimal.

ELECTRICAL INSTALLATION

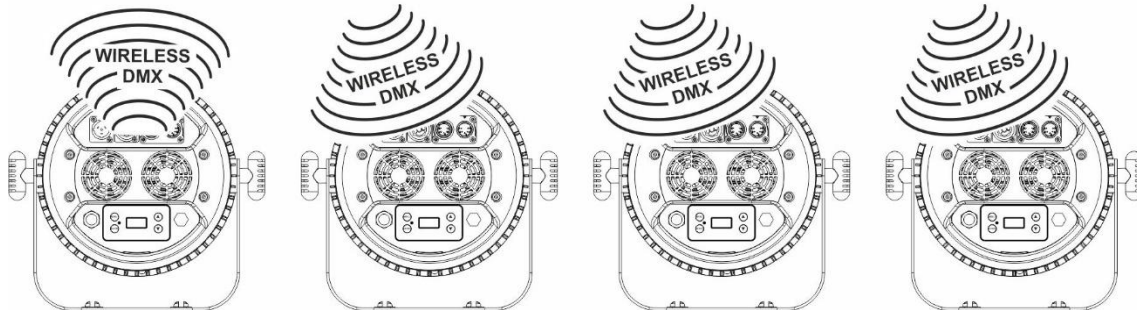
⚠ Important: The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.

Note: In the explanations below, we assume that you will operate the projectors with the internal battery which is already fully charged. If you want to use them with a mains cable, simply connect all projectors to the mains using the supplied power cable.

Electrical installation for 1 standalone unit:

- Switch the projector on by inserting the power cable. The unit starts working immediately in the last selected stand-alone mode.
- Refer to chapters SETUP MENU and OPERATING INSTRUCTIONS to learn how to operate.

Electrical installation for two or more units in “wireless” master/slave:



- Set 1 unit as Master (wireless transceiver should be switched on in TX-mode)
- On the master: choose a working mode (Manual color, Color preset or Color Chase)
- Set the other units as Slaves (wireless transceiver should be switched on in RX-mode and NOT linked)
- Pair all units: select “Create Links” on the Master!
- Done

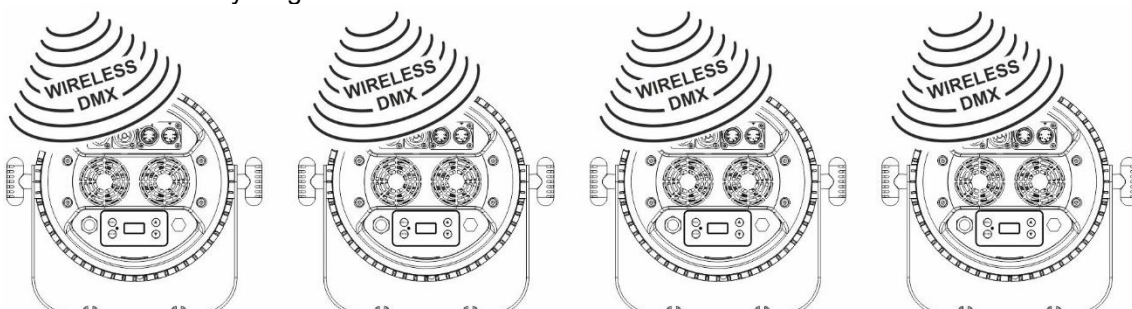
Note: See also chapters SETUP MENU + WIRELESS OPERATION BETWEEN PROJECTORS.

Electrical installation for two or more units in DMX-mode:

You can control the BTI-FLATPAR12 by DMX in different ways, depending on your needs. You can go for a wired solution (using cables), you can go for a wireless solution or you can go for a combination of both...

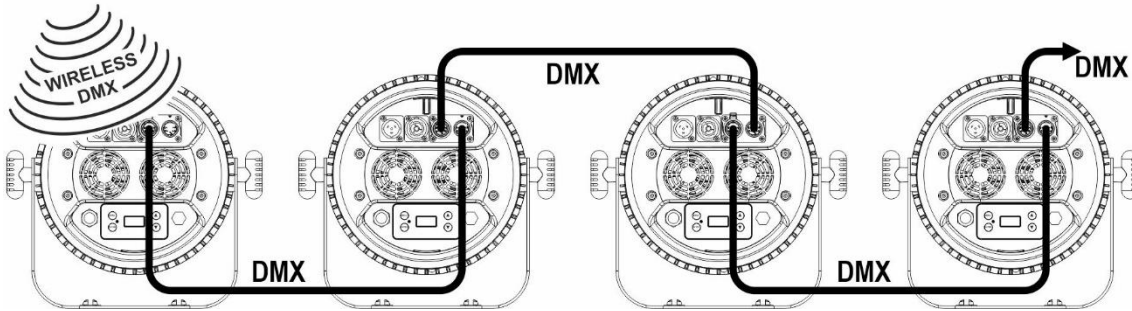
WIRELESS SOLUTION

- Switch all projectors on.
- In the setup menu: select Master/Slave and choose “Slave/DMX”
- In the setup menu: select WIRELESS and choose: Power = on, “Delete link” (press ENTER to confirm)
- Put all projectors in the desired DMX-channel mode.
- Set the desired DMX start address on all projectors, take in account the number of DMX channels used by the selected DMX-channel mode!
- Pair all projectors with the wireless DMX transmitter: press the pair button on the transmitter. (for example: Briteq® “WTR-DMX TRANSCIVER IP Mk2” transmitter is 100% compatible)
- Once this is done everything should work.



MIXED SOLUTION

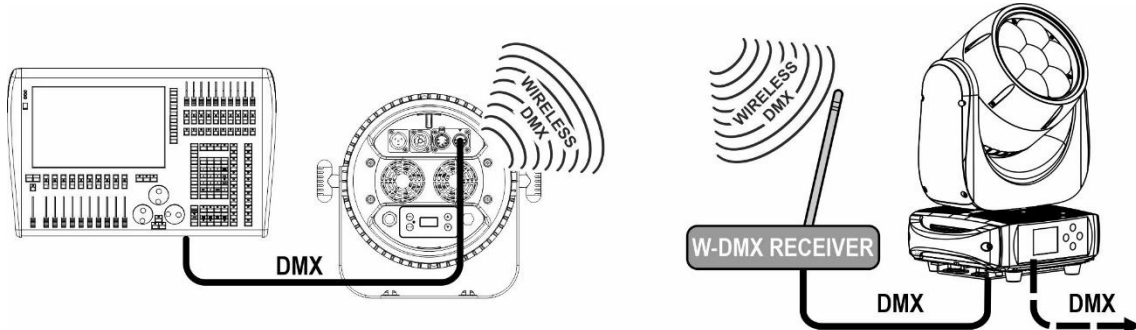
- Daisy chain all projectors using good quality balanced microphone/DMX cables.
- Switch all projectors on.
- In the setup menu: select Master/Slave and choose “Slave/DMX”
- On the first projector: select WIRELESS and choose: Power = on, “Delete link” (press ENTER to confirm)
- Put all projectors in the desired DMX-channel mode.
- Set the desired DMX start address on all projectors, take into account the number of DMX channels used by the selected DMX-channel mode!
- Pair the first projector with the wireless DMX transmitter: press the pair button on the transmitter. (for example: Briteq® “WTR-DMX TRANSCIEVER IP Mk2” transmitter is 100% compatible)
- Once this is done everything should work, you can even connect other DMX-equipment in the DMX-chain.



ALTERNATIVE USE AS A W-DMX TRANSMITTER

The projector can also be used as an (alternative) DMX transmitter:

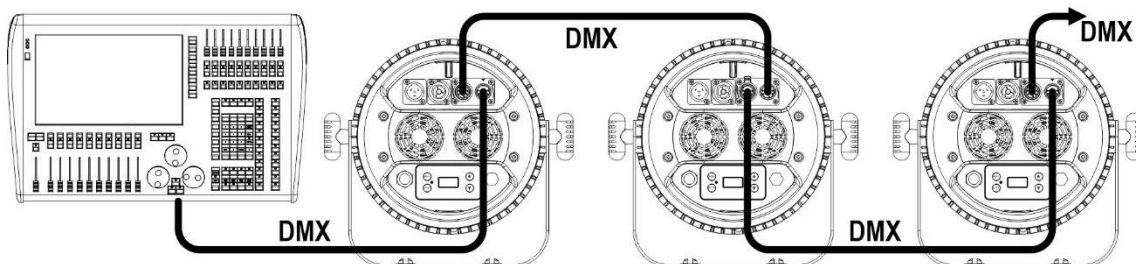
- Connect the projector to a controller using a DMX-cable.
 - In the setup menu: select Master/Slave and choose “Slave/DMX”
 - When the projector detects a DMX-signal on the input, it automatically switches to G3-transmit mode (TX).
- The projector is now ready to be used as a simple W-DMX transmitter and can be used with any W-DMX G3 receiver.



WIRED SOLUTION

Same as the MIXED solution but the first unit in the chain also receives the DMX-signal from a DMX-cable plugged in its DMX-input connector. (Wireless power can be set to OFF)

Note: a wired DMX signal takes precedence over a wireless DMX signal.



SETUP MENU:

MAIN MENU:

- To select any of the menu options, press the **MENU** button.
- Use **▲** and **▼** button to choose the desired menu option.
- Once the required menu option is selected, press the **ENTER** button to select.
- Press the **MENU** button to return to running mode.

Note: when the display is locked, press these 5 keys in sequence to unlock: **▲, ▼, ▲, ▼, ENTER**

	MAIN MENU	LEVEL 2	DEFAULTS
	DMX ADDR		1
	└ 001 → 512		
	CH. MODE		10CH
	└ HSV (3CH)		
	└ 2CH		
	└ 7CH		
	└ 10CH		
	└ 12CH		
	W-DMX (Tx/Rx)		
	└ POWER	ON /OFF	OFF
	└ Create Links	CONFIRM (YES/NO)	
	└ Delete Link	CONFIRM (YES/NO)	
	Master/Slave		SLAVE/DMX
	└ Slave / DMX		
	└ Master		
	DMX Fail		FREEZE
	└ Freeze		
	└ Blackout		
NOT SHOWN while Master/slave is set to Slave/DMX	DIM Master		
	└ 000→100%		100%
	COL Manual		
	└ RED (000→ 255)		255
	└ GREEN (000→ 255)		255
	└ BLUE (000→ 255)		255
	└ LIME (000→ 255)		255
	└ AMBER (000→ 255)		255
	└ UV (000→ 255)		255
	COL Preset		3200K
	└ 2500K		
	└ 2800K		
	└ 3200K		
	└ 4000K		
	└ 5600K		
	└ 6000K		
	└ YELLOW		
	└ ORANGE		
	└ RED		
	└ MAGENTA		
	└ CYAN		
	└ BLUE		
	└ GREEN		
	└ GREEN 2		
	└ BRIGHT GREEN		
	└ ORANGE 2		
	└ YELLOW 2		
	└ DARK PINK		
└ BABY PINK			
└ AQUA			

	L	UV		
		COL Chases		
	L	JUMP / FADE		FADE
	L	SPEED	000→255	100
	L	RGB		
	L	RGBA		
	L	RGBAL		
	L	RG		
	L	RB		
	L	RL		
	L	RA		
	L	GB		
	L	GL		
	L	GA		
	L	BA		
		DISPLAY		
	L	ROTATE	0° / 180°	
	L	ON		LOCK
	L	OFF		
	L	LOCK		
		DIM SPEED		
	L	LED		HALOGEN
	L	HALOGEN		
		DIM CURVES		
	L	LINEAR		SQUARE
	L	SQUARE		
	L	S-CURVE		
		PWM FREQ.		
	L	1200 Hz		4000 Hz
	L	2400 Hz		
	L	4000 Hz		
	L	12000 Hz		
	L	16000 Hz		
	L	20000 Hz		
		SERVICE		
	L	CALIBRATION		
		L	RED (100 → 255)	255
		L	GREEN (100 → 255)	255
		L	BLUE (100 → 255)	255
		L	LIME (100 → 255)	255
		L	AMBER (100 → 255)	255
		L	UV (100 → 255)	255
	L	PROJ HRS	**** Hrs	
	L	LED TEMP	** °C	
	L	RDM UID	0x2122100D****	
	L	FIRMWARE	V*. **	
	L	FACTORY RESET	YES / NO	

DMX SETTINGS menu

DMX Address

Used to set the start address in a DMX setup.

- Press the MENU button.
- Press the ▲ or ▼ button until **DMX Address** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons to change the DMX512 start address (end address is shown between brackets)
- Once the correct address is shown on the display, press the ENTER button to confirm.

CH. MODE

The unit has different channel modes, refer to the DMX-chart to see the differences.

- Press the MENU button.
- Press the ▲ or ▼ button until **CH. MODE** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons to select one of the available channel modes.
- Once the mode is selected, press the ENTER button to confirm.

W-DMX (Tx / Rx)

The working mode for the internal wireless DMX-transceiver is automatically selected.

- Press the MENU button.
- Press the ▲ or ▼ button until **W-DMX (Tx)** or **W-DMX (Rx)** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons to select one of the available options and confirm with ENTER:
 - **POWER:** switch the internal transceiver ON / OFF.
 - **Delete / Create wireless links:**
 - **While in SLV/DMX-mode:**
 - **No Wired DMX-input detected:** Receiver mode (RX-mode) is automatically selected, you can only delete an existing wireless link. → Choose “**Delete Link**” and press ENTER to confirm. Once unlinked, the receiver is ready to pair with another transmitter.
 - **Wired DMX-input detected:** Transmitter mode (TX-mode) is automatically selected. → Choose “**Create Links**”: the transmitter links to all receivers that are currently unlinked.
 - **While in Master-mode:** Transmitter mode (TX-mode) is automatically selected. → Choose “**Create Links**”: the transmitter links to all receivers that are currently unlinked.

Master/Slave

Select the projector's operating mode: **Master or Slave/DMX.**

- Press the MENU button.
- Press the ▲ or ▼ button until **Master/Slave** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons to select one of the available options and confirm with ENTER:
 - **Slave/DMX:** the projector works as a slave unit:
 - **Slave:** the projector waits for the (wired or wireless) signals from the connected **master** projector.
 - **DMX:** the projector waits for (wired or wireless) DMX-signals from a compatible DMX-controller.
 - **Master:** the projector works independently, based on the settings in the setup menu.

DMX Fail

Select how the projector should react when the DMX signal fails

- Press the MENU button.
- Press the ▲ or ▼ button until **DMX FAIL** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons to select one of the available options:
 - **FREEZE:** last valid DMX-signal is preserved and used.
 - **BLACKOUT:** projector turns dark while the DMX-signal is lost.
- Once the option is selected, press the ENTER button to confirm.

DIM Master (only available while working in Master mode)

In **MASTER** mode you can set the overall output.

- Press the MENU button.
- Press the ▲ or ▼ button until **DIM MASTER** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons to adjust the desired output of the master and all connected slaves.
- Once the desired level is selected, press the ENTER button to confirm.

COL Manual (only available while working in Master mode)

In **MASTER** mode you can combine the RGBAL+UV colors to make any desired color manually.

- Press the MENU button.
- Press the ▲ or ▼ button until **COL.MANUAL** is shown on the display.

- Press the ENTER button to select.
- Use ▲ and ▼ buttons to manually compose the required color by a combination of appropriate values for the 4 base colors:
 - **RED:** set a value between 000 and 255
 - **GREEN:** set a value between 000 and 255
 - **BLUE:** set a value between 000 and 255
 - **LIME:** set a value between 000 and 255
 - **AMBER:** set a value between 000 and 255
 - **UV:** set a value between 000 and 255
- Once the desired color is composed, press the ENTER button to confirm and save.

COL Preset (only available while working in Master mode)

In MASTER mode you can choose from 6 white CCT presets and 15 color presets.

- Press the MENU button.
- Press the ▲ or ▼ button until **COL.PRESET** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons to select one of the presets:
 - **CCT-presets:** 2500K, 2800K, 3200K, 4000K, 5600K or 6000K
 - **COLOR-presets:** YELLOW, ORANGE, RED, MAGENTA, CYAN, BLUE, GREEN, ...
- Once the desired preset is selected, press the ENTER button to confirm and save.

COL Chases (only available while working in Master mode)

In MASTER mode you can choose different color chases and select if colors jump or fade.

- Press the MENU button.
- Press the ▲ or ▼ button until **COL.CHASES** is shown on the display.
- Press the ENTER button to select.
- **Choose one of the Chases:**
 - Use ▲ and ▼ buttons to select one of the color chases:
 - **RGB** (color chase between Red, Green and Blue)
 - **CMY** (color chase between Cyan, Magenta and Yellow) ...
 - ...
 - ...
 - Once the desired Chase is selected, press the ENTER button to confirm and save.
- **Set the Chase transition and speed:**
 - Use ▲ and ▼ buttons to select one of the transitions:
 - **JUMP / FADE**
 - Press ENTER and choose with ▲/▼ buttons:
 - **JUMP:** instant transitions
 - **FADE:** soft transitions
 - Press ENTER to confirm.
 - Use ▲ and ▼ buttons to select one of the transitions:
 - **SPEED**
 - Press ENTER and choose with ▲/▼ buttons the desired speed between 000 and 255.
 - Press ENTER to confirm.

Note: The color chases have compact names to indicate between which colors will be jumped or faded. The first letter of the involved color is used: **R** = Red, **G** = Green, **M** = Magenta, **C** = Cyan, **L** = Lime, ...
For example: a color chase named **YL** will be a chase between Yellow and Lime.

DISPLAY

Sets the display behavior.

- Press the MENU button.
- Press the ▲ or ▼ button until **DISPLAY** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons to select the desired mode:
 - **ON:** display always stays on.
 - **OFF:** display turns dark after 30 seconds.
 - **LOCK:** display turns dark and buttons are locked after 30 seconds.
To unlock: press these 5 keys in sequence to unlock: ▲▼▲▼ ENTER

ROTATE: select **0°** (normal) or **180°** (upside-down)

- Once the desired display mode is selected, press the ENTER button to confirm.

DIM SPEED

Sets the reaction time / LED behavior while the projector is controlled via DMX.

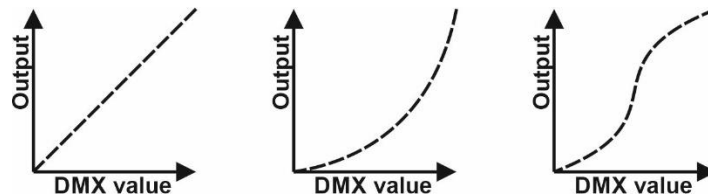
- Press the MENU button.
- Press the ▲ or ▼ button until **DIM SPEED** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons to select the desired LED behavior:
 - **LED:** no delay, lightning-fast response time. Attention: when dimming, small steps are visible.
 - **HALOGEN:** imitates the behavior of a halogen lamp, with smoother dimming performance.
- Once the desired speed is selected, press the ENTER button to confirm.

Note: in the 10CH and 12CH DMX-modes, you can adjust the dim speed with channel 8. The dimmer speed of the other DMX-modes is selected in the setup menu.

DIM CURVES

Sets the desired dimmer curve while the projector is controlled via DMX.

- Press the MENU button.
- Press the ▲ or ▼ button until **DIM CURVES** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons to select the desired dimmer curve:
 - **LINEAR:** provides a uniform increase in light in correlation with increasing DMX value.
 - **SQUARE:** provides finer control at low levels for maximum control, followed by an increasing slope.
 - **S-CURVE:** provides finer control at lower and higher levels while also approaching best the dimming curve of a typical incandescent lamp.



- Once the desired curve is selected, press the ENTER button to confirm.

PWM FREQ

Sets the refresh rate of the LEDs.

- Press the MENU button.
- Press the ▲ or ▼ button until **PWM FREQ** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons to select the desired PWM frequency:
 - 1200 Hz
 - 2400 Hz
 - 4000 Hz (default)
 - 12000 Hz
 - 16000 Hz
 - 20000 Hz
- Once the desired PWM frequency is selected, press the ENTER button to confirm.

Note: Adjusting the LED refresh rate affects the behavior of the dimmer circuitry and color stability while dimming. We recommend selecting 4000 Hz for the best results.

SERVICE

Displays information and provides access to special settings

- Press the MENU button.
- Press the ▲ or ▼ button until **SERVICE** is shown on the display.
- Press the ENTER button to select.
- Use ▲ and ▼ buttons and press ENTER to select the desired option:

- **CALIBRATION:** adjust small color differences between projectors by adjusting the max. output of the separate colors between 100 and 255. (default = 255 for all colors)
- **PROJ HRS:** shows the total time the projector is used.
- **LED TEMP:** shows the actual LED temperature.
- **RDM UID:** shows the unique RDM ID → 2122006Cxxxx (xxxx = unique number for the unit)
- **FIRMWARE:** shows the actual firmware version. (V x.x.x)
- **FACTORY RESET:** sets all parameters to default values. (**Attention:** this option sets all parameters back to factory settings, **use with caution!**)

WIRELESS OPERATION BETWEEN PROJECTORS

Each unit has an on-board wireless DMX transceiver. This means that each unit can be a transmitter or a receiver. Each wireless system consists of 2 parts: a transmitter and one or multiple receivers. Multiple wireless installations can operate independently of each other at the same location. In such cases, it is important to pair the receivers with the right transmitter. Follow the steps below to pair the transmitters and receivers correctly.

SETTING UP IN TRANSMITTER MODE

When you set the projector as MASTER, the wireless transceiver is automatically set as transmitter (Tx-mode, sending with wireless G3-protocol). Make sure the power of the transceiver is switched on.

SETTING UP IN RECEIVER MODE

When you set the projector in SLV/DMX (slave or DMX mode), the wireless transceiver is automatically set as receiver (Rx-mode, compatible with G3, G4 & G4S-protocols). Make sure the power of the transceiver is switched on.

PAIRING TRANSMITTER AND RECEIVER(S)

Before you start: make sure the receiver(s) to be paired are not already paired with another transmitter.

- **UNLINK the receivers** → follow these steps on the (DMX) slaves (automatically set as receivers):
 - Select the option W-DMX (Rx) in the setup menu.
 - Make sure Power is switched ON
 - Select "Delete Link" and press "ENTER" to confirm.→ Any existing link on the receiver has now been deleted: the W-DMX indicator lights up white, and the receiver is ready to be linked!
- **LINK the transmitter to the receivers** → follow these steps on the Master (automatically set as transmitter):
 - Select the option W-DMX (Tx) in the setup menu.
 - Make sure Power is switched ON
 - Select "Create Links"→ The transmitter pairs with all free (unlinked) receivers in range!

Note1: while the pairing process, the W-DMX LED on the display blinks fast. The LED stops blinking when the connection is made and a valid DMX signal is received.

Note2: when linked to the "master", the slave display changes from "Slave (unlinked)" to "Slave (linked)"

WIRELESS OPERATION WITH WDMX G4 TRANSCEIVER

As explained in the previous chapter, each unit has an on-board wireless DMX transceiver that is compatible with the world-famous Wireless Solution® W-DMX G3, G4, G4S protocols. So, you can pair the projectors with any transceiver that supports one of these protocols, both as transmitter or receiver. Examples of such products are:

- WTR-DMX TRANSCEIVER IP Mk2 from Briteq (order code: B05041)
- WTR-DMX DONGLE from Briteq (order code: B04645)
- M-DMX TRANSCEIVER II from JBS (order code: B05026)
- EZ-CON 24W from JBS (order code: B05023)
- W-DMX transceivers from other brands, if they support the Wireless Solution® G3, G4, G4S protocols.

The working method is very similar to that of the “WIRELESS OPERATION BETWEEN PROJECTORS”.

- Set the projector(s) to work in Slave/DMX-mode (see previous chapter)
- Choose the desired DMX-mode and set the DMX-address.
- Make sure that the projector is NOT paired to another transmitter! (unlink if needed)
- Start the pairing procedure on any compatible W-DMX transmitter.

→ On the projector(s) the W-DMX LED starts flashing rapidly in green color. When the connection is established, the green LED stops blinking and a “w” flashes at normal speed on the lower right of the display to indicate that a valid signal is received.

OPERATING INSTRUCTIONS

- Once connected to the mains, the projector starts running.
- Always unplug the unit when it is not used for a longer time or before starting service.
- In the event of serious operating problems, stop using the fixture and contact your dealer immediately.

Important: Never look directly into the light source! Don't use the effect in the presence of people suffering from epilepsy.

A. Standalone 1 unit:

- In the setup menu: select Master/Slave and choose Master.
- In the setup menu: select one of the available working modes:
 - COL.MANUAL: make your own color
 - COL.PRESET: choose a CCT or color preset
 - COL. CHASE: choose a color transition and select fade/jump + speed.

Note: Refer to chapter *SETUP MENU* for more information.

B. Two or more units in wireless master/slave setup:

- On **all slave(s)**: select Master/Slave and choose Slave/DMX.
 - Select the option W-DMX(Rx) and choose: Power = on
 - Select “delete Link” and press “ENTER” to confirm.
→ Any existing link on the receiver is now deleted: The W-DMX LED turns white to indicate that the receiver is ready to be linked!
- Choose **1 projector to be the master** and select one of the available working modes: see point A
 - Select “Create Links”
→ The transmitter pairs with all free (unlinked) receivers in range!

Note: Refer to chapter *SETUP MENU* for more information.

C. Controlled by universal DMX-controller:

- Connect all units together. Refer to the chapter “Electrical installation for two or more units in DMX-mode” to learn how to do this (don't forget to address all units properly!)
- Turn on the DMX controller.

Note: since each unit has its own DMX-address, you can control them individually. Refer to the different DMX channel modes to find the most appropriate.

DMX CHARTS

There are several DMX-modes for maximum compatibility under different conditions:

HSV (3CH)	VALUES	FUNCTION
1	000-255	HUE
2	000-255	SATURATION
3	000-255	VALUE

ADDITIONAL DMX-MODES

2CH	7CH	10CH	12CH	VALUES	FUNCTION
	1	1	1	000-255	RED (0-100%)
	2	2	2	000-255	GREEN (0-100%)
	3	3	3	000-255	BLUE (0-100%)
	4	4	4	000-255	LIME (0-100%)
	5	5	5	000-255	AMBER (0-100%)
	6	6	6	000-255	UV (0-100%)
1		7	7	000-045	CH1 → CH4 active
				046-055	2500K
				056-065	2800K
				066-075	3200K
				076-085	4000K
				086-095	5600K
				096-105	6000K
				106-115	YELLOW
				116-125	ORANGE
				126-135	RED
				136-145	MAGENTA
				146-155	CYAN
				156-165	BLUE
				166-175	GREEN
				176-185	GREEN 2
				186-195	BRIGHT GREEN
				196-205	ORANGE 2
206-215	YELLOW 2				
216-225	DARK PINK				
226-235	BABY PINK				
236-245	AQUA				
246-255	UV				
			8	000-145	NO CHASES ACTIVE
				146-155	RGB
				156-165	RGBA
				166-175	RGBAL
				176-185	RG
				186-195	RB
				196-205	RL
				206-215	RA
				216-225	GB
				226-235	GL
				236-245	GA
246-255	BA				
			9	000-127	SPEED FADING CHASE
				128-255	SPEED JUMPING CHASE
2	7	8	10	000-255	DIMMER (0-100%)
		9	11	000-005	NO STROBE (OPEN)
				006-126	RANDOM STROBE (slow →fast)
				127-134	NO STROBE (CLOSED)
				135-255	NORMAL STROBE (slow →fast)

				FUNCTION CHANNEL
				000-020 NO FUNCTION
				021-030 LED
				031-040 HALOGEN
		10	12	041-060 NO FUNCTION
				061-070 LINEAR CURVE DIMMER
				071-080 SQUARE CURVE DIMMER
				081-090 S-CURVE DIMMER
				091-255 NO FUNCTION

RDM FUNCTIONS / REMOTE SETUP

RDM means “Remote Device Management” (control the unit from a distance). This projector works with a brief set of RDM-functions which means that it can setup a bi-directional communication with an RDM-compatible DMX-controller. Some of these functions are briefly explained below, others will be added in the future.

- The DMX-controller sends out a “discovery command”, all RDM devices respond and send their unique device ID.
- The DMX-controller asks each RDM device for some basic data so it knows which devices are connected. The projector will respond:
 - **Device name:** BTI-FLATPAR12
 - **Manufacturer:** Briteq®
 - **Category:** LED Dimmer
 - **Firmware:** x.x.x.x (firmware version of the projector)
 - **DMX address:** xxx (current DMX start address of the projector)
 - **DMX footprint:** xx (number of DMX-channels used by the projector)
 - **Personality:** xx (current personality or DMX-working mode used by the projectors)
- The DMX-controller can send certain commands to each RDM device which allow remote setup of the units. Thanks to this the projectors can be setup remotely.

The following functions can be managed remotely:

No longer need to take a ladder and set all units one by one!

- **DMX START ADDRESS:** The start address can be set remotely from 001 to xxx.
- **PERSONALITY:** The DMX working mode (DMX-chart) can be set remotely.

These 2 functions make it possible to prepare a complete DMX-patch of all projectors on the DMX-controller and send these data to all projectors at once. More functions will be added later.

MAINTENANCE

- Make sure the area below the installation place is free from unwanted persons during servicing.
- Switch off the unit, unplug the mains cable and wait until the unit has cooled down.

During inspection the following points should be checked:

- All screws used for installing the device and any of its parts should be tightly fastened and may not be corroded.
- Housing, fixations and installations spots (ceiling, truss, suspensions) should be totally free from any deformation.
- When an optical lens is visibly damaged due to cracks or deep scratches, it must be replaced.
- The mains cables must be in impeccable condition and should be replaced immediately when even a small problem is detected.
- To keep the device from overheating, the cooling fans (if any) and ventilation openings should be cleaned monthly.
- The interior of the device should be cleaned annually using a vacuum cleaner or air-jet.
- The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surroundings can cause greater accumulation of dirt on the unit’s optics.
 - Clean with a soft cloth using conventional glass cleaning products.
 - Always dry the parts carefully.

Attention: We strongly recommend internal cleaning to be carried out by qualified personnel!

TESTING WATERPROOFNESS

Whenever a waterproof outdoor fixture is opened for internal cleaning, repair, or replacement of gobos, it is important to ensure that the fixture is still waterproof after closing.

After closing the fixture:

- Visually check the rubber seals for any damage and/or interruptions.
- Make sure seals are well placed in the designated recesses.
- All bolts must be tightened evenly across the entire surface.
- Bolts must be tightened firmly but not excessively to avoid damaging the rubber seals.

For absolute certainty, it is strongly recommended to perform an additional air leak pressure test using our BTI-IPTTEST (order code: B09904):

- To do this, carefully follow the instructions in the BTI-IPTTEST manual.
- This fixture is IP65 rated and should be tested following the IPX5 setting of 3-5kPa.

Remark: to correctly test the fixture, you should be 100% sure that no more than 1 air valve was installed: check this before testing! If the product has more than 1 air valve, the other air valve(s) must be replaced by a "dummy" valve before starting the test. After the test, the dummy valve(s) must be replaced again.

SPECIFICATIONS

ENGLISH

BRITEQ® hereby declares that the equipment described in this manual complies with RED Directive 2014/53/EU. The full text of the EU Declaration of Conformity, as well as the latest version of the manual and technical specifications, are available at the following internet address (under Manual and downloads):

<https://briteq-lighting.com/bti-flatpar12>

NEDERLANDS

Hierbij verklaart BRITEQ® dat de apparatuur beschreven in deze handleiding voldoet aan de richtlijn RED 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring, alsook de laatste versie van de handleiding en technische specificaties zijn beschikbaar op het volgende internetadres (onder Handleiding en downloads):

<https://briteq-lighting.com/nl/bti-flatpar12>

FRANCAIS

BRITEQ® déclare par la présente que l'équipement décrit dans ce manuel est conforme à la directive RED 2014/53/UE. Le texte complet de la déclaration de conformité UE, ainsi que la dernière version du manuel et les spécifications techniques sont disponibles à l'adresse Internet suivante (sous Manuel et téléchargements) :

<https://briteq-lighting.com/fr/bti-flatpar12>

DEUTSCH

Hiermit erklärt BRITEQ®, dass die in dieser Anleitung beschriebene Ausrüstung der RED-Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung sowie die neuesten Versionen der Anleitung und der technischen Spezifikationen sind unter folgender Internetadresse verfügbar (unter Anleitung und Downloads): <https://briteq-lighting.com/de/bti-flatpar12>

ESPAÑOL

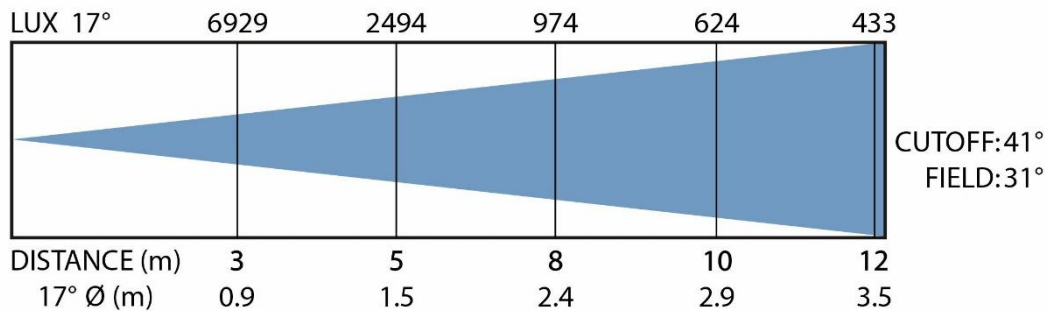
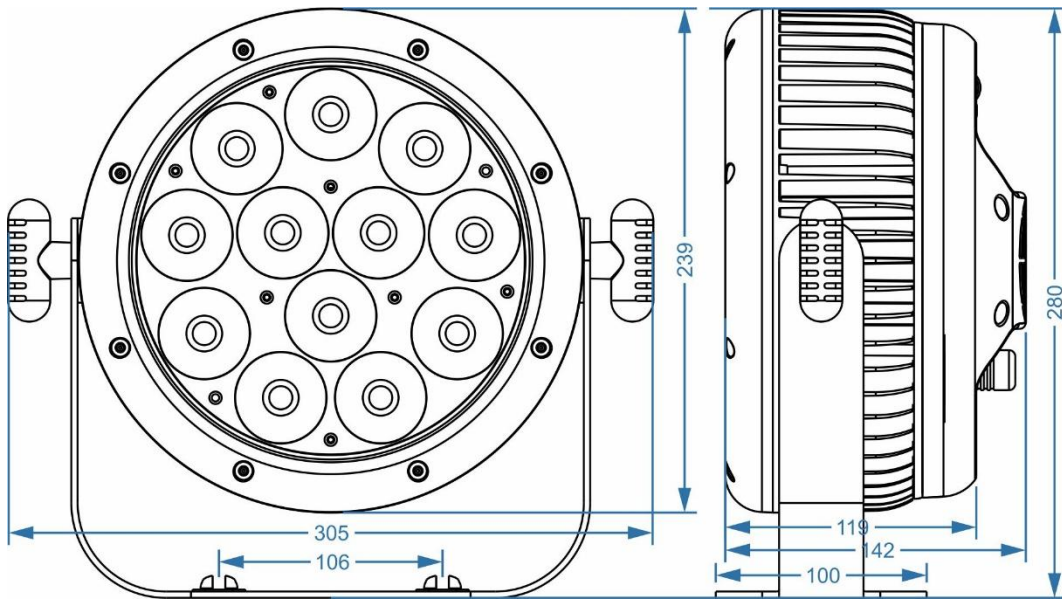
BRITEQ® declara por la presente que el equipo descrito en este manual cumple con la Directiva RED 2014/53/UE. El texto completo de la Declaración de conformidad de la UE, así como la última versión del manual y las especificaciones técnicas, están disponibles en la siguiente dirección de Internet (en Manual y descargas): <https://briteq-lighting.com/bti-flatpar12>

ITALIANO

BRITEQ® dichiara con la presente che l'apparecchiatura descritta nel presente manuale è conforme alla Direttiva RED 2014/53/UE. Il testo completo della Dichiarazione di conformità UE, nonché l'ultima versione del manuale e delle specifiche tecniche, sono disponibili al seguente indirizzo Internet (alla voce "Manuale e download"): <https://briteq-lighting.com/bti-flatpar12>

TECHNICAL SPECS :

Mains Input:	100-240V, 50/60Hz
Power consumption:	200 Watt(max)
IP-Rating:	IP65
Carrier Frequency Range:	2402 - 2480 MHz
RF transmission power:	9,50 dBm – 8,91 mW
DMX connections:	XLR 5pin Male-Female (can be converted to XLR 3pin)
LEDs:	12 LEDs 20W 6IN1 RGBAL+UV
Beam angle:	17°
IP Rating:	IP65
Size:	280 x 305 x 142mm (see drawing for more information)
Weight:	5,3 kg (incl. mains cable)



The information might be modified without prior notice
 You can download the latest version of this user manual on our website:
www.briteq-lighting.com



FR : *Merci d'avoir choisi ce produit BriteQ®. Vous pouvez télécharger la version française de ce mode d'emploi de notre site Web.*

NL: *Hartelijk dank voor de aankoop van dit BriteQ® product. U kan de Nederlandstalige versie van deze handleiding downloaden.*

DE: *Vielen Dank, dass Sie sich für den Erwerb dieses BriteQ®-Produkt entschieden haben. Sie können sich die Deutsche Version dieses Benutzerhandbuches von unserer Website herunterladen.*

ES: *Gracias por comprar este producto BriteQ®. Puede descargar la versión en Español de este manual de usuario en nuestra página Web.*

IT: *Grazie mille per aver acquistato questo prodotto BriteQ®. È possibile scaricare la versione in italiano di questo manuale dal nostro sito web.*

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