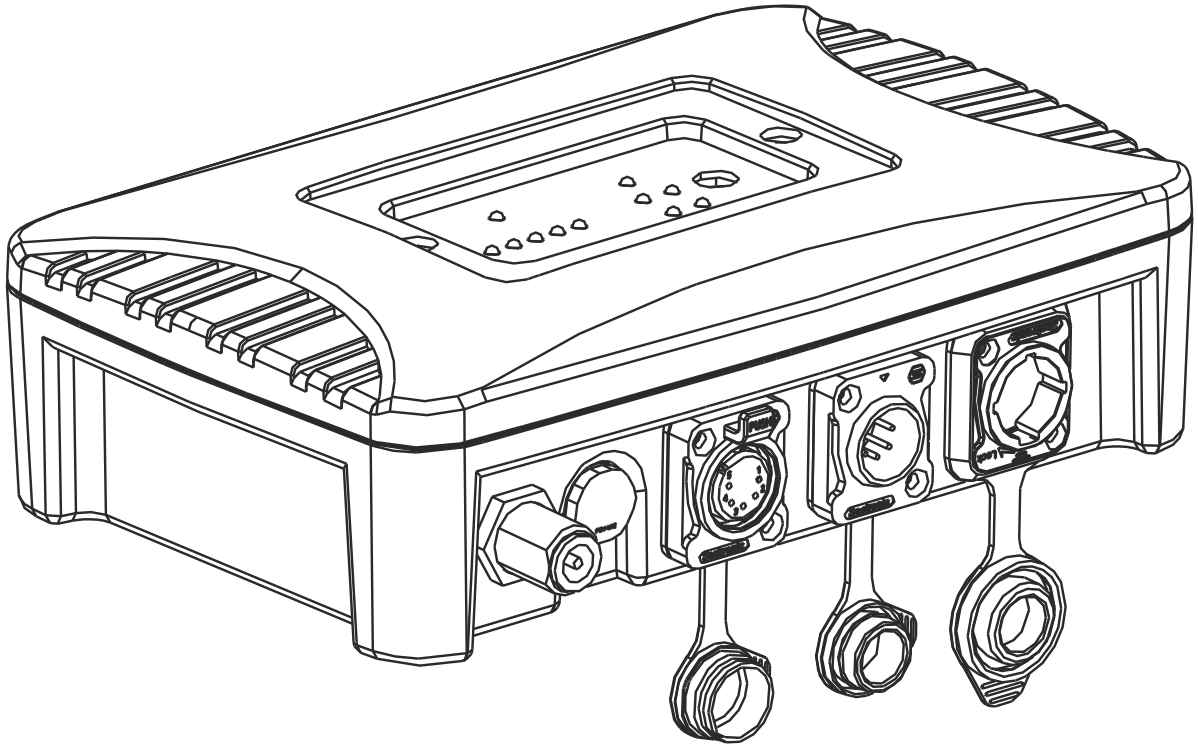
WTR-DMX TRANSCEIVER IP



ENGLISH

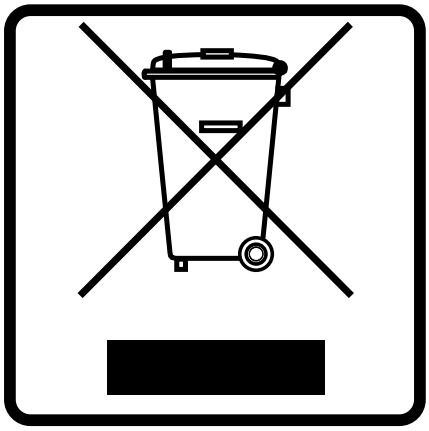
Operation Manual

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

CE

Version: 1.0

BRITEQ®
LIGHT RESEARCH



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.

PT - COMO DESFAZER-SE DA UNIDADE
Tente reciclar a unidade e as pilhas usadas respeitando o ambiente e em conformidade com as normas vigentes no seu país.

OPERATION MANUAL

Thank you for buying this BRITEQ® product. To take full advantage of all possibilities, please read these operating instructions very carefully.

FEATURES

This unit is radio-interference suppressed. This product meets the requirements of the current European and national guidelines. Conformity has been established and the relevant statements and documents have been deposited by the manufacturer.

- The perfect solution when wireless DMX with maximum reliability is needed!
- One-button setup for ease of use.
- 5dB antenna for better signal reception/transmitting!
- Up to 150m of working distance!
- 2.4GHz band for worldwide license free use!
- Die-cast aluminum weatherproof housing for outdoor use.
- Robust construction: perfect for rental companies.
- RDM compatible.
- 3pin XLR in/out.
- FHSS (1800 hops/s) for stable connection.
- DMA transfer : virtually NO delay in DMX!
- R&TTE / RED certified !

BEFORE USE

Check the contents:

Check that the carton contains the following items:

- [WTR-DMX TRANSCEIVER IP]
- Antenna
- Hanging bracket
- Powercable
- User manual

Some important instructions:

- 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.
- To protect the environment, please try to recycle the packing material as much as possible.

SAFETY INSTRUCTIONS:

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 use or 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.

This symbol means: indoor use only

This symbol means: Read instructions

- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- To avoid condensation to be formed 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 damages.
- This unit is for indoor use only.
- Don’t place metal objects or spill liquid inside the unit. No objects filled with liquids, such as vases, shall be placed on this appliance. Electric shock or malfunction may result. If a foreign object enters the unit, immediately disconnect the mains power.
- No naked flame sources, such as lighted candles, should be placed on the appliance.
- 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 safe ambient temperature is 40°C. Don’t use this unit at higher ambient temperatures.
- Always unplug the unit when it is not used for a longer time or before you start servicing.
- The electrical installation should be carried out by qualified personal 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 rear panel of the unit.
- The socket inlet shall remain operable for disconnection from the mains.
- The power cord should always be in perfect condition: switch off the unit immediately 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 appliance must be earthed in order to comply with safety regulations.
- In order to prevent electric shock, do not open the cover. Apart from the mains fuse 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 appliance and contact your dealer immediately.
- Please use the original packing when the device is to be transported.
- Due to safety reasons it is prohibited to make unauthorized modifications to the unit.

MAINTENANCE

- Switch off the unit and unplug the mains cable.

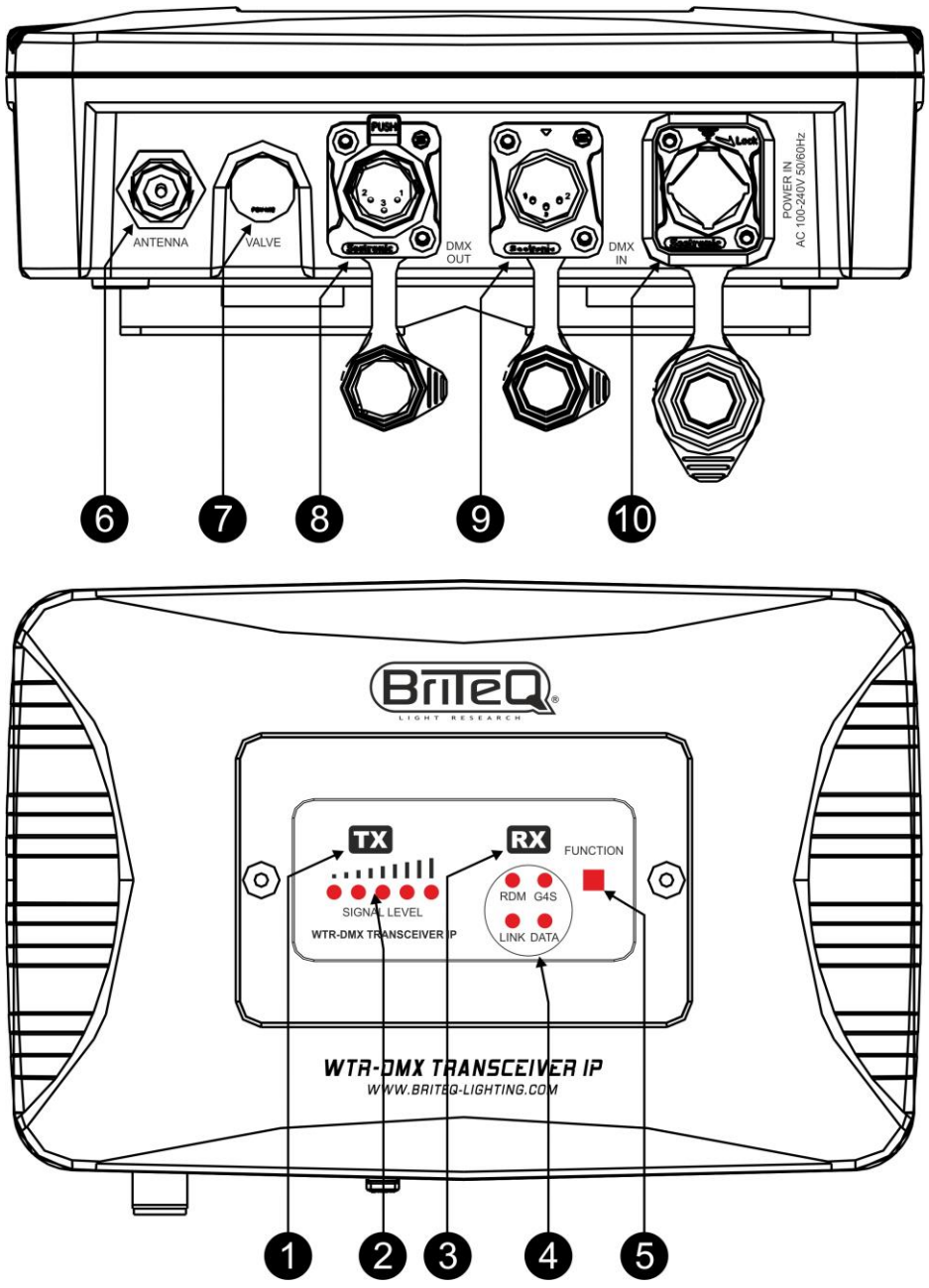
During inspection the following points should be checked:

- 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.
- In order to protect the device from overheat the cooling fans (if any) and ventilation openings should be cleaned monthly.
- **BATTERY maintenance:** We strongly advice to follow the maintenance requirements imposed by the battery reseller. On top of that you should at least every 6 months:

- Do a visual check of the battery: cleanness, terminal damage, any damage of the housing, …
- Check if the poles of the battery are still well tightened to the wires.

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

FUNCTIONS



1. **[TX] INDICATOR LED:** transmitter mode when lit.
2. **[SIGNAL LEVEL] INDICATORS:** shows the strength of the wireless signal.
3. **[RX] INDICATOR LED:** receiver mode when lit.
4. **FUNCTION INDICATOR LEDs:**
    a. **[RDM]:** lit when RDM signal is present.
    b. **[G4S]:** transceiver in G4S protocol mode when lit, in G3 mode when off.
    c. **[LINK]:** transceiver is paired when lit, unpaired when off.
    d. **[DATA]:** lit when data is received or transmitted.
5. **[FUNCTION] button:** to setup the desired mode (TX or RX) and linking (pairing).
6. **ANTENNA**
7. **VALVE**
8. **DMX OUTPUT:** 3p XLR female connector

9. **DMX INPUT:** 3p XLR male connector
10. **POWER INPUT:** Seetronic IP-POWER connector

SETUP FOR WIRELESS OPERATION

Each unit is a wireless DMX transceiver. This means that every unit can be transmitter or receiver.
To set up the system, you first need to assign each receiver to the universe (transmitter) it should work with.

SETTING UP THE [WTR-DMX TRANSCEIVER IP] in TRANSMITTER MODE :

- First of all, power up the [WTR-DMX TRANSCEIVER IP] to check whether it is already in transmitter mode or not. When the [TX] INDICATOR LED (1) is lit, the [WTR-DMX TRANSCEIVER IP] is in transmitter mode. If the [RX] INDICATOR LED is lit, perform the next 2 steps.
- Turn off the power from the [WTR-DMX TRANSCEIVER IP] by disconnecting the power input connector (10) from the mains.
- Press the [FUNCTION] button (5) while powering up the [WTR-DMX TRANSCEIVER IP]. The [TX] INDICATOR LED (1) will lit.
- The unit is now in transmitter mode.

SETTING UP THE [WTR-DMX TRANSCEIVER IP] in RECEIVER MODE :

- First of all, power up the [WTR-DMX TRANSCEIVER IP] to check whether it is already in receiver mode or not. When the [RX] INDICATOR LED (3) is lit, the [WTR-DMX TRANSCEIVER IP] is in receiver mode. If the [TX] INDICATOR LED (1) is lit, perform the next 2 steps.
- Turn off the power from the [WTR-DMX TRANSCEIVER IP] by disconnecting the power input connector (10) from the mains.
- Press the [FUNCTION] button (5) while powering up the [WTR-DMX TRANSCEIVER IP]. The [RX] INDICATOR LED (3) will lit.
- The unit is now in receiver mode.

CONNECTING ONE OR SEVERAL RECEIVERS TO A TRANSMITTER

To connect your receiver(s) to a specific transmitter:

a) Make sure that the receiver(s) to be connected, is (are) not linked to another transmitter: the [LINK] led (4) on this (these) receiver(s) is OFF (not lit).
b) Press the [FUNCTION] button (5) of the transmitter shortly; the [LINK] led (4) on both the transmitter and receiver(s) starts blinking.
c) Wait until blinking stops: the receiver(s) is (are) now linked to the transmitter.

DISCONNECTING RECEIVERS FROM A DMX UNIVERSE

To disconnect all the receivers from a DMX universe / transmitter:

- Press the [FUNCTION] button (5) of the transmitter for about 3 seconds until the [LINK] LED (4) starts blinking, the [LINK] LED(s) on the receiver(s) turn (turns) OFF (disconnected).
- You can re-connect the receiver(s) again simply by pressing the [FUNCTION] button (5) on the transmitter for about 3 seconds. The [LINK] led (4) on the receiver(s) turns ON again.

To disconnect an individual receiver from a DMX universe / transmitter:

- Press the [FUNCTION] button (5) of the receiver for about 3 seconds until the [LINK] LED (4) turns OFF.
- This receiver is now disconnected from the transmitter (DMX universe).

CHANGING THE WIRELESS PROTOCOL

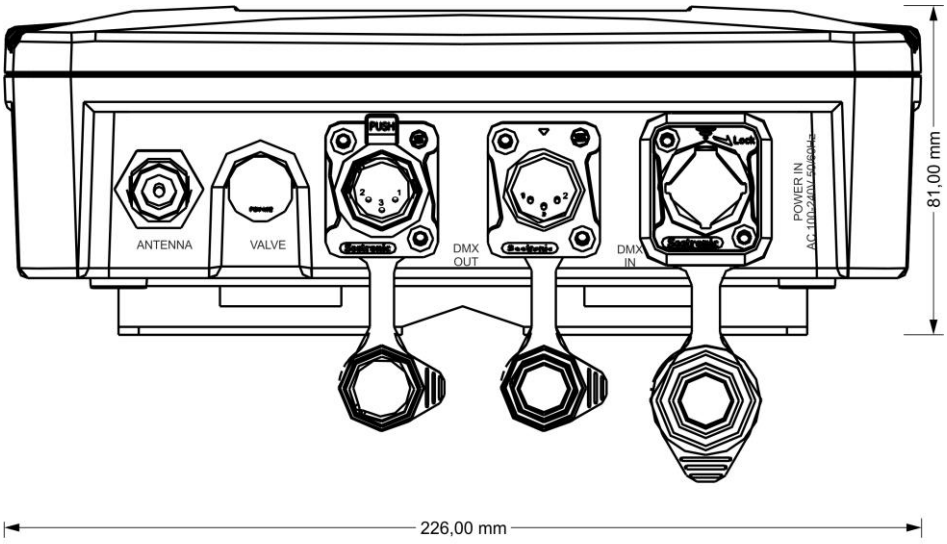
To change the protocol from G3 to G4S mode:

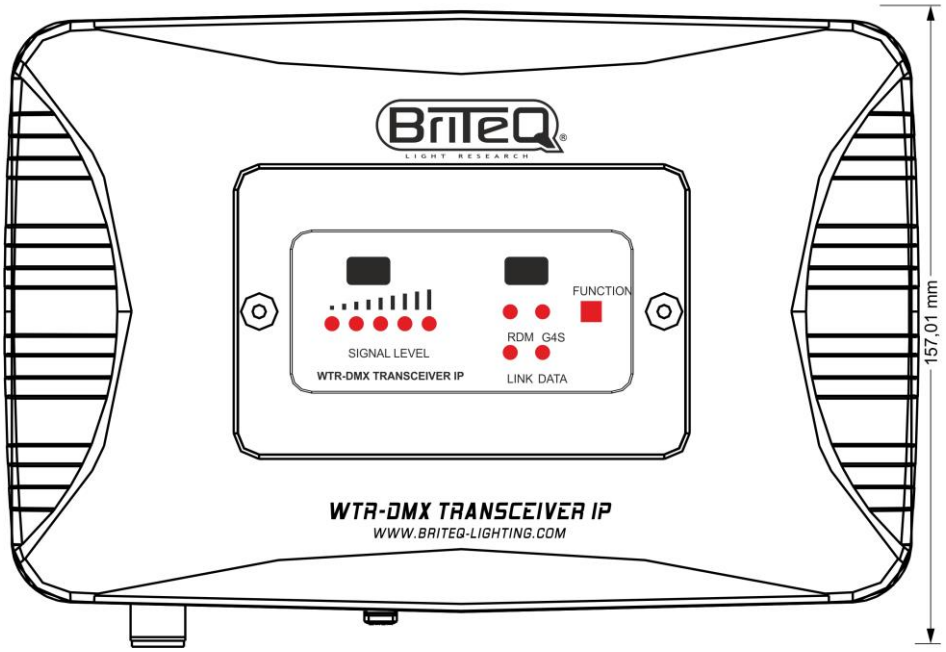
- Press the [FUNCTION] button (5) of the transmitter for about 10 seconds.
  [TX], [RX], [LINK] and [DATA] leds will start blinking.
  Press the [FUNCTION] button shortly until the [G4S] LED (4) turns on.
  Press the [FUNCTION] button again for about 3 seconds to confirm the [G4S] mode.
- Press the [FUNCTION] button (5) of the transmitter for about 10 seconds to change to [G3] mode again.
  [TX], [RX], [LINK] and [DATA] leds will start blinking.
  Press the [FUNCTION] button shortly until the [G4S] LED (4) turns off.
  Press the [FUNCTION] button again for about 3 seconds to confirm the [G3] mode.
  The protocol mode on the receiver changes automatically to the corresponding mode of the transmitter it will be paired with.

SPECIFICATIONS

Power Input: AC 100V-240V, 50Hz
Power connector: Seetronic IP-POWER connector
DMX connectors:
- **DMX input:** 3pin XLR
- **DMX output:** 3pin XLR

Size: 226 x 157 x 81mm
Weight: 2kg





Every information is subject to change without prior notice
You can download the latest version of this user manual on our website: www.briteq-lighting.com

LIGHT RESEARCH

MAILING LIST

EN: Subscribe today to our mailing list for the latest product news!
FR: Inscrivez-vous à notre liste de distribution si vous souhaitez suivre l'actualité de nos produits!
NL: Abonneer je vandaag nog op onze mailinglijst en ontvang ons laatste product nieuws!
DE: Abonnieren Sie unseren Newsletter und erhalten Sie aktuelle Produktinformationen!
ES: Suscríbete hoy a nuestra lista de correo para recibir las últimas noticias!
PT: Inscreva-se hoje na nossa mailing list para estar a par das últimas notícias!

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