SCORPION TRANSCEIVER

BATTERY LEVEL
LINK STATUS/UNIVERSE
SIGNAL STRENGTH
BAT
LINK
SIGNAL
ANTENNA
DMX ACTIVITY
RDM ACTIVITY
DMX
RDM
TRANSMIT/RECEIVE CABLE CONNECTION

INTRODUCTION:

The **SCORPION TRANSCEIVER** by **BULLDOG POWER & LIGHT** is a bidirectional wireless transceiver of DMX512/RDM data.

It has the capability to automatically detect it's TRANSMIT/RECEIVE direction based on the presence of DMX data to the device.

RDM functionality is available with firmware versions **1.07** and up.

SPECIFICATIONS:

INPUT VOLTAGE: 5VDC
INPUT CURRENT: 500mA-1100mA

POWER (LINK)
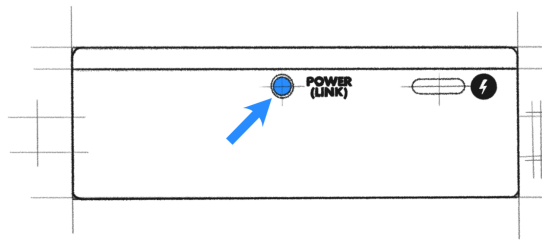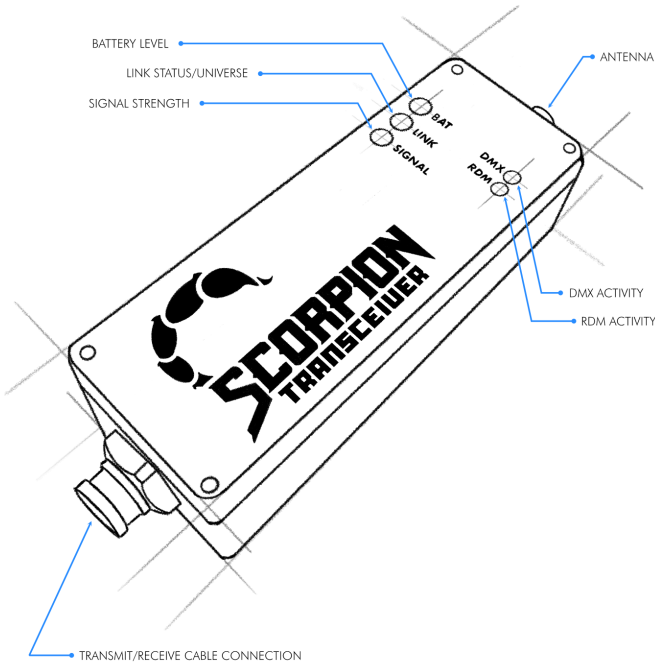
POWER (LINK) BUTTON:

- Press and hold the **POWER BUTTON** for approx. **3 SECONDS** to power device **ON/OFF**

- When in TRANSMIT MODE, press and release the **POWER BUTTON** quickly to **LINK** devices

- When in TRANSMIT or RECEIVE MODE, press and release the **POWER BUTTON** quickly **2 TIMES** to **UNLINK** from a paired device

- To perform a **FULL SYSTEM RESET**, press and hold **POWER BUTTON** for **10 SECONDS**

- To manually **CHANGE MODES** (Transmit/Receive), press and release **POWER BUTTON** **5 TIMES**

- To enable **BLUETOOTH** Press **POWER BUTTON** **7 TIMES.** LEDs will flash **GREEN**. (V1.06 or later)

BATTERY INDICATOR:

The **BATTERY (BAT)** LED displays different colors based on the current charge of the battery.

80 -100%	**GREEN**
50 - 80%	**CYAN**
20 - 50%	**YELLOW**
10 - 20%	**RED**
0 - 10%	**FLASHING RED**

- When CHARGING, the **BATTERY (BAT)** LED will slowly **FLASH** with color corresponding to charge level above.

- When FULLY CHARGED the **BATTERY (BAT)** LED will turn **SOLID GREEN**

- When discharged to a CRITICAL LEVEL the **BATTERY (BAT)** LED will quickly **FLASH RED** for **3 seconds**, then the device will power off. Charge the device to continue normal usage.

LINK INDICATOR:

- The **LINK** LED has several states based on the status of the wireless module:

RECEIVER MODE

FLASHING (500ms): Not linked to any TRANSMITTER

FLASHING (100ms): Linked to a TRANSMITTER, but no active radio talk

FLASHING (900ms): Active radio talk, no DMX present

CONSTANT ON: Active radio talk, DMX data present

TRANSMIT MODE

FLASHING (900ms): Active radio link, no DMX present

CONSTANT ON: Active radio link, DMX present

FLASHING (100ms): LINKING receivers

FLASHING (200ms): UNLINKING receivers

- The **LINK** LED can also display user customizable UNIVERSE color of a paired transmitter via **CRMX TOOLBOX** app (if supported)

SIGNAL INDICATOR:

In RECEIVER MODE, the **SIGNAL** LED has different colors based on the strength of the wireless signal from the transmitter:

60 -100%	**GREEN**
40 - 60%	**CYAN**
20 - 40%	**YELLOW**
10 - 20%	**RED**
0 - 10%	**FLASHING RED**

In TRANSMIT MODE, the **SIGNAL** LED flashes **GREEN** every SECOND

ACTIVITY INDICATORS:

- The **DMX** LED indicates DMX data is present when illuminated

- The **RDM** LED indicates RDM data is **present** when illuminated

  - **RDM** (V1.07 and up) in **receive mode** is always active when connected to a compatible transmitter

  - **RDM** in **transmit mode** is enabled via a DMX personality from the RDM controller.