

WIRELESS SOLUTION
MADE IN SWEDEN



G4
W-DMX™ GENERATION IV

Quick-Start Guide (G4)

Product Line: W-DMX
Product: All Models
Revision: -
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ADDING RECEIVERS TO A UNIVERSE

TO CONNECT RECEIVERS FROM THE TRANSMITTER (F-1 AND F-2 IN TRANSMIT MODE)

Note: You can add receivers at any time, even during operation.

1. Power on the receiver unit(s) and ensure that they are not linked with any other transmitter (LINK indicators should be OFF). If the units are linked, follow the instructions in the next section to unlink receivers.
2. On the transmitter unit, press and release the FUNCTION button quickly. The transmitter will scan for all unlinked receivers for a period of ten seconds - the LINK indicator will flash rapidly.

If successful, each receiver's LINK indicator will go ON. If any failed (i.e. the link indicator fails to go solid after 10 seconds on the receiver), check that the receiver is in range and repeat procedure.

DISCONNECTING RECEIVERS FROM A UNIVERSE

TO UNLINK ALL RECEIVERS FROM THE TRANSMITTER (F-1 AND F-2 IN TRANSMIT MODE)

1. On the transmitter unit, press and hold the FUNCTION button for 3 seconds. All display LEDs will go out, except for POWER and TX, and the LINK LED will be blinking slowly. Release the function button at this point, and all connected receivers will be unlinked.

TO UNLINK AN INDIVIDUAL RECEIVER (F-1 AND F-2 IN RECEIVE MODE, R-512)

1. On the receiver, press and hold the FUNCTION button until the LINK indicator goes OFF. The receiver is now unlinked.

SWITCHING BETWEEN TX AND RX ON FLEX UNITS

The W-DMX F-1 and F-2 units (flex units) can switch between transmit and receive modes. This allows the unit to be used as a transmitter or a receiver.

1. Remove power from the unit by disconnecting the power cable.
2. Push and hold the red function button on the front of the unit.
3. Reconnect power.
4. Release the red function button on the front of the unit.
5. Apply the power to the unit again.
6. The unit should now have changed mode (observed by the LED on the front of the unit).

G3/G4 MODE, AND DUAL-BAND OPERATION

W-DMX G4 Flex units can change protocol between Generation 3 (older units for compatibility mode), and the new Generation 4 protocol (supporting invisewire, datasafe, AFHSS, Dual-Band and RDM) when in transmit mode. They can also change between 5.8GHz and 2.4GHz operation with the push of a button. G4 receivers automatically detect the mode the transmitter is in, so you only need to change the mode of the transmitter to change the mode of the entire system. When the protocol mode or frequency band has been changed, receivers need to be re-connected to their respective transmitters.

To change mode, follow the following steps:

1. Hold down the red function button for over 10 seconds. Initially, you will see the LINK light blink slowly. Do **not** release the push-button at this point, as this will disconnect all receivers. Wait until you see the front panel LEDs all light up, then the red CTL light illuminate, before releasing the red function button.
2. Push and release the red function button quickly to change between modes. Note here that the unit will toggle between all the different modes.
3. Once the desired mode is set, power cycle the unit to begin use in that mode of operation.

The following modes can be set:

1. G4 2.4GHz (G4 Light is static on).
2. G4 Dual-band 5.8GHz (G4 Light is blinking).
3. G3 2.4GHz (G4 Light is off).

Units ship standard as G3, 2.4GHz for backward compatibility reasons.

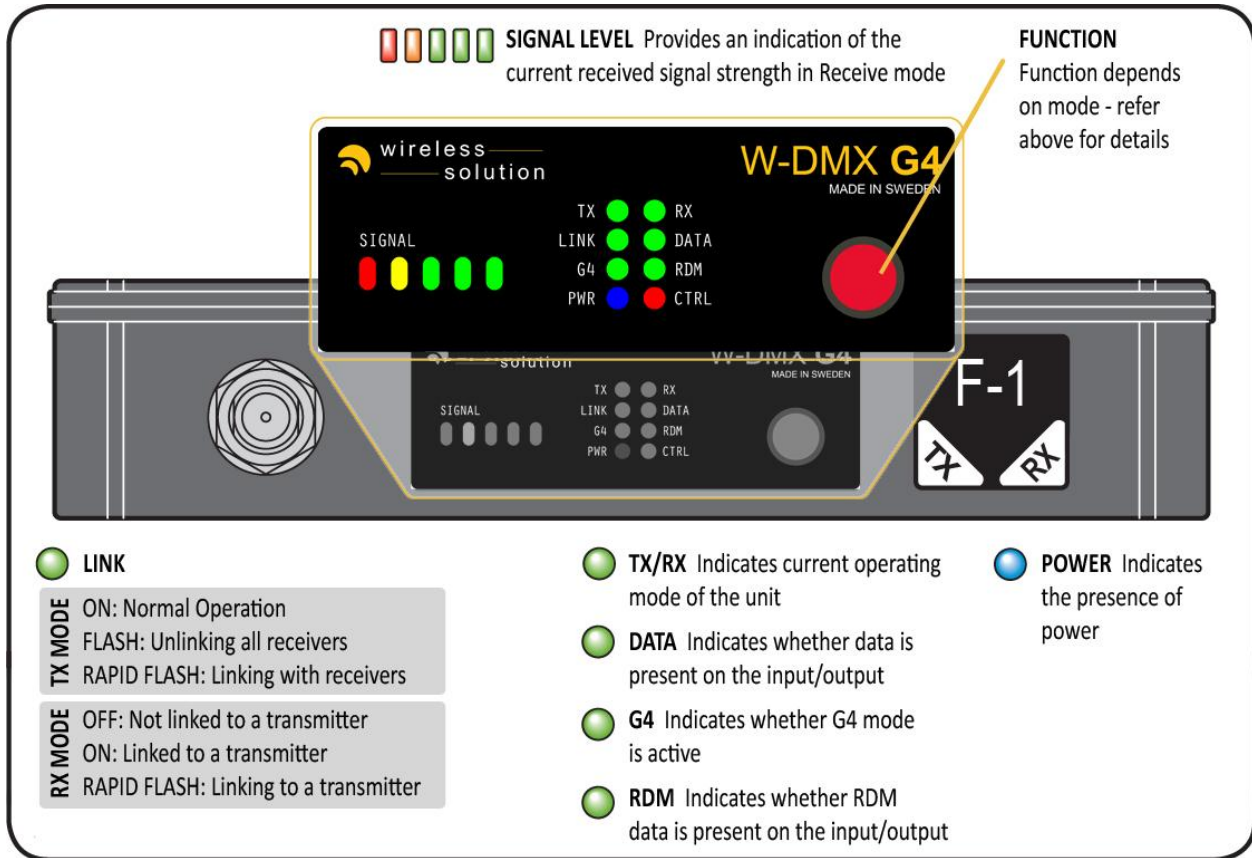
BATTERY OPTION (MICROBOX UNITS ONLY)

The W-DMX G4 MicroBox units are equipped with a holder for 6 AAA batteries. When batteries are in place on the unit, and 12VDC power is disconnected, the units will run on battery power. The signal indicator will then cycle between BATT and SIGNAL every 10 seconds. When the BATT light is lit, the signal bars are indicating battery charge, and when the SIGNAL light is lit, the signal bars indicate signal strength.

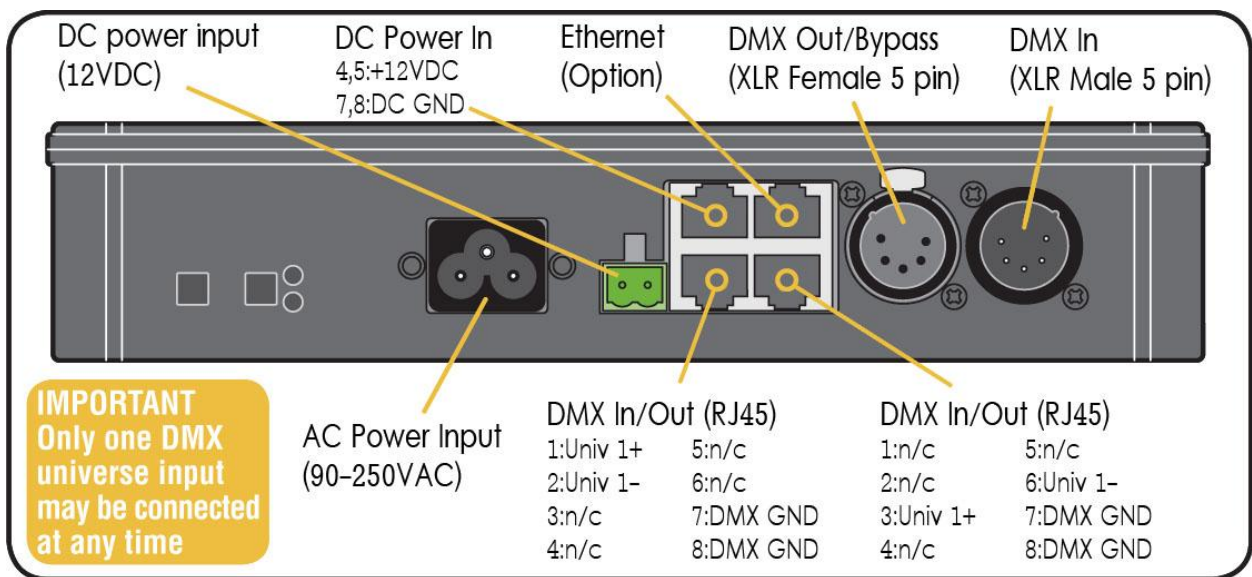
Note that, when running on battery power, there is an on-off switch located on the side of the unit. If this switch is moved to off position, the unit will turn off when on battery power.

On average, a W-DMX receiver can receive for approximately 8 hours on batteries, and transmit for 2 hours. This is dependent on the brand of batteries used. We recommend testing the discharge time on your selected batteries before using them in a show environment. The W-DMX G4 micro units are compatible with rechargeable batteries (down to 1.2V DC per cell).

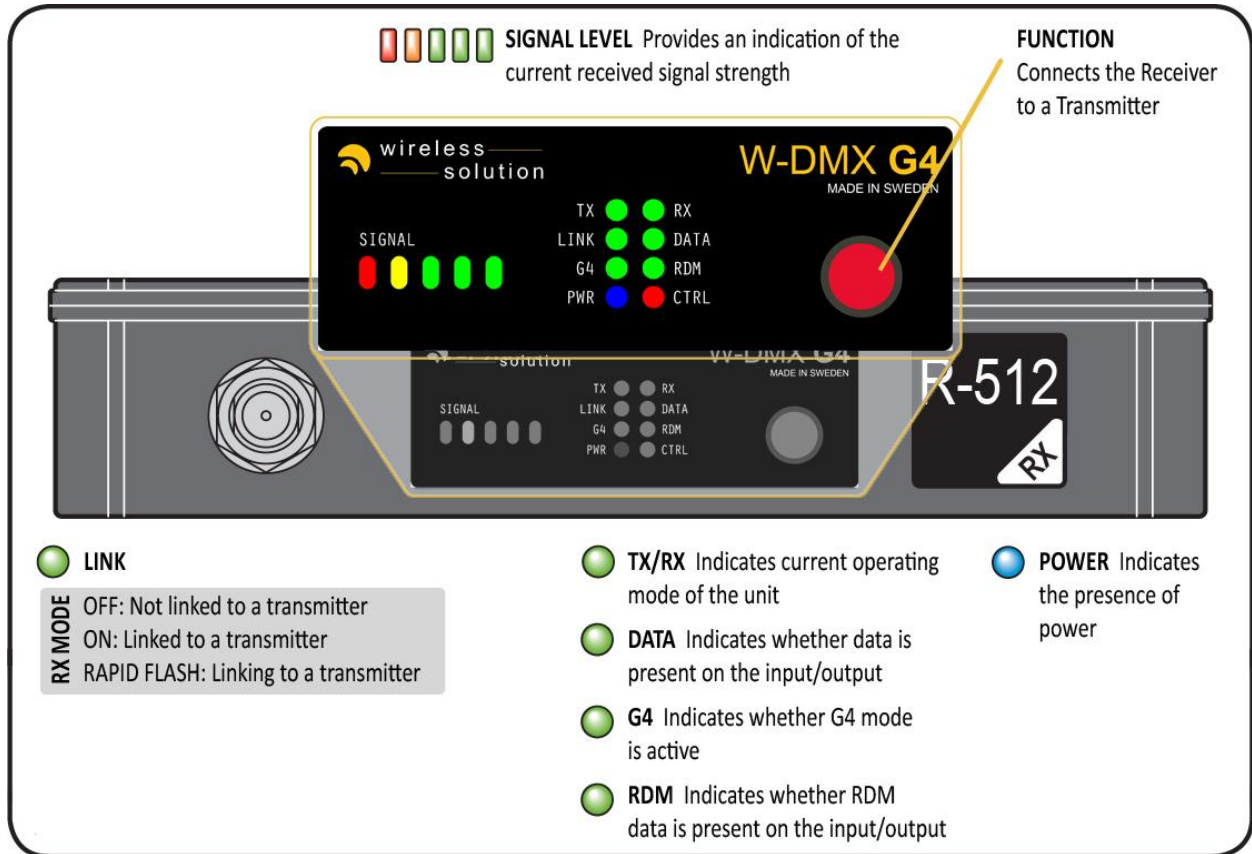
W-DMX BLACKBox/WHITEBox F-1 DISPLAY



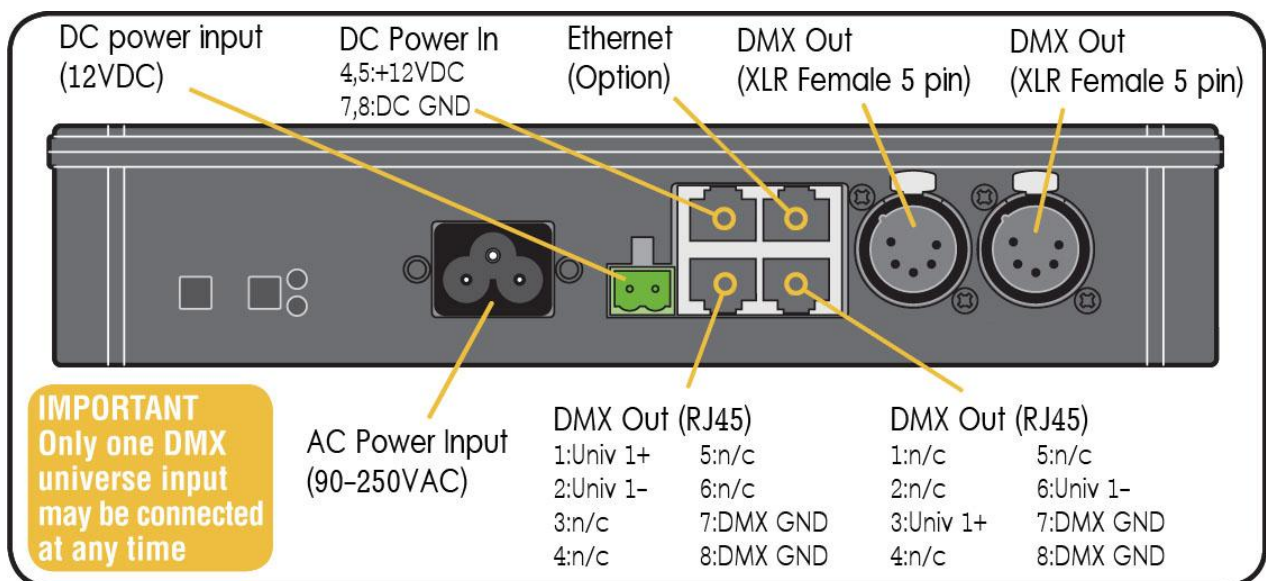
W-DMX BLACKBox F-1 CONNECTIONS



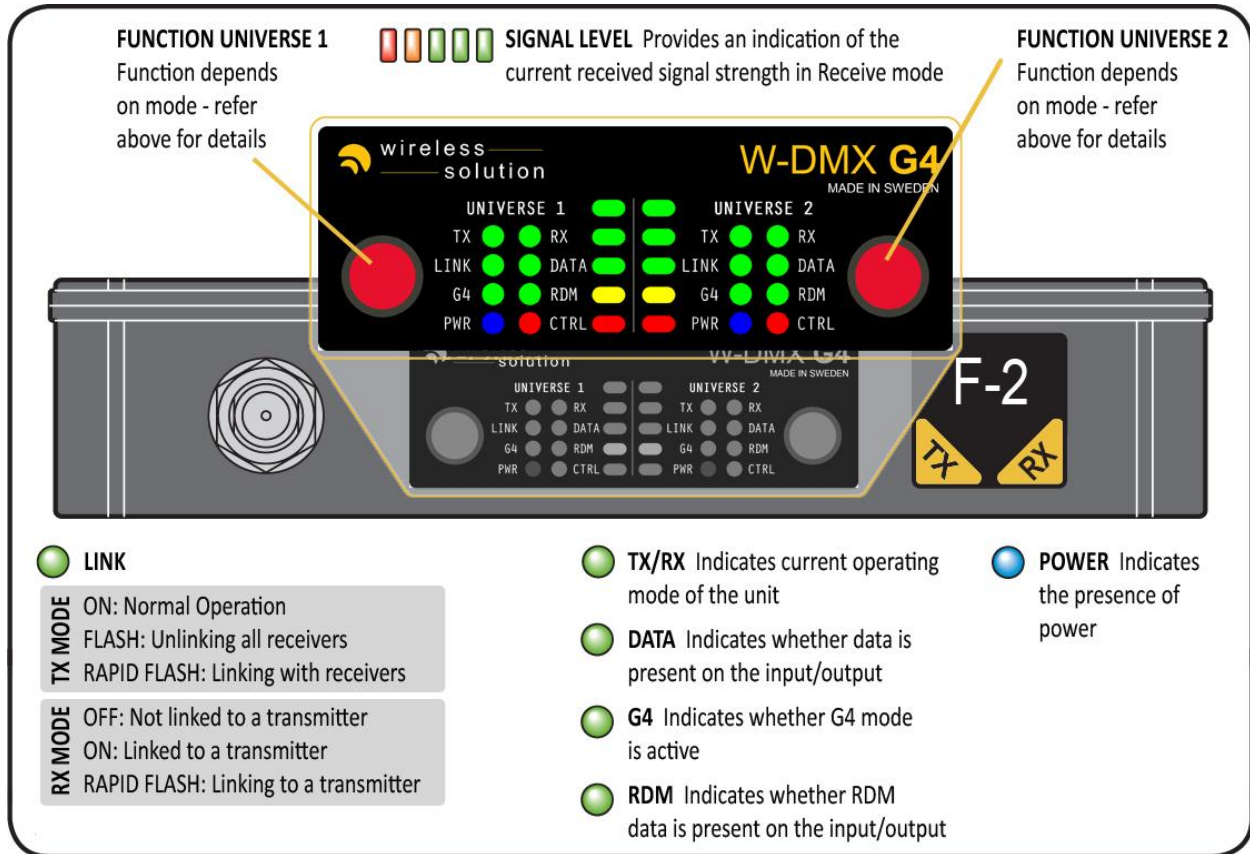
W-DMX BLACKBox/WHITEBox R-512 DISPLAY



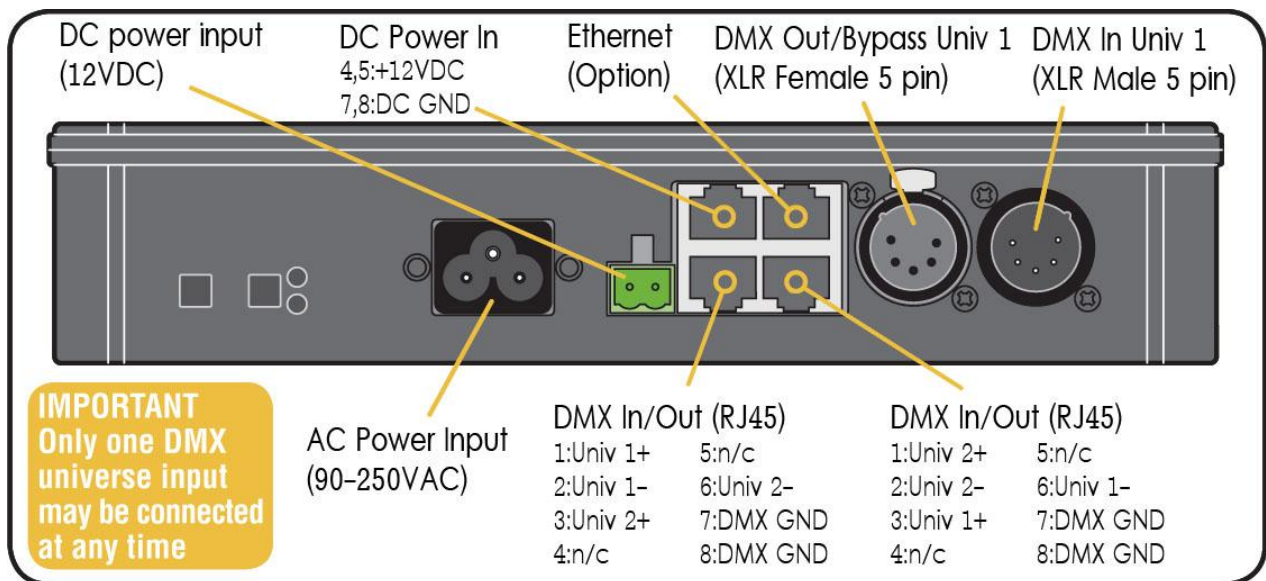
W-DMX BLACKBox R-512 CONNECTIONS



W-DMX BLACKBox/WHITEBox F-2 DISPLAY



W-DMX BLACKBox F-2 CONNECTIONS



MICROBox F-1

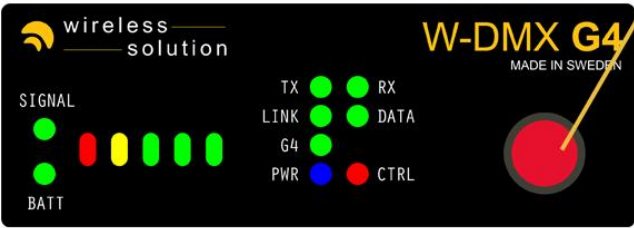
SIGNAL Indicates that the signal bars are currently showing received signal strength.

BATT Indicates that the signal bars are currently showing battery charge status.

LINK

TX MODE
 ON: Normal Operation
 FLASH: Unlinking all receivers
 RAPID FLASH: Linking with receivers

RX MODE
 OFF: Not linked to a transmitter
 ON: Linked to a transmitter
 RAPID FLASH: Linking to a transmitter



The front panel features a 'wireless solution' logo, 'W-DMX G4' branding, and 'MADE IN SWEDEN'. It includes a row of five signal bars (red, orange, yellow, green, green) labeled 'SIGNAL' and 'BATT'. A central column of LEDs is labeled: TX (green), LINK (green), G4 (green), PWR (blue), RX (green), DATA (green), and CTRL (red). A large red rotary switch is on the right.

SIGNAL LEVEL Provides an indication of the current received signal strength in Receive mode, or battery charge status.

FUNCTION
Function depends on mode - refer above for details

TX/RX Indicates current operating mode of the unit

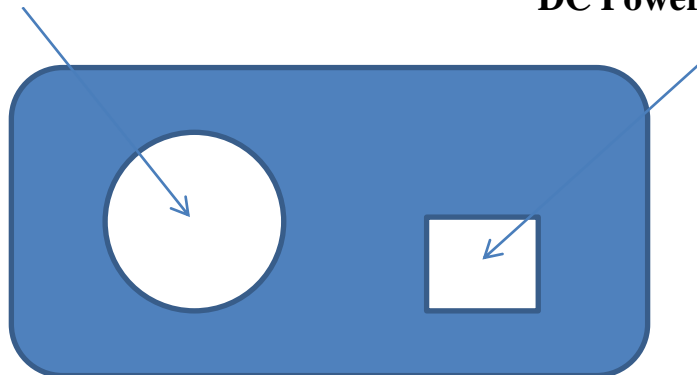
DATA Indicates whether data is present on the input/output

G4 Indicates whether G4 mode is active

POWER Indicates the presence of power

DMX In/Out

DC Power (12 VDC)



UNIT SIDE VIEW

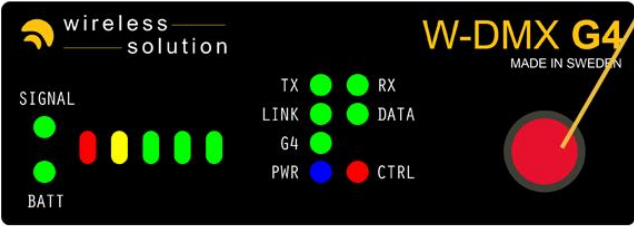
MICROBOX R-512

SIGNAL Indicates that the signal bars are currently showing received signal strength.

BATT Indicates that the signal bars are currently showing battery charge status.

LINK
RX MODE
OFF: Not linked to a transmitter
ON: Linked to a transmitter
RAPID FLASH: Linking to a transmitter

SIGNAL LEVEL Provides an indication of the current received signal strength, or battery charge status.



The front panel of the W-DMX G4 unit features a black face with the 'wireless solution' logo on the left and 'W-DMX G4' with 'MADE IN SWEDEN' on the right. It includes a 'SIGNAL' indicator with five green bars, a 'BATT' indicator with five green bars, and a central array of status LEDs: TX (green), RX (green), LINK (green), DATA (green), G4 (green), PWR (blue), and CTRL (red). A red rotary switch is located on the right side of the panel.

FUNCTION
Controls Link/Unlink of the Device - Refer above for more information

TX/RX Indicates current operating mode of the unit

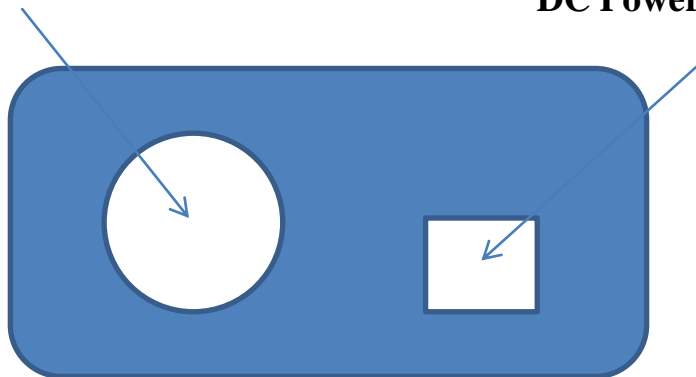
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DMX Out

DC Power (12 VDC)



UNIT SIDE VIEW