

MTX operational instructions

The MTX transmitter is designed to be a low cost solution to revive an LED wristband after its primary use at a concert. This allows the user to turn the LED wristband on using the radio frequency transmission and control the LED parameters and effects by pressing the associated buttons.

Items required-

1x MTX transmitter

1x RGB Xylobands.

Instructions-

1. Turning on the transmitter.

To turn on the MTX you need to press and hold the power button for 10 seconds. This will turn the display LED red and then send a repeat RF transmission. This RF transmission repeats for a further 10 seconds and communicates to the receiver to go from the dormant “Sleep” mode to the “Wake” mode. This process is indicated by a dim flashing red led on the transmitter

2. Sending an effect parameter

Once step 1 is complete, the buttons on the MTX will send packets of data to the wristband performing the desired action displayed in the table below-

Button	Action
Yellow colour button	Turn's the wristband effect Yellow
Red Colour button	Turn's the wristband effect Red
Magenta Colour Button	Turn's the wristband effect Magenta
Green Colour button	Turn's the wristband effect Green
Blue Colour button	Turn's the wristband effect Blue
White colour button	Turn's the wristband effect White
Mix Colour button	Turn's the wristband effect a mixture of the above colours
Beat Tap Button	Send's a single transmission for the wristband to flash once
Twinkle button	Allows a group of wristbands to flash sequentially to get a twinkle effect
Beat button	Makes the wristband flash continuously
Heartbeat Button	Makes the wristband flash twice and then is off for a small period before repeating the sequence. This symbolises a “Heartbeat”
Random Effect button	Makes the wristbands flash in a random sequence at a designated speed
All on Button	Turns the wristbands on
Glow button	Allows the wristbands to perform a glow sequence
Strobe button	Makes the wristbands strobe fast
Stop Button	Stops the current effect

3. Turning the system off.

To turn the MTX off press and hold the “Power” button until the red light turns off. This will send the standby “sleep” RF packet which tells the receiver to go into the power saving sleep mode.

FCC warning statement:
This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Please see Section 5.3 of RSS-Gen Issue 3 for further information.

English

"Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication."

"This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."

French

"Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada.

Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante."

"Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."