



**GLOW MOTION
TECHNOLOGIES**

GhostBandTM

User Manual

Revision History

<u>Rev</u>	<u>Change</u>
0.1	First Draft
1.0	First issue. 14/01/14
1.1	Removed Confidential footer.

1. **Overview**

1.1. The Ghostband is a wearable wirelessly controlled LED wristband for use in the entertainment industry. Audience members wear the wristband and become part of the overall lighting scheme of a show or corporate event.

2. **Operation**

2.1. **LEDs**

2.1.1. The Ghostband module has between 2 and 5 LEDs fitted to the PCB to illuminate the wristband. The LEDs light up when they receive a command wirelessly from the stage transmitter.

2.2. **Pushbutton**

2.2.1. Press and hold the button for 3 seconds to power ON the Ghostband.

2.2.2. Press and hold the button for 7 seconds to power OFF the Ghostband.

2.3. **Environment**

2.3.1. The Ghostband is water resistant but not water proof. Do not submerge the Ghostband as this will damage the device.

3. **Battery**

3.1. **Type**

3.1.1. The Ghostband is fitted with a replaceable Alkaline AAA 1.5V battery. After use the battery should be disposed of responsibly.

3.2. **Replacement**

3.2.1. Remove the Ghostband module from the silicone wristband by stretching the silicon and pushing the module from the front.

3.2.2. The battery can be clearly seen now the module is removed. Remove the battery from its sprung holder and replace with the appropriate type of battery. Observe the positive/negative symbols on the bottom of the battery holder to ensure the battery is fitted correctly.

4. **Wristband**

4.1. **Aftercare**

4.1.1. The silicone wristband can be washed in a mild detergent to remove dirt but ensure that the module is removed first.

5. **FCC 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.

6. **Industry Canada Statements**

"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."

"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."