

### Important

You ride at your own risk. Any modification will void warranty. It is important to check that when the battery is fitted it does not affect steering or interfere with cables. It is the owner's responsibility to check before each ride that the 'o' ring is not cracked or worn. If this is the case it should be replaced. When attaching any FOUR4TH product to third party equipment you must check with the manufacturer first. Remove from bike before hosing or jetwashing. This is a quick start guide. For full instructions and safety notices read the PDF manual before use, downloadable from our website. You can also view a movie of the operations described here: [www.four4th.co.uk](http://www.four4th.co.uk)

### What's in the box?

- 1 x light unit
- 1 x battery
- 1 x mount
- 1 x charger

### 1 Mount the unit

**a) Handlebar Mount:** Place the bracket on the bars and wrap the 'o' ring around the bar and into the recess on the rear of the bracket. The Handlebar Mount must be attached around the handlebar and you must pull the 'o' ring down, then around the handlebars to stop friction between the 'o' ring and handlebars.

**b) Fixed Handlebar Mount & Gravity Bar Mount:** Undo the supplied bolt, push the mount onto the small diameter of the handlebars (closest to the brake lever) and then slide towards the stem into the position you intend to use it. Fit the bolt and tighten into position (5NM). These mounts must be attached around the 31.8mm or 35mm diameter of the handlebars. Different thickness rubber inserts are supplied for the above diameters and should be fitted into place before use.

**c) Helmet Mount:** Place the bracket on your helmet and assess the best position. Having determined this, put one 'o' ring around one hook on the bracket. Place the bracket on the helmet and allow the 'o' ring to drop through one of the vents. Using your other hand, feed the 'o' ring back up through another vent and attach it around the same hook on the bracket. Repeat the process for the other side, using the second 'o' ring and pushing the mount towards the centre which will make the final connection easier. This needs to be tight and you may need to experiment to find the position that best suits your helmet.

### 2 Fit the QR battery pack

Firstly you must remove the quick release bracket from the battery; this is done by removing the flight lock pin, rotating the battery 45° and pulling the battery out to release the bracket. Once you have just the bracket you are now able to fix this in position under the stem. The bracket comes with an 'o' ring which fixes into the two groves either side of the bracket. While holding the bracket in position under the stem, fix the 'o' ring to the right recess (if you are sitting on the bike) and then loop the 'o' ring around the stem allowing your thumb access to the recess on the left of the mount (you must pull the 'o' ring up before going around the stem to stop friction between the 'o' ring and stem). Now that the bracket is fitted to the stem you can straighten the bracket into position and fix the battery. This is done by locating it into position at 45° and rotating the battery back to its original forward facing position. Now that the battery is fitted the flight lock pin must be fitted to lock the battery in position.

Fit the cable to the connector on the back of the light, gently rotating the cable until you feel the pins align, then push home. Screw the knurled nut until it is hand tight. If you are using the battery in the neoprene pouch, carry it separately to prevent damage. The light is now ready for use.

### 3 Check the battery condition

**FOUR4TH 14.8v battery:** When you receive your new unit, you should fully charge the battery.

Before each ride you should assess the battery for any signs of damage.

Never store your FOUR4TH battery fully charged. It must be slightly depleted but should have more than 50% charge. In this condition it may be stored for up to 2 months. It should be charged at least once every 2 months to maintain a healthy condition. When not in use, the light should always be disconnected from the battery, otherwise it will continue to draw a small amount of power. The battery contains circuit protection to prevent over discharge.

Never leave your Li-ion battery completely discharged as this will damage the battery.

Note that all FOUR4TH batteries are microchipped to record charging history and batteries that have been stored with an incorrect charge will not be covered under warranty.

Please refer to the section titled 'Preparing to store' in the FOUR4TH manual (available from the 'Light fitting & tech talk' tab on our website).

### 4 Prepare to ride

- When you connect the power cable to the light unit you may notice a brief flicker and then three flashes from the LED in the on/off switch, which indicates the light is configuring. Do not press the switch until it has finished this sequence. After this, the light is ready for use.
- Press the switch once: the light is now on its lowest setting. You can toggle quickly between low, medium and high settings with a single press.
- Press and hold to turn the light off.
- Press and hold again to activate flash mode. When in flash mode, single presses toggle between high flash, constant low beam with high flash, and low flashing. Press and hold again to turn the light off.

After 5–10 minutes' use on full beam, if there is insufficient air flow to cool the unit, the motion-temperature sensor will adjust the beam to give the highest power for the speed at which you are riding. The switch LED will glow dimly red during this time. The sensor will automatically adjust the power upwards again as soon as there is increased air flow to the unit. The switch LED will go out when your riding speed has sufficiently cooled the unit.

By using the appropriate settings you can increase the run time of the light and reduce the likelihood of the sensor ramping the power down.

**LOW setting =** Preparing to ride, repairing punctures, stopping to talk, reading maps etc.

**MEDIUM setting =** Riding

**HIGH setting =** Riding

## **5 Charge the battery**

When the battery charge is depleted, disconnect the light from the battery. Plug the FOUR4TH battery charger into the mains and the LED will show green. Attach the cable to the connector on the charger (in the same way that you connected it to the light in step 2). The LED will now show red. When a full charge is attained the LED will show green. Disconnect the battery cable from the charger and unplug the charger from the mains. Only charge at 14.8v using the FOUR4TH charger and do not leave unattended.

### **Warnings**

Always use the dedicated 14.8 volt FOUR4TH battery charger provided with your light.

Always ride with two independent lights of equal power (in case one fails you have a back-up light source).

Your unit should be serviced annually and after any crash.

The unit may become hot to touch during or after use. Wait until cool before handling.

You may need to add padding (not supplied) under the 'o' rings on the inner surface of your helmet to guard against pressure points.

Fit frame protectors to guard against marking or damage to bike surfaces or accessories.

Check battery 'o' ring is seated correctly and in place before connecting the battery.

When the battery is disconnected from the light unit, water can penetrate the light unit or the battery. Take avoiding action.

Goods are used at the risk of the owner regardless of any consequential actions.