

## **KIWISAT 101 PTTs & VHF TX.**

*Notes from AAD:*

### **Magnet effectiveness**

Activation of the transmitters using the magnets has been possible through the stainless steel body but if this proves difficult the transmitter will have to be removed from the s/ steel body. To do this remove 6 x M3 cap screws and pull the unit from the body. Take care when replacing the unit not to damage the 'O' ring seal. Use a silicone grease to lubricate this seal occasionally.

### **Battery life**

Lithium cells have a reliable shelf life of approximately two years; therefore it is recommended that you have your PTTs and VHF transmitters recharged at two year intervals. It is also recommended that you regularly check your units (by turning them on and off) at least every six months. Note that placing operating PTTs too close together will cause them to interfere with each other and may result in no data being received by Argos. We recommend that if you are testing multiple tags, keep them separated by approximately 10m, or test them one at a time.

When switched on, the PTTs are capable of transmitting continuously for approximately 140 days.

### **ACTIVATING/DEACTIVATING KIWISAT 101 PTTs & VHF TX.**

**Supplied by:**

**Sirtrack Limited**

**Goddard Lane**

**Private Bag 1403**

**HAVELOCK NORTH**

**NEW ZEALAND**

[www.sirtrack.com](http://www.sirtrack.com)

**Telephone: + 64 6 877 7736**

**Facsimile: + 64 6 877 5422**

### **PTT ACTIVATION**

KiwiSat 101 PTTs have a unique on/ off system that ensures PTTs cannot be activated accidentally. It also reduces Argos costs because the PTTs can be turned off during packaging.

Apply a magnet to the silver spot (on the inner transmitter housing) for longer than 0.5 of a second. The red LED on the PTT will flash ten times to indicate that the PTT has been turned on.

Note that the magnet should be removed as soon as the LED has started flashing (after 0.5 of a second). The magnet must not be taped in place.

### **PTT DEACTIVATION**

To turn off the PTT, reapply the magnet to the silver spot of the inner housing for longer than 0.5 of a second. The red LED will flash twice to confirm that the PTT has been turned off.

### **VHF TRANSMITTER ACTIVATION.**

Tune a receiver to the correct transmitter frequency and apply a magnet to the silver spot marked "VHF" for >0.5 of a second. There will be a continuous tone followed by 5 quick beeps.

### **VHF TRANSMITTER DEACTIVATION.**

To deactivate the VHF transmitter simply reapply the magnet. There will be a continuous tone followed by silence.

Remove the magnet.