

Straightpoint

(UK) Limited

World Leaders In Load Monitoring Technology

Operators Instructions For:

Radio-Link *plus*

Ver: 2.04

General Description

The Radio-Link plus is an advanced microprocessor controlled wireless portable force measuring device.

It features a robust weatherproof construction, easy-to-read display and no external antennas.

The devices are delivered ready to use, complete with batteries and certificate of calibration.

These devices have a normal range of 100 metres.

Getting Started

These devices are simple to use and will give long trouble free service if used as intended.

Before attempting to use the device ensure that the capacity of the unit is suitable for the task being undertaken.

The safe working load is shown on the front of each device.
e.g. MAX. 5t x 0.001t has a maximum working load of 5 metric tonnes or 5000kg.

The unique address of the Radiolink is detailed on the side of the link, for instance 0003F5.

Please ensure that the Radiolink is positioned correctly in relationship to where the operator is standing.



Measuring A Load

To switch on the Radiolink press and hold the key for five seconds.



The display will read “BUSY” as it wakes up the Radiolink (this can take up to 12 seconds).

When the display shows a live weight reading you may use the



key to zero the display if required.

Apply the load SLOWLY and watch the display on the device to ensure that the load applied is not greater than you had estimated.

Avoid shock loads. Do not apply large twisting forces to these devices as it may damage them beyond repair.

When finished measuring turn off the device by pressing and holding

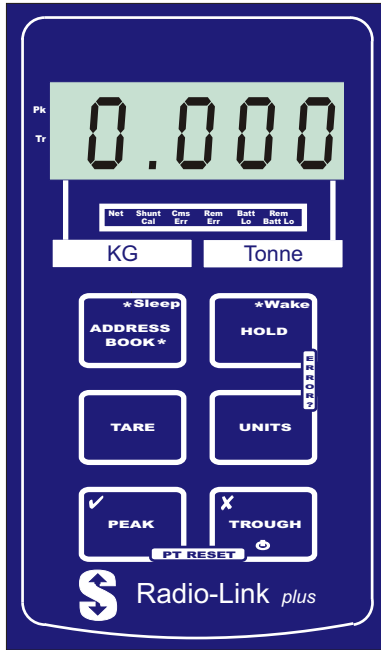
the key for five seconds.




Remove the device from the test site, clean and store ideally in a Straightpoint carry case.

If the device is to be stored for long periods of time please remove the handheld display battery.

Keypad



This key has two functions:

- 1)  Pressing this button for 5 seconds turns the handheld display on and off.
- 2) **TROUGH** When in normal measuring mode, pressing this button will set the “trough hold” function. This mode will freeze the display at the lowest reading recorded. Trough hold is activated until the button is repressed. When activated an annunciator on the display will point at the “Tr” symbol.



When in normal measuring mode, pressing this button will set the “peak hold” function. This mode will freeze the display at the highest reading recorded. Peak hold is activated until the button is repressed. When activated an annunciator on the display will point at the “Pk” symbol.



Pressing the units button will switch between the two units of measure shown on the handheld display (Normally tonnes and KiloNewtons) an annunciator on the display will point at the selected unit.



Pressing the gross/net key will zero the reading and display a net value. Once pressed an annunciator on the display will point at the “net” symbol. To revert to gross mode re-press the button.



When in normal measuring mode, pressing this button will set the “hold” function. This mode will freeze the display at the time of button press. Hold is activated until the button is repressed. When activated the display will flash.



When in normal measuring mode, pressing this button will toggle through any multiple Radiolink addresses programmed into the handheld display.

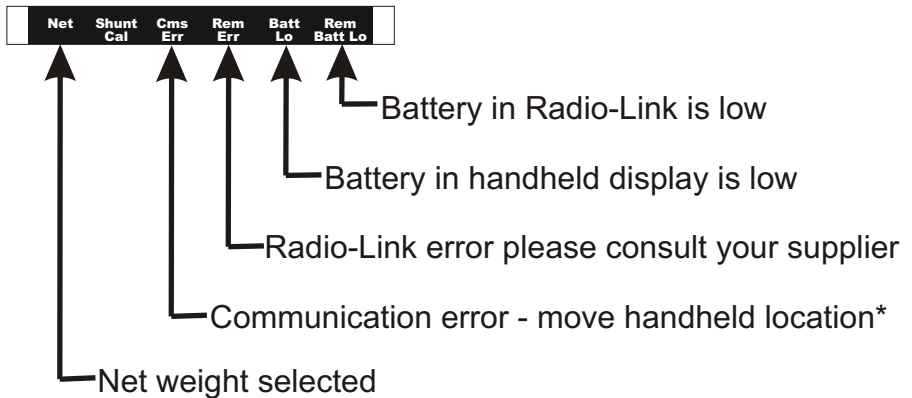
NOTE: This button will only work if multiple addresses are programmed.

Combination Buttons



Pressing the “Trough” and “Peak” buttons simultaneously will reset the stored value without switching ‘peak’ or ‘trough’ hold off.

Annunciators



Radiolink Battery Care

When the loadcell batteries are getting low (1-2 hrs remaining) the “REM BAT LO” annunciator will display.

When the batteries are low they should be replaced with four AA alkaline cells.

To change the batteries remove the four screws holding the battery cover on the rear of the device.

Remove and replace the batteries

Ensure that the batteries are firmly in position, correctly connected, and that the gasket sealing area is clean and dry before repositioning.

THE LOADCELL WILL NOT FUNCTION CORRECTLY WITH NI-CAD RECHARGEABLES.

Handheld Display Battery Care

When the handheld batteries are getting low (1-2 hrs remaining) the “BATLO” annunciator will display.

When the batteries are low they should be replaced with two AA alkaline cells.

To change the batteries remove the two screws holding the battery cover on the rear of the device.

Remove and replace the batteries.

Ensure that the batteries are firmly in position, correctly connected, and that the gasket sealing area is clean and dry before repositioning

Care And Faults

While these devices are sealed to IP65 standards they should not be immersed in water.

The effects of solvent on the device can not be guaranteed, and so should be avoided.

Avoid use within 20-30 minutes of rapid changes in temperature - for example moving the device from a cold vehicle into a warm room. The change in temperature can affect the accuracy of the device, the operating temperature is -10 to +50 centigrade.

Should the display show “overload” remove the load immediately **AS THIS INDICATES AN OVERLOAD SITUATION.**

Check the load applied is within the safe working load of the device, if it continues to display overload contact your supplier.

Service And Calibration

These products are supplied with a certificate of calibration which is valid for one year.

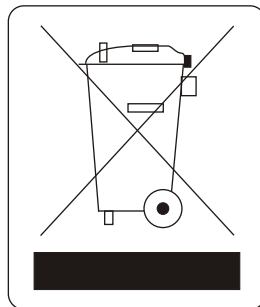
After this date it is recommended that the device is recalibrated by Straightpoint or an approved calibration laboratory.

Contact the Straightpoint service department or your supplier for more information.

In the unlikely event of this device failing, fit a new battery and re-test. Only when this has been done should you contact your supplier to report the fault. When reporting the fault it is important to give a full description of the problem and the type of application the device is being used for.

WEEE Statement

In the European Union, this label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling in accordance with legislation under the WEEE Directive (Directive 2002/96/EC)



Warranty

Straightpoint (UK) Ltd warranty this product against malfunction for a period of one year from manufacture.

Conditions of warranty:

- 1) The equipment is used as described exactly in the operators manual supplied.
- 2) Whilst we make every effort to ensure each device is calibrated before despatch Straightpoint (UK) Ltd do not accept responsibility for inaccurate readings indicated by this equipment.
- 3) In the event of malfunction the device is returned to the manufacturer -
Straightpoint (UK) Ltd
Clovelly Road
Southbourne
Hampshire
UK, PO10 8PE
- 4) If we consider any malfunction to be caused by misuse then this warranty is void and any repair will be charged for as applicable.

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