GETTING STARTED

♦ Connect the two loadbar cables to the loadbar sockets marked on the rear of the indicator.

Use the internal rechargeable battery, or:

Use the *Iconix* AC adaptor, or:

Attach the battery cable to the FX15+ and clip on to a 12V DC battery (car, tractor battery etc). ENSURE CORRECT POLARITY: red clip to +, black clip to —.

♦ Press the **ON** key. The FX15+ initially displays the firmware version number e.g. 'P6.05'. Then the FX15+ shows the type of loadbars attached: 'SCAL.1' for standard loadbars or 'SCAL.3' for heavy-duty loadbars.

♦ The scale will automatically return to zero. When complete, the ZERO pointer ▲ will show that the scale is at zero.

Note: If a large load (such as a partly filled wool bale in a wool press) remains on the scale from previous use, the last weight will be displayed. The operator can continue the weighing session from where last finished.

Alternatively, press **ZERO** to return the scale to zero.

♦ If this is a new weighing session, the operator will probably want to start with cleared statistics (see STATS KEY below).

♦ Check that the ZERO pointer ▲ is displayed. Load the animal on to the platform. Press **WEIGH**. The animal is accurately weighed and the result locked on the display (in HOLD mode). A new weight record is added to memory and the statistics are updated.

♦ Remove the animal from the weighing platform. The last animal's weight remains locked on the display. Check that the ZERO pointer ▲ is displayed between animal weighings. If the ZERO pointer does not appear, hold the next animal back, keep hands etc. clear of the crate and press **ZERO**. The scale will return to zero and the weighing session can proceed.

♦ At the end of the weighing session, switch the indicator **OFF**.

IF THE FX15+ IS DETACHED FROM THE LOADBARS, ENSURE THAT THE WEATHERPROOF CAPS ARE FIRMLY INSTALLED ON ALL CONNECTORS

MODE KEY

The **MODE** key allows the operator to change the weighing mode to FREE mode or one of three types of HOLD mode, as indicated by the HOLD pointer ▲ on the display.

HOLD Mode   'HOLD'

Pressing **WEIGH** starts an averaging process, which then displays the accurate weight of the moving animal. Each weight is added to the statistics and locked on the display until the next key press.

RACE Mode   'rACE'

A version of the standard HOLD mode for weighing cattle in a race, where the weighing result may be affected by the animal leaning against the race. Wait until the animal has been clear of the race for about 1.5 seconds, then press **WEIGH**.

SPEED Mode   'SPEEd'

A fast version of the standard HOLD mode with a 1.3 second weigh time. Only for use with special crates that restrict animal movement, allowing faster weighing.

FREE Mode   'FrEE'

The display is continuously updated with the weight currently on the scale. If **WEIGH** is used, the averaged weight is briefly displayed and added to the statistics. FREE mode is suitable for static load weighing, not for weighing animals.

WEIGH KEY

To weigh an animal on the scale, press **WEIGH**. The animal is accurately weighed and the result locked on the display (in HOLD mode). A new weight record is added to memory and the statistics are updated. For a complete description of the weighing process, see the GETTING STARTED section above.

DELETE KEY

If there has been a problem with the weighing, press **DELETE** to delete the last weighing from the statistics. 'dELEt' is displayed as confirmation. It is only possible to delete the last weighing immediately after the animal has been weighed. 'nonE' is displayed if deletion is not possible.

DRAFT KEY

A draft limit may be set to allow sorting of animals into high or low weight ranges. After weighing an animal, the display will show H (high) or L (low) alongside the weight. If drafting is not required, set the draft limit 'd 0.0'.

To set the draft limit, press **DRAFT**. The display will show the current limit, for example 'd 560'.

To change the draft limit, press **ZERO** (+) to increase or **MODE** (–) to decrease.

A single press of these keys will change the draft limit up or down by one step. Hold the keys down for rapid scrolling.

You may press **DELETE** to return the draft limit to 'd 0.0'.

After setting, press **DRAFT** to return to the weighing mode.

STATS KEY

Statistics are stored in a single file in permanent memory. Normally statistics would be cleared at the start of a new weighing session. Alternatively the operator may wish to add new weighings to a previous weighing session.

Scroll through the statistics using **STATS**. They are displayed, flashing, in the following order:

no. - number of animals weighed
AUG - average weight
tot - first half of total weight (5 digits)
tot - second half of total weight (5 digits)

If the Draft Limit has been set, then draft numbers are shown:

HI   - no. of animals higher than the draft limit
Lo   - no. of animals lower than the draft limit

Press **STATS** again to return to the weighing mode.

Rather than scrolling through all statistics, you may exit at any point by pressing **WEIGH**.

CLEARING STATISTICS

All records in the file are cleared by pressing **DELETE** while any of the statistics are flashing on the display. The operator is then prompted with the message 'dEL.?'. Press **DELETE** again within 2 seconds to confirm. 'dELEt' is displayed if the file has been cleared.

BATTERY VOLTAGE

To display the battery voltage, hold down **STATS** for 2 seconds until the voltage is shown, e.g. '*12.4 U*' for 12.4 volts. The normal operating range is from 12.0 to 12.8V. Below 12.0V, the battery will soon need to be recharged.

Charging the battery will be faster if the FX15+ is switched off. However you may check that the charger is working correctly by switching the indicator on and checking the voltage. While charging, '*CHArG*' will be shown instead of the voltage.

BLUETOOTH CONNECTED

When a Bluetooth module is factory fitted, you may check whether the FX15+ Bluetooth is currently connected to another Bluetooth device. Hold down **DELETE** for 2 seconds until the following is shown:

Conn.1   if connected
Conn.0   if not connected

USER SET-UP

NOTE: Most FX15+ settings apply only to the currently connected scale e.g. standard loadbars on Scale 1. Changing these settings has no effect on the other two scales.

Some settings apply to all scales (1: standard loadbars, 2: vet or other scale base, 3: heavy-duty loadbars). Changing these settings on one scale, will change the other two scales.

To enter User Set-Up, hold down **DRAFT** for 2 seconds.

When the display shows '*SEtUP*', release **DRAFT**.

The user settings are as follows:

1. BLUETOOTH   (all scales)

bLUE.0 Off (default)
bLUE.1 On

If Bluetooth has been enabled by the distributor/dealer, it may be switched on or off.
To change the Bluetooth setting, use **ZERO** (**+**).
To save and step on to the next setting, press **DRAFT** (➜).
To save this setting and exit Set-Up, press **WEIGH**.

2. BLUETOOTH MODE

bt.Std Standard (default)
bt.Con Continuous
bt.Eld EID reader

If Bluetooth has been enabled by the distributor/dealer, Standard, Continuous or EID mode may be selected.

The standard setting is "on-demand" output, where the weight string is transmitted after a press of **WEIGH** or in response to receiving the 'Q' or 'L' control codes (if Bluetooth is ON).

For "continuous" output mode, the weight string is transmitted every time the weight on the FX15+ display is updated. DO NOT select this mode unless you have a good reason for doing so, such as transmitting to a remote display.

EID mode may be selected, for use with a compatible Bluetooth equipped reader.

To change the Bluetooth Mode setting, use **ZERO** (**+**).
To save and step on to the next setting, press **DRAFT** (➜).
To save and step back to the previous one, press **STATS** (⬅).
To save this setting and exit Set-Up, press **WEIGH**.

3. EID MODE

Eld.OF Off (default)
Eld.G1 Gallagher HR5
Eld.t1 not currently used
Eld.A1 not currently used

When Bluetooth mode has been set as EID, the EID reader type may be selected.

Please contact Iconix for further information on connecting to a Gallagher HR5 reader.

To change the EID Mode setting, use **ZERO** (**+**).
To save and step on to the next setting, press **DRAFT** (➜).
To save and step back to the previous one, press **STATS** (⬅).
To save this setting and exit Set-Up, press **WEIGH**.

4. RS232   (all scales)

232.0 Off (default)
232.1 On

If RS232 has been factory installed as an option and enabled by the distributor/dealer, it may be switched on or off. Unless it is specifically required, ensure that it remains OFF.
To change the RS232 setting, use **ZERO** (**+**).
To save and step on to the next setting, press **DRAFT** (➜).
To save and step back to the previous one, press **STATS** (⬅).

5. ZERO-TRACKING

ZEr0.1 On (default)
ZEr0.0 Off

Zero-tracking automatically restores the scale to zero, by "tracking out" small amounts of dung and dirt left on the scale. It should be ON for most weighing applications.
To change the Zero-Tracking setting, use **ZERO** (**+**).
To save and step on to the next setting, press **DRAFT** (➜).
To save and step back to the previous one, press **STATS** (⬅).

6. DISPLAY RELEASE

rELS.0 Off (default)
rELS.1 On

The standard factory setting is Display Release OFF, which in HOLD mode keeps the last weighing locked on the display, until the next weighing. With Display Release ON, when the weighed animal is removed from the scale, the weight will not remain locked on the display.
To change the Display Release setting, use **ZERO** (**+**).
To save this setting and exit Set-Up, press **DRAFT** (➜).
To save and step back to the previous one, press **STATS** (⬅).

On exit from Set-Up, '*SAUEd*' is displayed as settings are stored. The FX15+ returns to the normal weighing mode.