WaterWeights

GL112 Setup & Programming Instructions

Important note

Setup changes and programming is only allowed to be performed by authorized people. If in doubt, please contact your local Water Weights agent.

Entering the Setup Modes

The GL112 remote display unit has three (or two*) programming modes which can be entered by using key combinations during the startup process of the GL unit.

The General Setup mode can be entered with: [SET] + [↵]
The Enginering Units Setup mode with: [△] + [TARE]
The Print Setup* mode can be entered with: [SET] + [TARE]

To enter one of the programming modes of the GL112 pleas follow the following steps:

1. Turn off the GL112 using the [OFF] (off) key.
2. Now press and hold the key combination for the required setup mode.
3. While holding the key combination, switch on the GL112 using the [ON] (on) key.
4. Now follow instructions for the selected setup mode.

Note: *(*) The print setup mode is not available in all software versions and is also depending whether the GL112 is equipped wit an RS232 serial output.*

Resetting the hooktare to zero

To reset the hooktare to zero, follow the next steps:

1. Enter the General Setup mode.
2. The display will now show [Par-].
3. Please note that the LE load link or shackle MUST BE turned on with ZERO load applied, for this function.

4. Press [TARE] to reset the hooktare.
   The display will alternate [donE] and [……] for a few seconds. Where "……" is equal to the previous hooktare value. After this the display will stay blank.
5. Press [↵] to return to normal operation.

Set sleep time

To set the sleep time (see paragraph "power saving mode" on the operating instructions sheet). This sleep time period can be set from 0-90 minutes. When set to 0 minutes the GL display will never go to sleep .

1. Enter the General Setup mode.
2. The display will now show [Par-].

3. Press [SET] - *The lcd shows* [SLEEP]
4. To INCREASE the sleep timer, press [△]
5. To DECREASE the sleep timer, press [SET]
6. When finished, press [↵]
   The display will show [donE]
7. Press [↵] to return to normal operation.

Setting the Link ID

To set the link ID (see paragraph "checking the system" on the operating instructions sheet). The Link ID can be set on any number between 1-16 (Or 1-9 on older systems) .

1. Enter the General Setup mode.
2. The display will now show [Par-].

3. Press [△] - *The lcd shows* [Id…]
4. To INCREASE the link ID, press [△]
5. To DECREASE the link ID, press [SET]
6. When finished, press [↵]
   The display will show [donE]
7. Press [↵] to return to normal operation.

Setting the engineering units

The GL112 display provides readout in Metric Tonnes, Short Tonnes and LBS. To change the engineering units, please follow below instructions.

1. Enter the Engineering units setup mode.
2. The display will now show the current programmed engineering units, eg: [=tonn]

3. Press [△] several times to scroll through the engineering units. These will be displayed as:
   [=tonn]   [=LbS]   [=Ston]
4. After you have chosen the right engineering unit, press [↵] to apply.
   The display will flash [donE], and the GL112 will return to normal operation.

RS232 Printing

If the GL112 is fitted with an RS232 serial output, the unit can print to an RS232 printer, or a PC, using any RS232 compatible communication software (like Hyper-Terminal). A communication cable has been provided with the load cell. The communication settings of the software must be set as per below settings.

Baudrate:	4800
Parity:	NO
Data Bits:	8
Stop bits:	1

During normal operation, the GL112 will immediately send data to the PC/printer using the current set print mode (see paragraph "RS232 print modes"). If the Print mode is set to "On Demand", the display will not send any data until △ is pressed (during normal operation). The data is sent to the PC/printer as follows:

01, 12/12/05 , 23:39, 0.00,02
(Link Id, the date , time , load,batt.status)

Note: *The loadlink's battery status (orange) is shown as: 01=OK, 02=low, 03=flat*

RS232 Print modes

If the GL112 is fitted with an RS232 serial output, you will be able to set the print mode, by following below instructions. There are four (or three*) print modes available.

[OFF] = No printing
[ES] = Print on demand *
[Print] = Printer setting, 60 sec interval
[PC] = Pc setting, 2 sec interval

Note: *(*) The "Print on demand" mode and date and time setting are not available in all software versions.*

1. Enter the <u>Print setup</u> mode.
2. The display will now show the current programmed print mode, eg: [OFF]
3. Press △ to scroll through the print modes. These will be displayed as:
4. After you have chosen the right engineering unit, press ↵
   The display will flash [donE], and the GL112 will return to normal operation.

Setting the Clock

If the GL112 is fitted with an RS232 serial output, you will be able to set the clock, by following below instructions. *(Not available in all software versions)*

1. During normal operation, press [SET]
   The display now shows: [Set]
2. Now press △ several times until the display shows: [CLOC]
3. Press ↵ to enter the clock setting mode.
   The display now shows: [HH 0]
4. Enter the right hour, using the controls shown in the box at the end of this paragpaph.

5. Press ↵ to apply.
   The display now shows: [MM 0]
6. Enter the right minute, using the controls shown in the box at the end of this paragraph.
7. Press ↵ to apply.
   The display will flash [donE], and the GL112 will return to normal operation.

[TARE] (tare)	= Increase amount **+10**
[SET] (set)	= Increase amount **+1**
△ (up arrow)	= Decrease amount **-1**

Setting the Date

If the GL112 is fitted with an RS232 serial output, you will be able to set the date, by following below instructions. *(Not available in all software versions)*

1. During normal operation, press [SET]
   The display now shows: [Set]
2. Now press the △ key several times until the display shows: [DAtE]

3. Press ↵ to enter the date setting mode.
   The display now shows: [DD 0]
4. Now follow the steps (4 - 7) of the previous paragraph (Setting the clock) for entering the Date, Month [MM 0] and the Year [YY 0].

Note: *The Date and Time need setting up every time the Batteries are removed and replaced.*