

# Tech Note

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**Title:** Using Red Lion load displays as a signal source

**Product :** Liftlog, Maxout, HB200

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## 1 **DESCRIPTION**

Red Lion load displays are well sold in the industry. They feature a serial output that Soledigital products can consume as a load source. This eliminates the need to calibrate the units, saving time and money.

## 2 PROCEDURE

**CONFIGURE THE SERIAL OUTPUT OF THE DISPLAY, SETTING THE FOLLOWING PARAMETERS.**

```
7-SRL->  BAUD ->  9600
          DATA ->  8
          ABRU ->  YES
          OPT ->   YES
          GROSS->  NO
          TARE->   NO
          INP->    YES
          HILO->   NO
          TOT->    NO
          SPNT->   NO
```

You can find a video showing this process here: [https://www.youtube.com/watch?v=ohRO-7c9pTo&ab\\_channel=CASWATutorial](https://www.youtube.com/watch?v=ohRO-7c9pTo&ab_channel=CASWATutorial)

**CONFIGURE A USER INPUT TO SEND THE LOAD TO THE SERIAL PORT**

```
2-FNC->  USR-1 ->  PRINT
```

Nb, if USR-1 is already used for a tare, or other input, you can configure the print function to USR-2 or USR-3, just adjust the wiring in the next step to match.

You can find a video showing this process here:

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=1W6KH7V6XOS&AB\\_CHANNEL=CASWATUTORIAL](HTTPS://WWW.YOUTUBE.COM/WATCH?V=1W6KH7V6XOS&AB_CHANNEL=CASWATUTORIAL)

**WIRE THE USER INPUT SO THAT IT'S CONSTANTLY ACTIVATED.**

**USER INPUT WIRING**

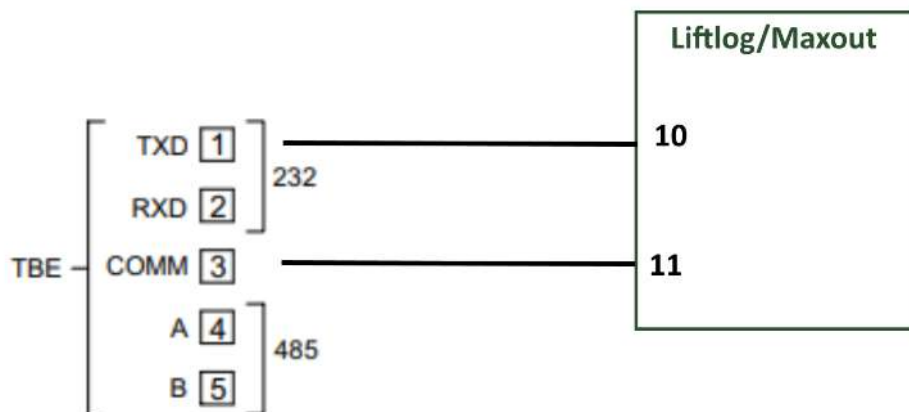
The User Input is located: LD2 - left side, LD4 - right side

- Terminal 1: User Comm
- Terminal 2: User 1
- Terminal 3: User 2
- Terminal 4: User 3

**Sinking Logic**

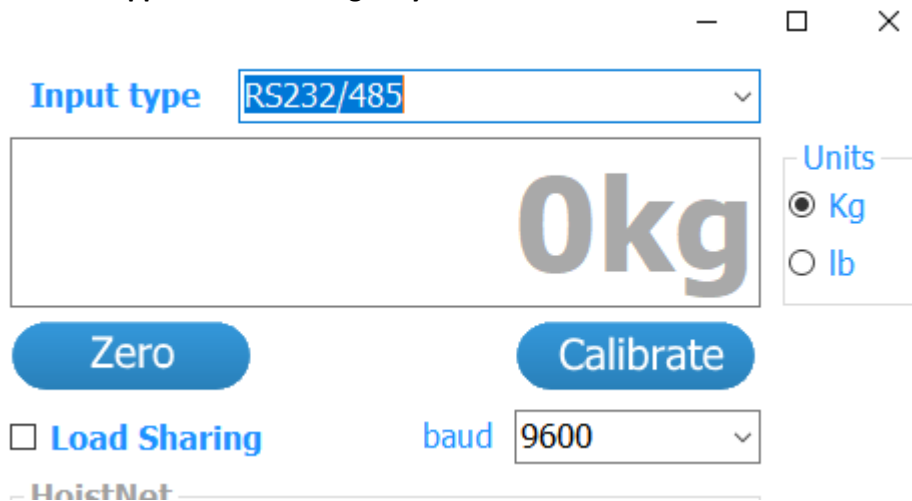


**WIRE THE SERIAL OUTPUT TO THE LIFTLOG, MAXOUT, OR HIBEAM**



**CONFIGURE THE SOLEDIGITAL DEVICE FOR RS232 INPUT 9600BAUD**

Use the FSU application to configure your device:



The screenshot shows a software interface for configuring a device. At the top right, there are window control icons: a minus sign, a square, and an 'X'. Below these, the 'Input type' is set to 'RS232/485' in a dropdown menu. The main display area shows a large '0kg' reading. To the right of this display is a 'Units' section with two radio buttons: 'Kg' (which is selected) and 'lb'. Below the display are two blue buttons: 'Zero' and 'Calibrate'. At the bottom left, there is a checkbox for 'Load Sharing' which is currently unchecked. To its right, the text 'baud' is followed by a dropdown menu showing '9600'. At the very bottom left, the text 'HoistNet' is partially visible.