

Instructions: Quick start using Darca Plus to configure RX250AL and GenII transmitters.

Refer to the 1000 Series Squirrel operating instructions supplied with the RX250AL for

- Configuring transmitters and channels from the RX250AL button panel
- Alarms
- communications options.

The following notes will enable you to get your RX250AL and transmitters configured quickly;

Install Darca Plus Ver 3.0 on the PC. Installation details in the Darca Booklet (TM1020) packed with CD.

You will need the LCTX3 lead, this is connected to a PC serial port and the transmitter to be configured.

You will also need the LC68 lead, this is connected to a PC serial port (use another serial port if possible) and the receiver/logger (e.g. RX250AL)

At this point check in **Settings>Communications** you have the appropriate PC serial port allocated to the LC68 lead. (If your PC has 2 x serial ports then use one port for the LC68 lead and another port for the LCTX3 lead (set this later in **Squirrel Channel to Transmitter Channel Assignment** window). Note: if using the LC68 with a RS232 to USB adaptor, ensure correct COM port is assigned in **Settings>Communications**.

(> symbol used for %click-on+)

This is the procedure to follow:

You will need the logger and transmitters to hand. (It is not possible to configure transmitters over-air)

First determine receiver/logger (Record+) Log Interval needed e.g. 30 minutes.

To do this:-

Enable **Darca Plus>Contact Wizard>Manual>Next>Directly>Next**
The **Squirrel Status** window will be displayed.



Click on **Squirrel Settings>Intervals** and set **Log Interval** to 30 minutes, that is 00.30.00

Note: the RX250AL only works in Interval Log Mode.

Leave **Sample Interval** at default setting (30sec) . this is interval at which received values are checked for alarming.

>OK

Now **>Disconnect** in the **Eltek Darca Plus** window.

To associate transmitters:

Enable **Darca Plus>Contact wizard>GenII Setup/Transmitter Setup>Next>Modify the Transmitter setup based on the current Squirrel setup(Normal)>Next**

You should see Squirrel Configuration window (Getting Block+).

At the **Squirrel Channel to Transmitter Channel Assignments** window **>Transmitter Setup**.

Ensure TX ^{*1}connected to the LCTX3 and the appropriate COM port is selected before **>OK/(Connect)**

You will now be in **Squirrel Channel to Transmitter Channel Assignments** window.

The top pane is about the transmitter, the bottom pane shows current logger channel assignments. ^{*3}You cannot edit here. You can reallocate TX channels to logger channels here.

In this window you can check serial number match, view battery level and set the ^{*2}TX interval.

Note; TX channels are marked **ABCD** etcõ dependant on number of inputs for the TX connected

Use drop down menu, per channel to set the range. You must click on **Set Channel** to match. (confirmation **√** will appear in Match column). You can **Meter** the channel. The TX channel will be automatically allocated to the first available logger channel. You can reallocate if required.

^{*1} Gaining access to the TX configuration socket; Remove 2 x M3 screws retaining bottom plastic cover. Withdraw battery but do not disconnect. Note orientation of battery to ease reassembly. Inside enclosure find the 3.5mm stereo jack TX configuration socket. When reassembling ensure the battery is installed correctly

^{*2} (preference is to **>Set Log Int & Preferred Tx Int** . this sets the TX interval to the log Interval ÷ 6 for optimum system performance. You can force the TX Interval to a different ratio for special applications.

^{*3} Channels can be edited, e .g given a name, set alarm values, not log etc. in (Contact Wizard) Channel Setup only.

Channel Setup can only be changed when logger is NOT logging.

If you want to create an EU (Engineering Units) range first
> **EU Range** ...in the drop down, then > **Edit EU Range**.
This will open **EU Range Selector**:
Use drop down to select the input range in the >**Helper...**

(Note EU option is not available on all transmitter types)
Enter Values and Units as required >**OK**

In **EU Range Selector**: set **DP Position** as required > **OK**

Repeat with other TX channels.

When completed >**Next Transmitter** or >**Close**
Transmitter Connections - always finish with **Close**
Transmitter Connections.

Follow on screen instructions!

If all OK >**Send to Squirrel** (see block transfer prompt and
close), then >**Disconnect**

Points to remember!

Darca Software can only communicate with the logger
if:-

The RX250AL is inactive (no display -wait for display to clear)
or
Press *Function* button on front panel to step to OUTPUT1 and
display will then immediately clear.

You cannot make changes to RX250AL if logging or
memory is not cleared.

End