



Ref: FAQ-0056

Version: 1.0

Title – LoLog R Quick start guide

Made By: AB_11/08/14

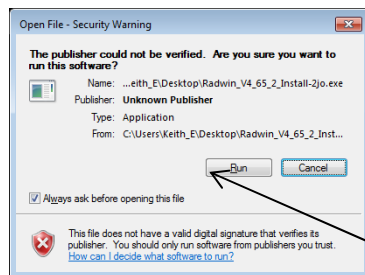
(Issue 2)

Check the parts supplied

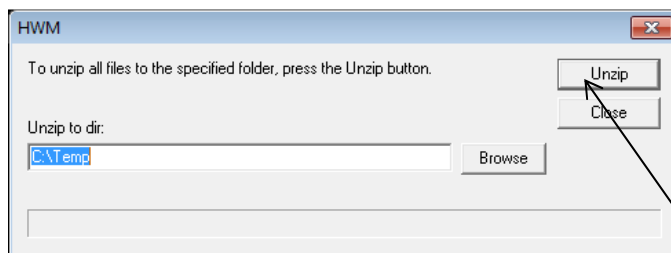
- LoLog R radio data logger
- USB Wireless interface (PN:-553-002) + Antenna
- Radwin 4.67 or greater

Radwin installation

- Download the latest Radwin View Application from the HWM Website (www.hwm-water.com)
- Double-Click the icon to start the Installation process;



Click to install Radwin software.



Click to Unzip to Temp folder.

- Now click <<Radwin>> from the Installer



Click to install Radwin software.

Note Radwin Lite is only for specialist use.

- The I/R Driver is normally installed automatically, however, in case it does not in step 0 below, please click the <<USB I/R Reader Driver>> after the main installation is complete.



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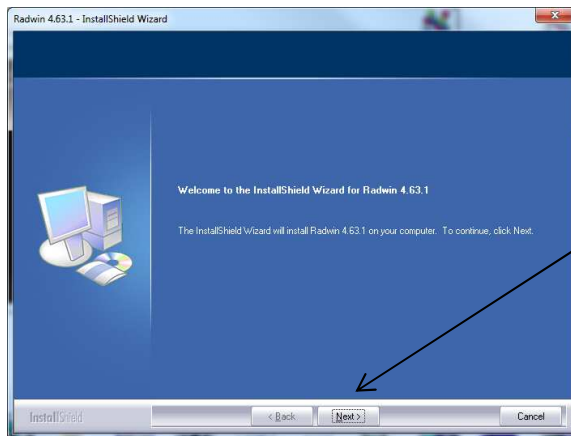
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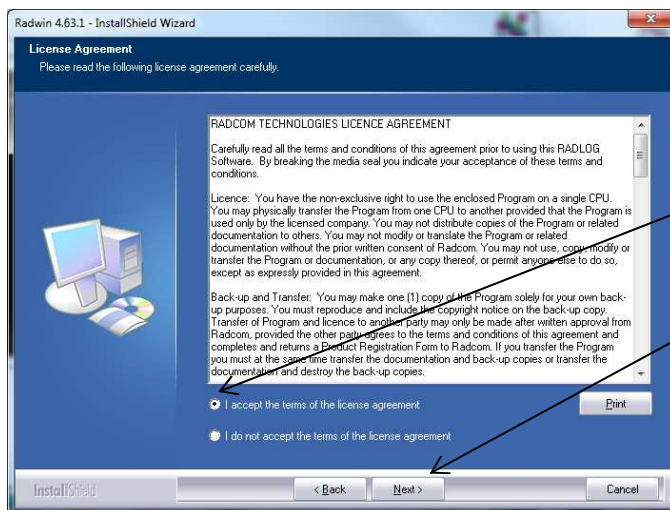
(Issue 2)

5. When prompted by the InstallShield Wizard to install:



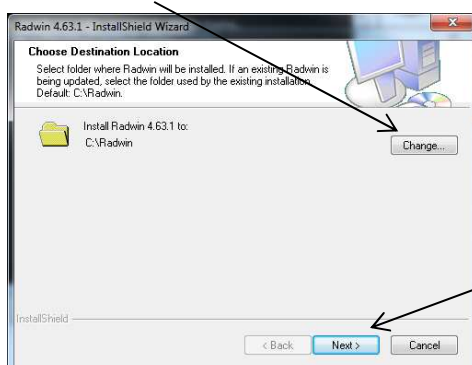
Click <<Next>>

6. Read and agree the terms of the Licence agreement to continue:



Click the <<I accept...>> radio button, then Click<<Next>>

7. Choose the Destination folder you wish to install to by clicking <<Change>>



or to accept the default installation (recommended) click <<Next>>



Note: Ensure that you choose a folder that you have read/write access to. Check with your IT team if you are not sure.



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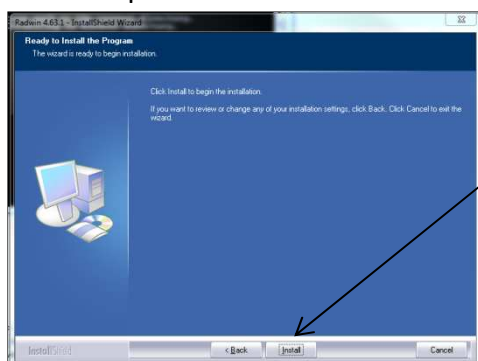
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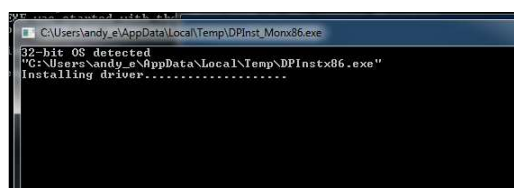
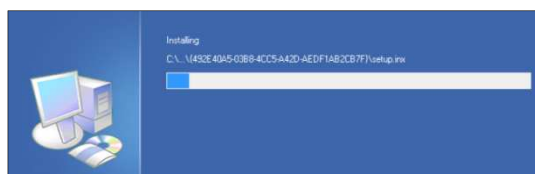
(Issue 2)

The installation process now has all the information it needs to proceed so click <<Install>> to



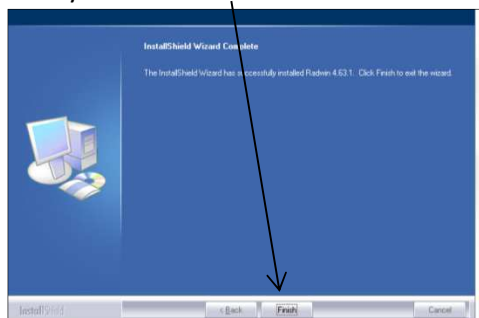
continue

Wait while the installation completes...



and the I/R Driver installs...

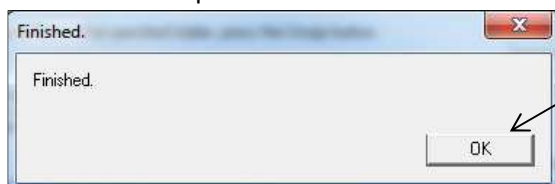
8. Finally click <<Finish>> to close the InstallShield Wizard.



9. Then click <<Exit>> to close the Installer.



10. If you have installed from a downloaded file instead of the CD you will see the extra window below.
The Installation process has now finished so click <<OK>> to confirm.





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First time run of Radwin

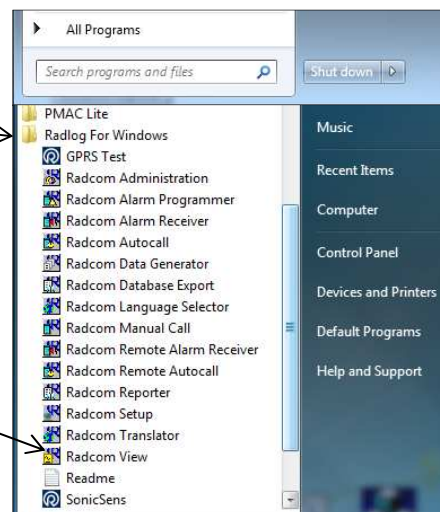
Once you have installed Radwin you need to make some initial setup choices and configurations.

Creating your first Database

1. From the start menu, click <<All programs>> and find the program group “Radlog for Windows”
2. Click <<Radlog for Windows>> to expand the group and then click <<RadcomView>>

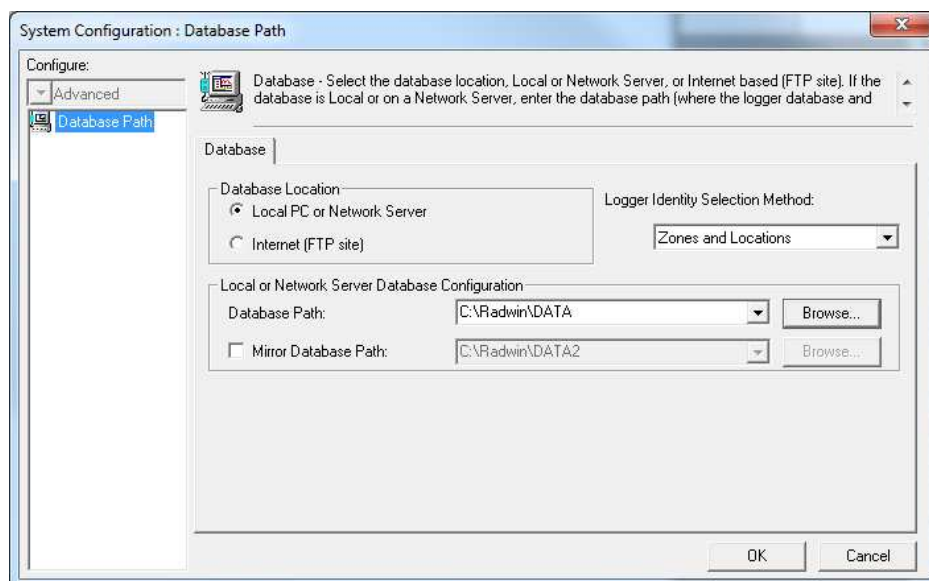


You may wish to “Pin” the program to your taskbar for convenience. To do this, **right** click on the Radcom View icon and select “Pin to Taskbar” from the pop up menu. The program can now be conveniently started from the taskbar.



3. After the program starts you will be automatically prompted to set up a new database path

This is for local storage of configuration information and any data that you may directly download from the logger or from DataGate™ after site installation.





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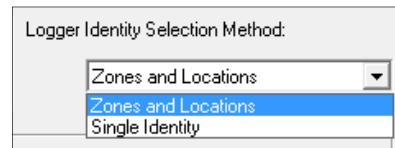
(Issue 2)



A note about Logger Identity Selection Method:-

A logger is identified with a single 7 digit reference ID.
If you select *Single Identity* from the menu then you use the full 7 digits how you like.

E.g. account no, customer number, etc.



can

However, when installing a larger fleet of loggers, Radwin allows you to group individual logger *Locations* into larger *Zones*. This allows for geographic regions (*Zones*) to be easily indexed where large fleets are involved.

So, Locations refer to loggers

Zones contain Locations (loggers)

Many Zones may be created

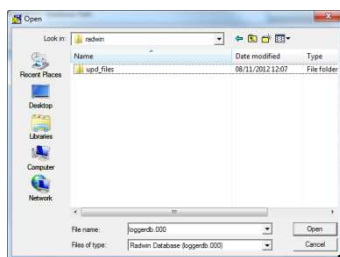
Each Zone may contain many Locations (loggers)

For example, split a town up into Zones then split the Zones up into Locations and deploy loggers within each Zone.

If you choose this (default) option you will be prompted (later on) to decide how the 7 digits are allocated. E.g. ZZ/LLLLL means you can have up to 99 zones with 99,999 loggers in each zone, or ZZZ/LLLL gives 999 zones with 9,999 loggers in each and so on.

In this way you can develop an indexing method to allow you to quickly find sites you wish to examine.

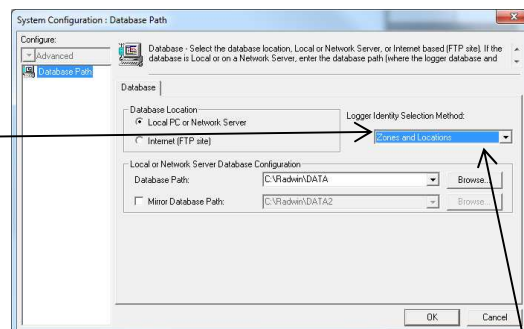
4. From the Logger Identity Selection Method, choose the option as described above.



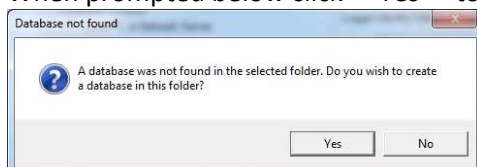
If you wish to

change to location of the folder where the database is stored, click <<Browse...>>

Then navigate to the desired folder and click <<Open>> to choose the folder.



When prompted below click <<Yes>> to confirm the folder choice.





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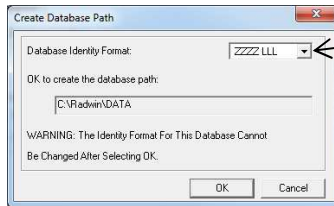
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- Now click <<OK>> to create the database.



If you chose *Zones and Locations* in step 4, chose your format for the ID number. The default is the UK postcode format, e.g. AB12 3CD

Then click <<OK>> to continue.

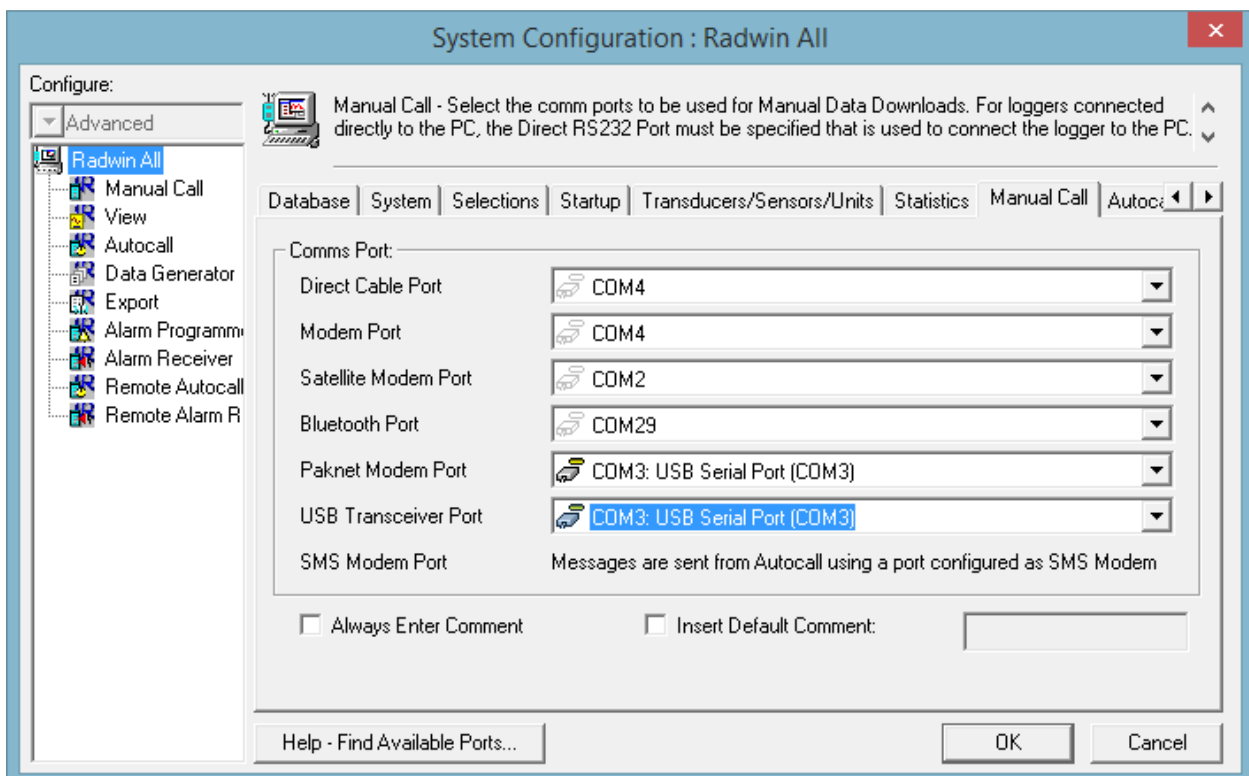


Note: The Database format CANNOT be changed from this point. If you need to change it later you will need to delete the \DATA folder and start again.

If you have upgraded to this edition of Radwin from an earlier version, then the database format that was chosen in the previous edition will be maintained.

Setting up the communications

- Plug in the USB receiver (with the antenna attached) into your PC. Check the COM port number via Device Manager and change it to a port number or 32 or less (Ports -> Port Settings -> Advanced).
- Open Radwin and set the comms port for the USB Receiver in Configuration > Advanced Configuration > Radwin All > Manual Call tab (when you plug in the Receiver to your PC USB port you should be able to identify it in the Drop down for USB Transceiver Port -





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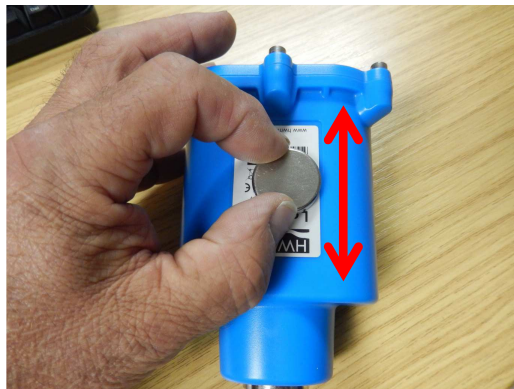
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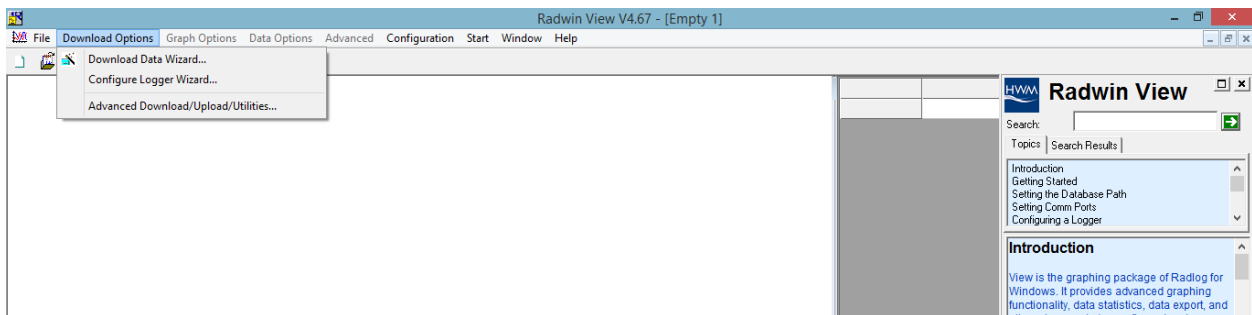
(Issue 2)

Communicating with the LoLog R and configuration

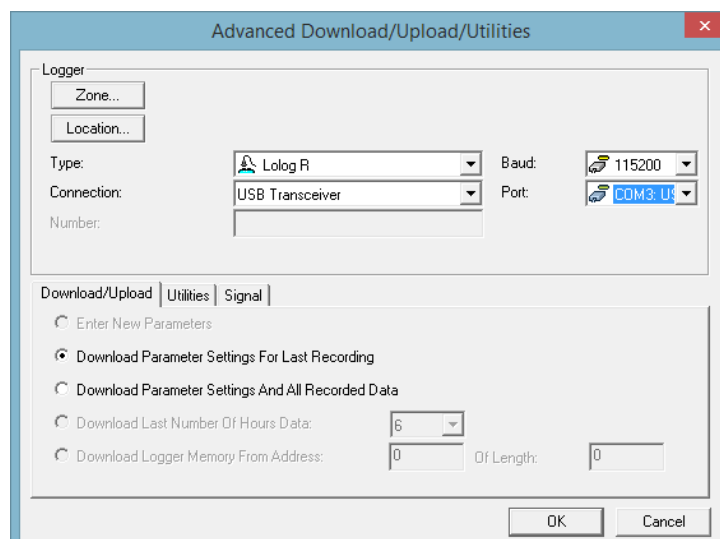
1. Slide a magnet in a swiping motion over the label of a new LoLog R to 'wake it up' out of transport 'sleep' mode .



2. In Radwin View select Download Options . Advanced Download / Upload / Utilities



3. At the Advanced Download / Upload / Utilities screen select Type : LoLog R from the drop down, Connection type - USB Transceiver , the correct Com port and a baud rate of 115200. -





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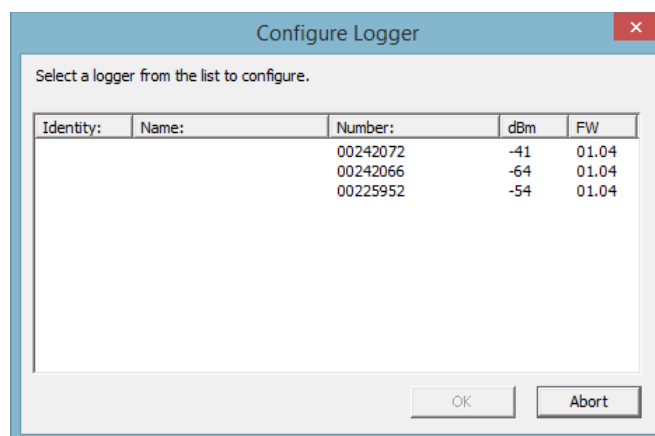
Version: 1.0

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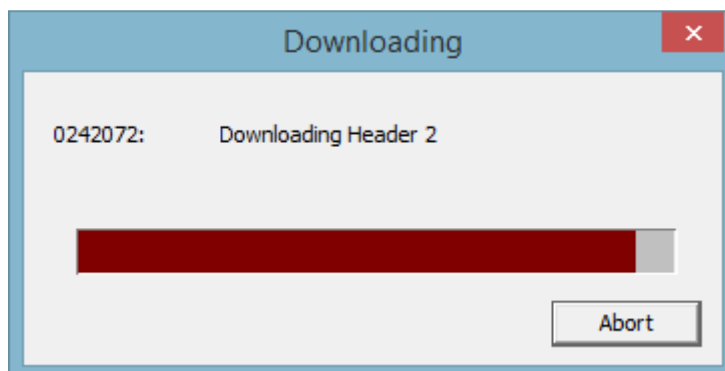
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(Issue 2)

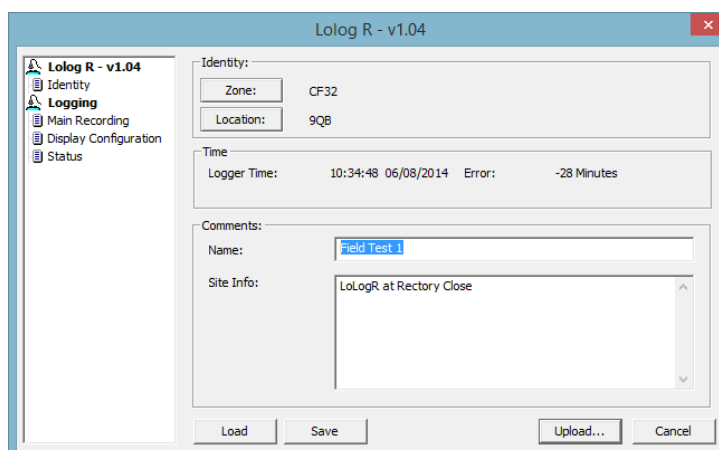
4. Select OK
5. The Software will locate all LoLog R's in the vicinity by Serial number -



6. Highlight the serial number of the logger you want to configure then select OK (Stated on the label)
7. If prompted to upgrade the firmware at this step select 'Yes'.
8. The software will then download the logger configuration



9. Once downloaded you will see the screen below -



10. Select Identity and Edit the zone and location details to suit your database -



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Lolog R - v1.04 - Identity

Identity:

Zone: CF32

Location: 9QB

Time

Logger Time: 10:34:48 06/08/2014 Error: -28 Minutes

Comments:

Name: Field Test 1

Site Info: LoLogR at Rectory Close

Load Save Upload... Cancel

11. Select Main recording -

Ensure the start time and date is before current to ensure the logger starts when it is uploaded
Enter sample rate (15 minutes is normal), and ensure channels are enabled by ticking the boxes, as required -

Lolog R - v1.04 - Main Recording

Record

Record Start Time: 11:50:00 06/08/2014

Record Stop Time: 00:00:00 30/11/1999

Sample Rate: 00:15:00

☐ Enable Stop ☐ Block Memory ☒ Cyclic Memory

Logging Mode

Channel 1: ☒ Enabled Count Standard

Channel 2: ☒ Enabled Count Standard

Load Save Upload... Cancel



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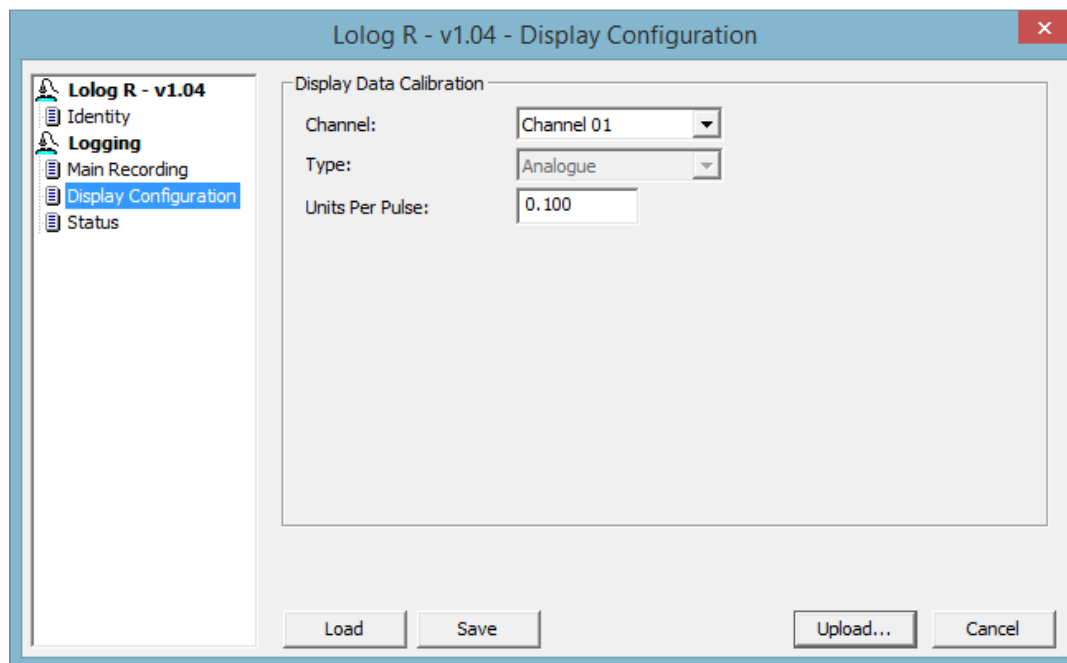
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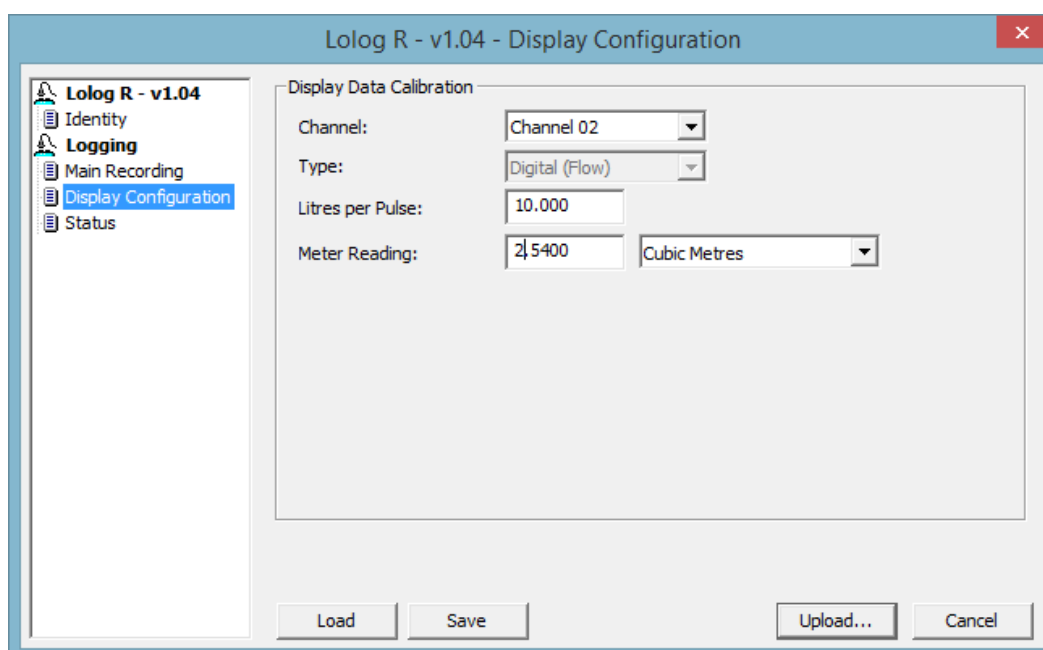
(Issue 2)

12. Select Display Configuration –

Select Channel 1 from the drop down (Pressure Channel – if fitted) select units per pulse = 0.1



Select Channel 2 from the drop down (Flow Channel -if fitted) and select units per pulse to suit the sensor/meter to which the flow channel is connected (usually 1 or 10 or 100 litres per pulse). Apply the current meter reading if required.





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13. Select Upload –

At the Upload screen check the Main recording and Restart , General parameters, and Update logger time boxes and select OK –

Upload Parameters

Logger

Zone... CF32

Location... 9QB

Type: Lolog R

Connection: USB Transceiver

Number:

Baud: 115200

Port: COM4

Options

☒ Main Recording and Restart

☒ General Parameters

☒ Update Logger Time

☐ Stop Main Recording

Update Logger Time as: PC Time

OK Cancel

14. The configuration will be uploaded to the logger -

Configure Logger

0242072: Uploading - Site Info:2

Abort

15. At the following screen the logger configuration is now complete and the logger is recording –

Advanced Download/Upload/Utilities

Logger

Zone... CF32

Location... 9QB

Type: Lolog R

Connection: USB Transceiver

Number:

Baud: 115200

Port: COM4

Download/Upload Utilities Signal

☐ Enter New Parameters

☒ Download Parameter Settings For Last Recording

☐ Download Parameter Settings And All Recorded Data

☐ Download Last Number Of Hours Data: 6

☐ Download Logger Memory From Address: 0 Of Length: 0

OK Cancel



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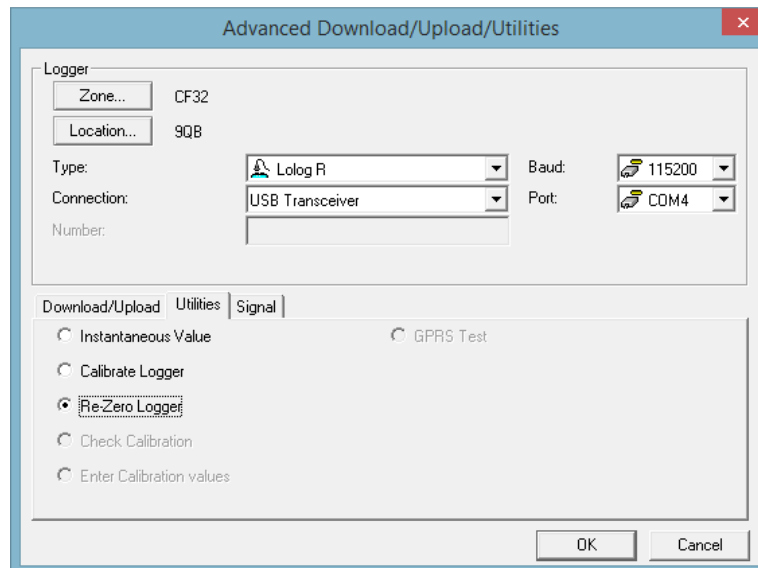
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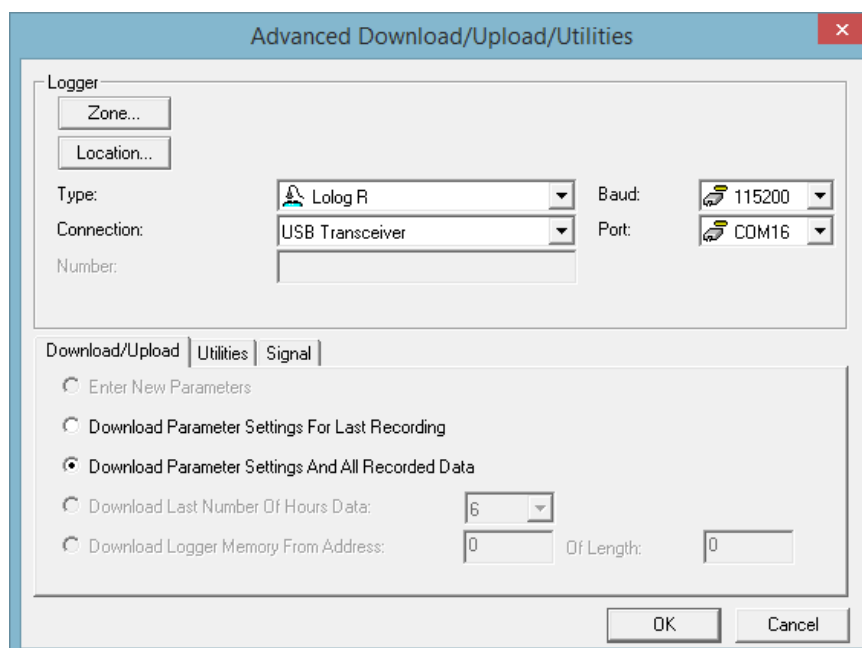
16. If you have a pressure logger use the Utilities tab and Re-Zero the loggers transducer -



17. The logger can now be installed and it will record data for the channels that are enabled and connected.

Downloading data from the LoLog R

1. To download the logger connect the USB Wireless Interface to your PC and open Radwin View – connect to the logger as you did when configuring it.
2. Select the Advanced Download/ Upload /Utilities function and the 'Download Parameter settings and all recorded data feature.' -





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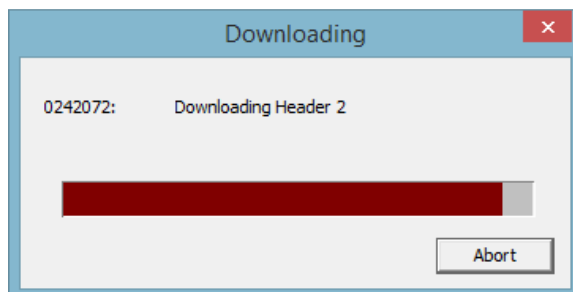
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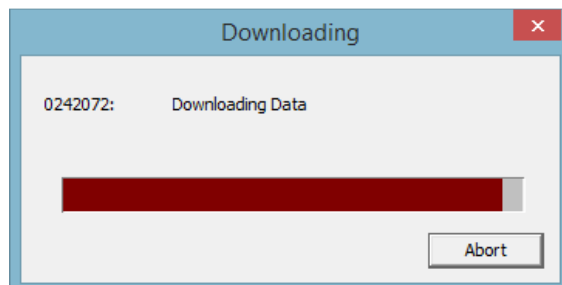
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(Issue 2)

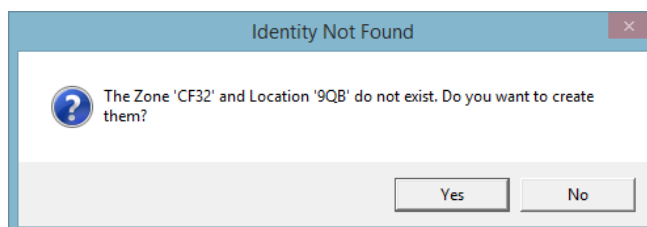
Then select OK to start the download -



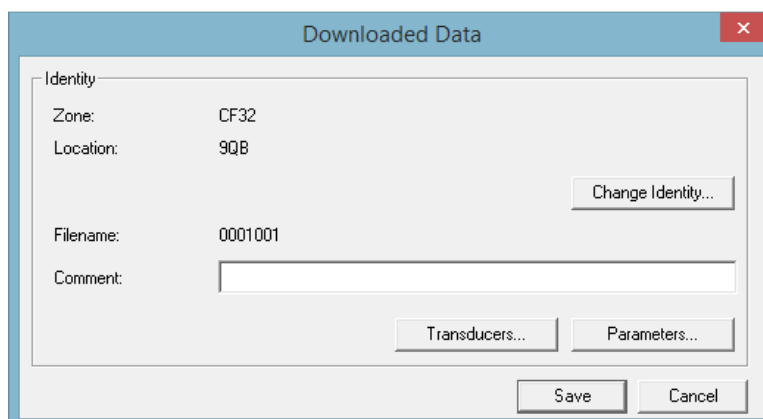
First the logger details will download (above) followed by the Data -



If you did not use this computer to configure the logger you will see this message -



Select 'Yes' to create the loggers details in the Radwin database so the data can be stored –



If required add a note as to the data which is being downloaded and select 'Save' and you will see a graph of the downloaded data –



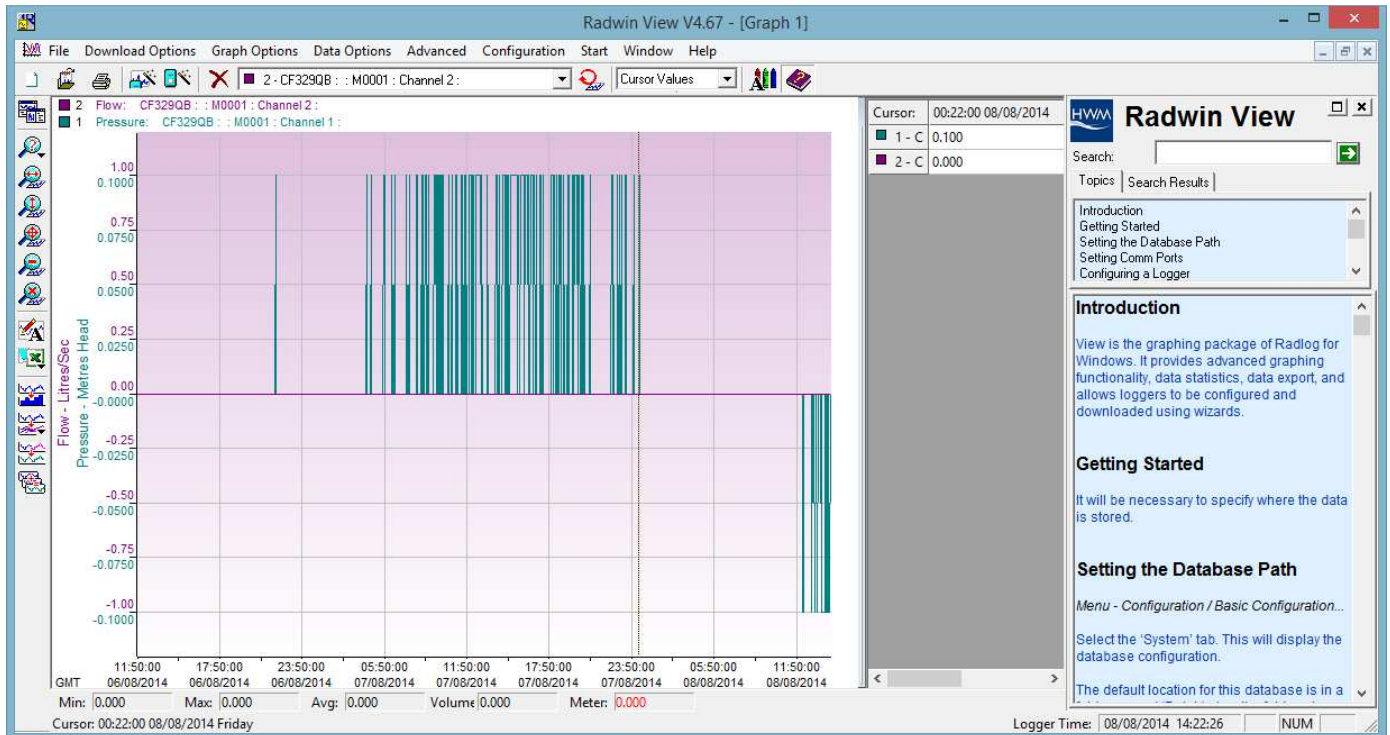
Ref: FAQ-0056

Version: 1.0

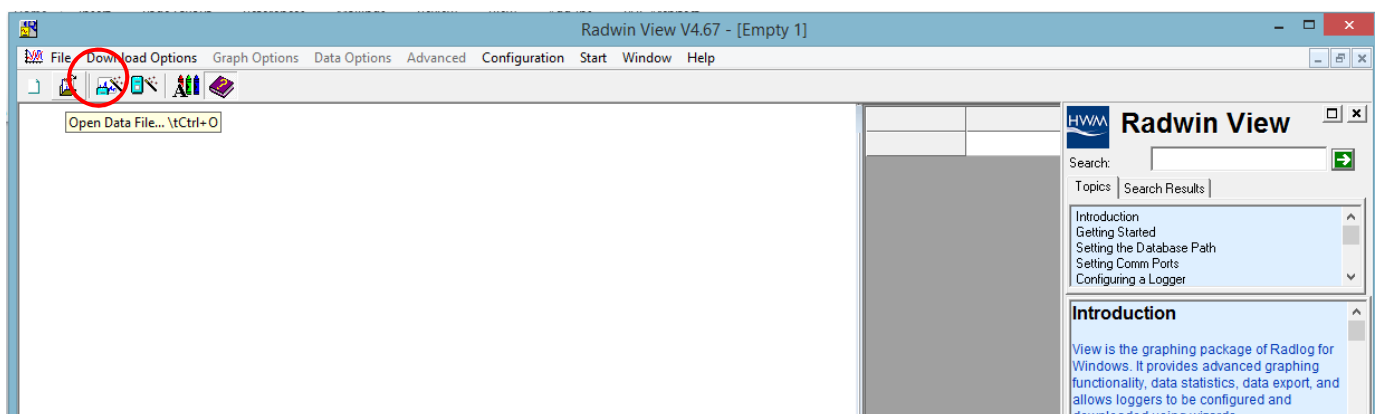
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(Issue 2)



Once you have closed the graph or the session and you want to retrieve the graph again open Radwin View and select the Open Data File icon –



Select 'Data File' and then locate the logger by its Zone and location ID and click on the data file - (in the example below it is the data file M000 1 08/08/14 but all data files are identified by the date of download and the data date range)



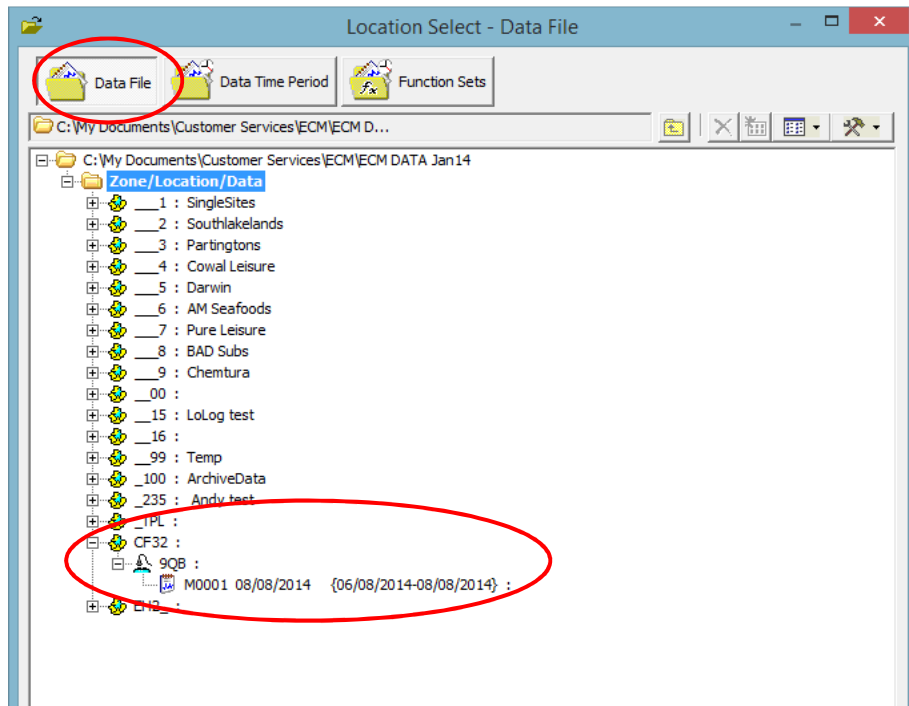
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(Issue 2)



Highlight the data file and click to open the graph of the data for viewing again.

Document History:

Edition	Date of Issue	Modification	Notes
1st	06/08/14	RELEASE	
2nd	11/08/14	Scope updated	