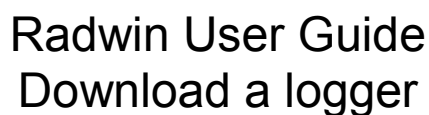




Radwin Download a logger



Keep this record in the front of the User Manual. When the document has been amended write the amendment number, the date, the paragraph numbers affected by the amendment and your initials in the table below.

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Download a logger

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Introduction

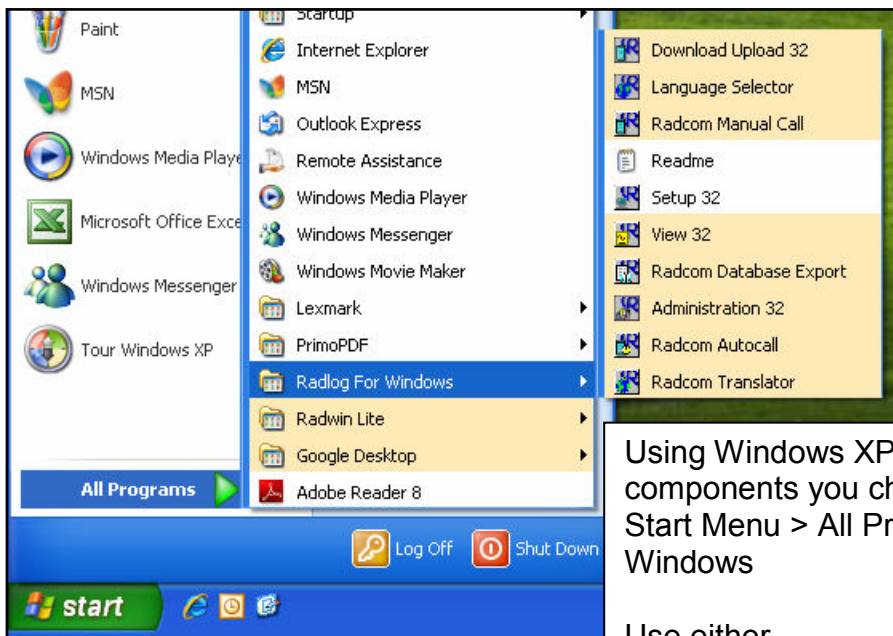
This guide will help you download a Radcom data logger so that you can save the data it has recorded.

Recordings can be downloaded with Radwin Lite, Radwin Manual Call or Radwin View.

All three applications have easy to use Wizards which guide you step by step through the download process.

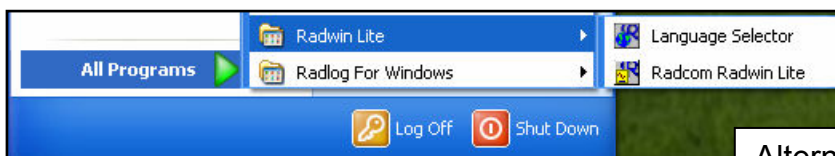
To download a logger without using a Wizard use Manual Call Advanced Download Upload Utilities.

Using Radwin Wizards



Using Windows XP you will find the Radwin components you chose to install on the Start Menu > All Programs > Radlog for Windows

Use either
Radcom Manual Call
or
View32



Alternatively use Radwin Lite which is also on the Start Menu



A window similar to this will appear on the screen.

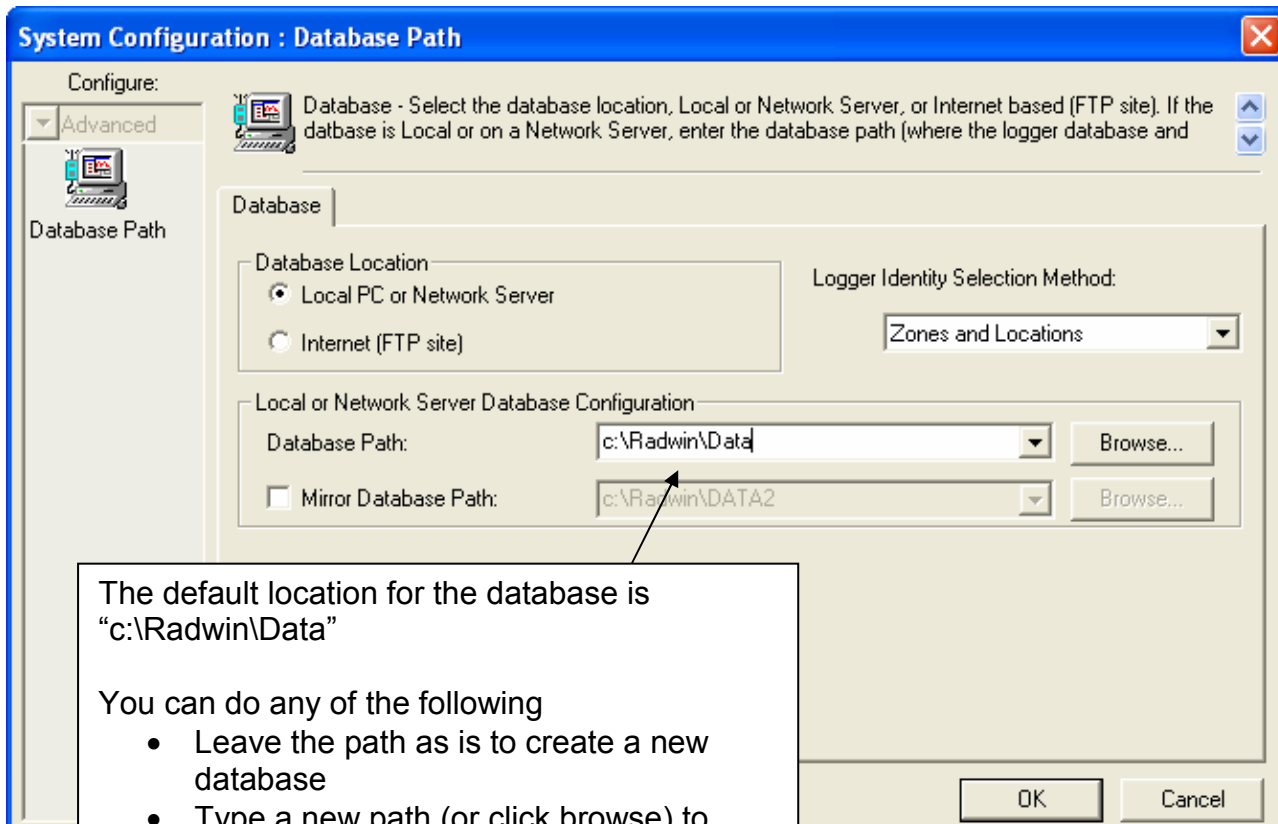
Wait a couple of seconds and it will disappear, or click Cancel to remove it from the screen more quickly.

Continued...

Setting Up a Database

If a database has been setup for Radwin then the application will be ready to use, and none of the steps below will be required.

If you have not run Radwin on this PC before, or if the database has moved you will see this screen.



System Configuration : Database Path

Configure:

Advanced

Database Path

Database - Select the database location, Local or Network Server, or Internet based (FTP site). If the database is Local or on a Network Server, enter the database path (where the logger database and

Database

Database Location

☒ Local PC or Network Server

☐ Internet (FTP site)

Logger Identity Selection Method:

Zones and Locations

Local or Network Server Database Configuration

Database Path: c:\Radwin\Data Browse...

Mirror Database Path: c:\Radwin\DATA2 Browse...

OK Cancel

The default location for the database is "c:\Radwin\Data"

You can do any of the following

- Leave the path as is to create a new database
- Type a new path (or click browse) to locate your database elsewhere
- Change the path to the location of an existing Radwin Database *

Then click OK

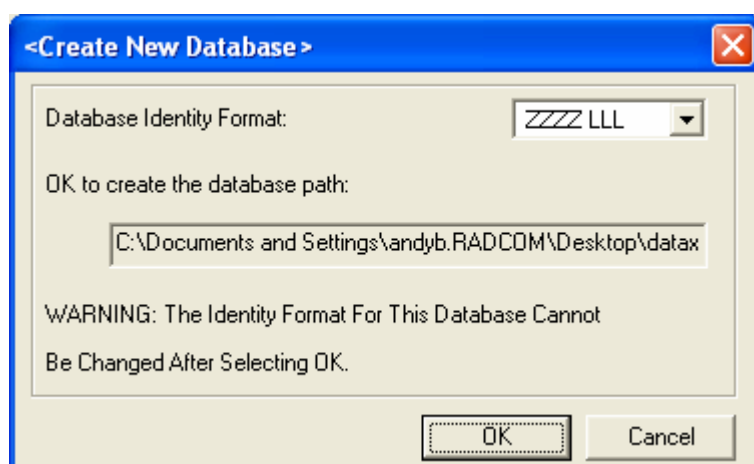
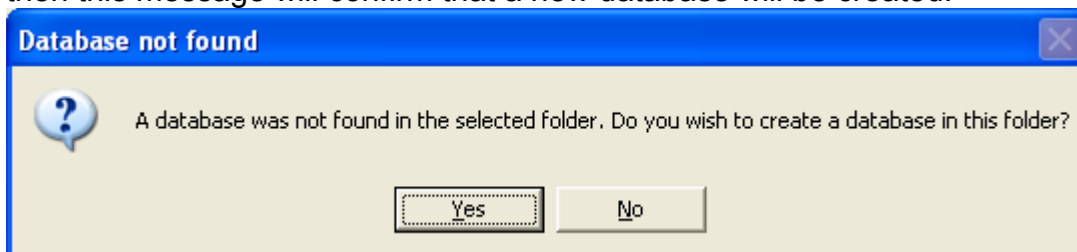
*If you change the path to an existing database then the system configuration screen will close (after you click ok) and the application will be ready to use.

Continued...

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Download a logger

If you choose to change the path to a new location (without any Radwin database files) then this message will confirm that a new database will be created.



The default database identity format is fine in the majority of cases.

If you change it, then it can not be changed afterwards.

Radcom recommends keeping the default format (ZZZZ LLL) unless you have been advised that you will need a different format.

Click OK

After clicking OK the database files will be created and application will be ready to use.

Wizard Icons

Radcom View



Radwin Lite



Manual Call Wizard



All three applications share the same wizard icons.
On the left – Download Data Wizard
On the right – Configure Logger Wizard



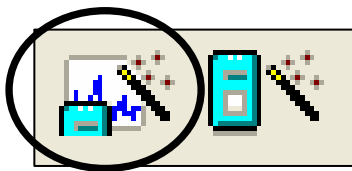
Manual Call also has an icon for
Advanced Download / Upload /
Utilities



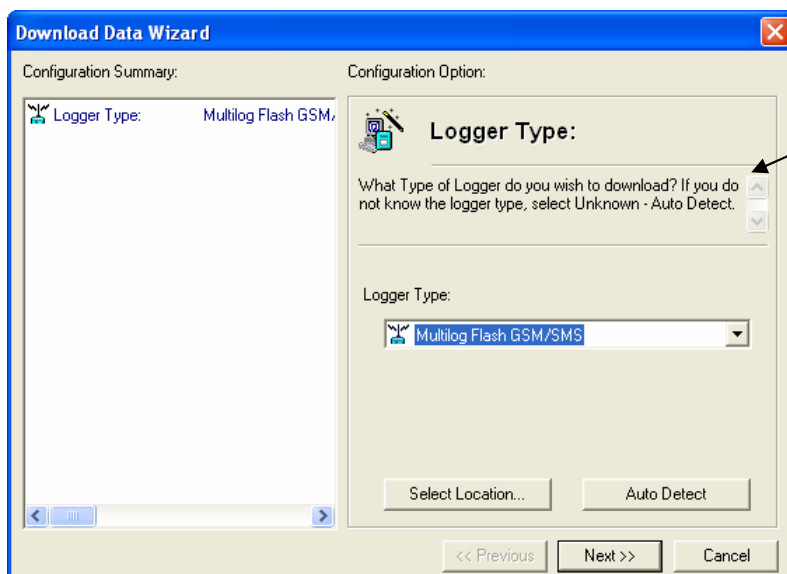
Using Download Data Wizard

Downloading Data

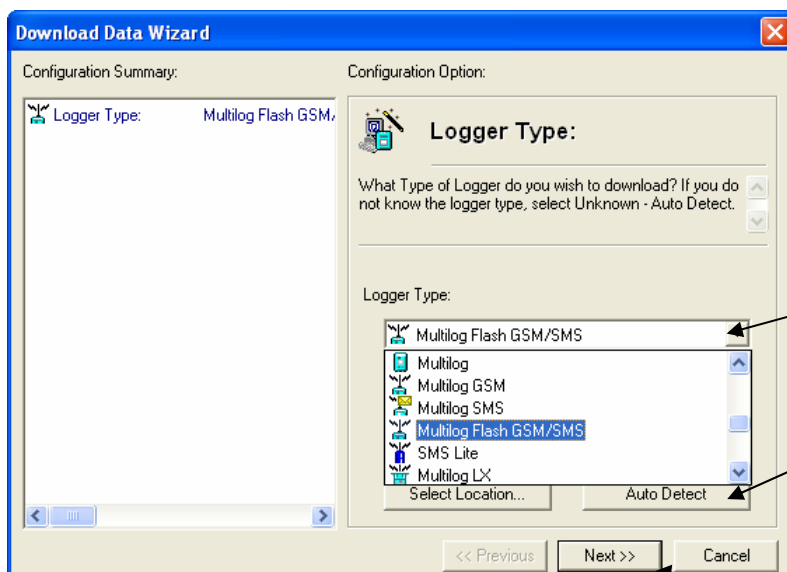
Connect the logger to the computer using the appropriate communication cable.



Click the Download Data Wizard icon



All the way through the configuration process there are instructions to help you here...

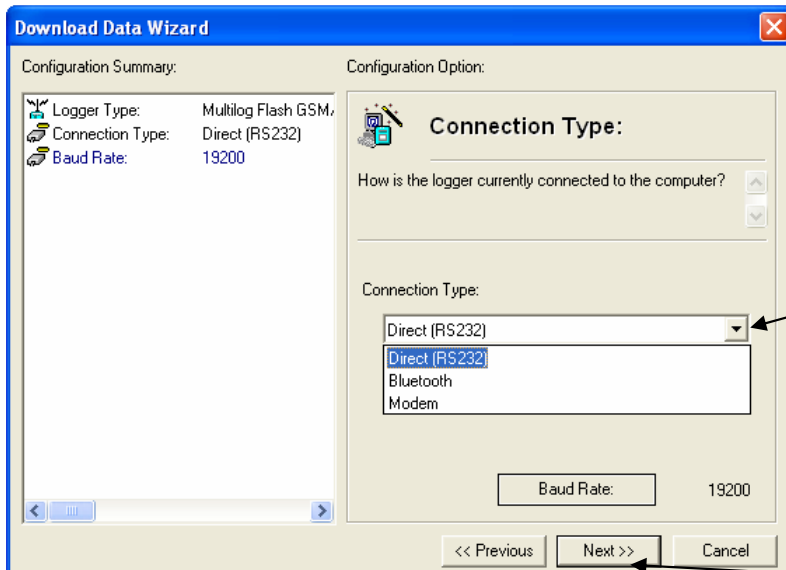


Use the dropdown menu to select the logger you have connected.
Or click Auto Detect if you are not sure.

Click Next

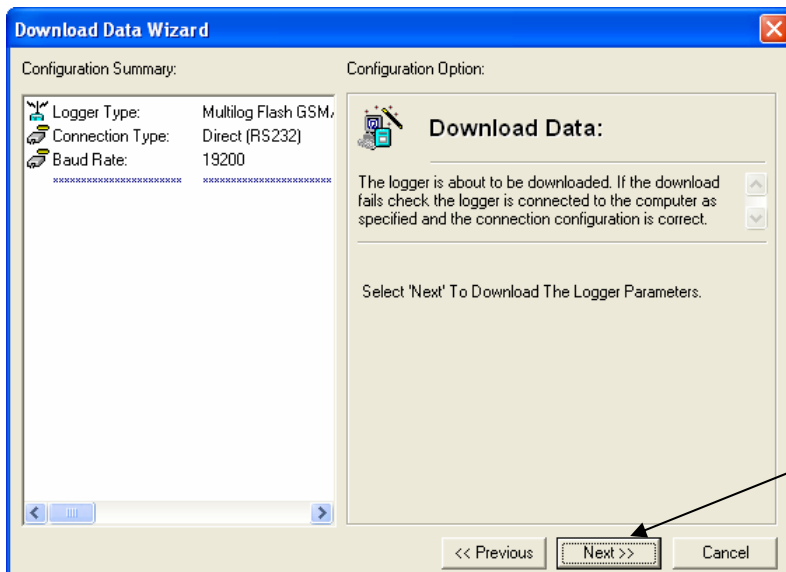
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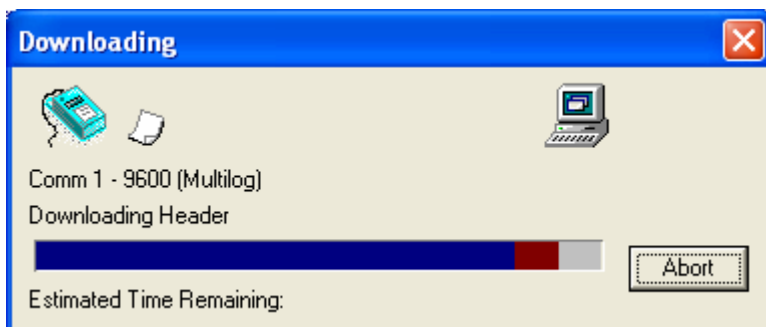
Use the dropdown menu to select the connection type.

Click Next




If you select modem you will be asked to enter the phone number.

Click Next to download the current logger parameters



The recording parameters and recorded data have now been downloaded from the logger.

Follow the remaining instructions to save the data.



Download Data Wizard

Configuration Summary:

- Logger Type: Multilog Flash GSM,
- Connection Type: Direct (RS232)
- Baud Rate: 19200
- Logger Type: Multilog Flash GSM,
- Zone: _20 : Bridge Road
- Location: 000 : Main Outlet

Configuration Option:

Logger Identity

The Zone is the first part of the logger identity, and is used for grouping loggers within the software. The Location is the second part of the logger identity, and identifies a

Zone Identity

Identity: _20 Select...

Name: Bridge Road

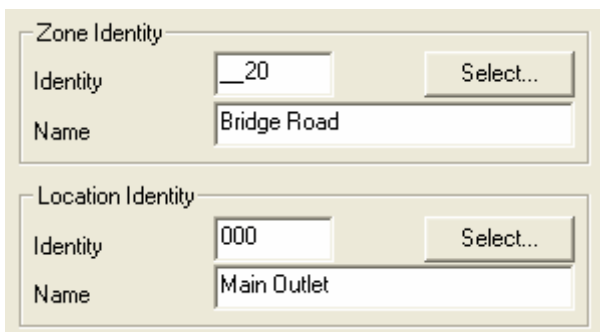
Location Identity

Identity: 000 Select...

Name: Main Outlet

<< Previous Next >> Cancel

Zone and Location



Zone Identity

Identity: _20 Select...

Name: Bridge Road

Location Identity

Identity: 000 Select...

Name: Main Outlet

The Zone is the first part of the logger identity, and is used for grouping loggers within the software.

The Location is the second part of the logger identity, and identifies a logger within a Zone.

The information displayed above is a combination of data from the logger and your Radwin database. The logger stores the Zone and Identity number, and the names have been extracted from the corresponding record in the database.

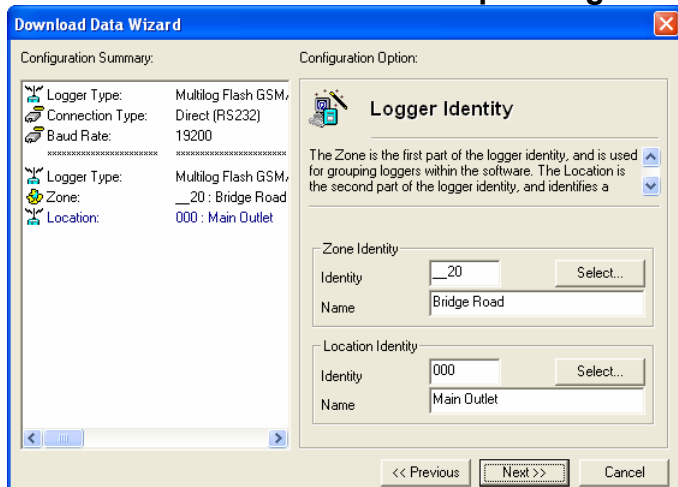
Further options are available. See the next page of this manual for details.

Choosing a Zone and Location for saving the data

After downloading a logger the data can be saved in the following ways

- Within the corresponding zone and location number in the database
- Within a different zone and / or location in the database
- Within a new zone and / or location in the database

Save the data within the corresponding zone and location in the database



If after you have downloaded the logger the zone and location names are filled in this means there is a corresponding zone and location in your Radwin database.

This is likely to happen if you download the logger using the PC you set it up with,

Click Next to save the data in this location.

Save the data within a different zone and / or location in the database

Zone Identity

Identity

Name

Location Identity

Identity

Name

If you want the data saved in a different zone / location click Select

Select Database Location

Type: Zones/Locations - Select the required Zone, followed by the required Location from the list. To Edit, Delete, or Create a new item, select the 'Tools' button, or right click the mouse on


Zones/Locations

Identity	Name
_10	Radio Test
_20	Bridge Road

_20 Bridge Road

A list of Zones from within the Radwin database will be displayed.

Double click the required Zone to see the locations within.

 Should you need to return to the list of Zones click the Up One Level button.

Double click the location you require.

Select Database Location

Type: Zones/Locations - Select the required Zone, followed by the required Location from the list. To Edit, Delete, or Create a new item, select the 'Tools' button, or right click the mouse on

_20 : Bridge Road

Identity	Name
000	Main Outlet
001	Main Inlet

001 Main Inlet

Download Data Wizard

Configuration Summary:

- Logger Type: Multilog Flash GSM,
- Connection Type: Direct (RS232)
- Baud Rate: 19200
- Logger Type: Multilog Flash GSM,
- Zone: _20 : Bridge Road
- Location: 001 : Main Inlet

Configuration Option:

Logger Identity

The Zone is the first part of the logger identity, and is used for grouping loggers within the software. The Location is the second part of the logger identity, and identifies a

Zone Identity

Identity

Name

Location Identity

Identity

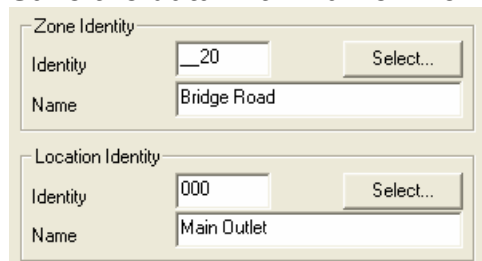
Name

<< Previous Next >> Cancel

The Zone and Location information should have changed within the boxes on the right, and the information on the far left should also reflect this.

Click Next to continue.

Save the data within a new zone and / or location in the database

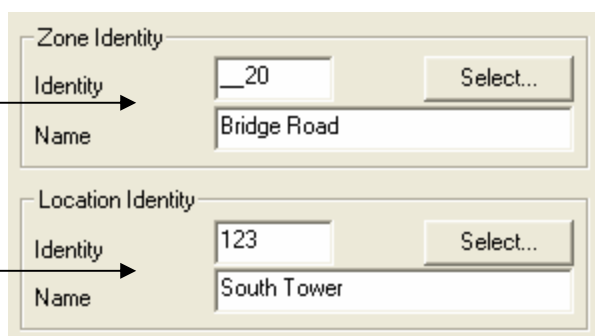


To save the data in a brand new zone and location just change the details shown in the Zone and Location identity boxes.

If the zone and location do not exist they will automatically be created.

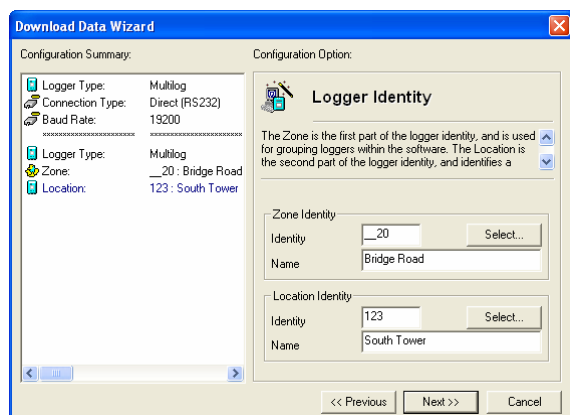
Type a new Zone number and name here

Type a new Location number and name here



A new zone and location will be created in your database using the information you provide in the boxes above.

If the identity number information you provide corresponds to a zone and location which already exist in your database then the data will be saved in the existing location.

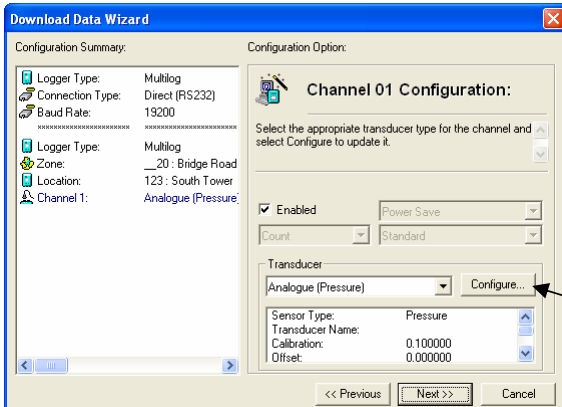


The data will be saved using the Zone and Location information you entered.

Click Next to continue saving.

Checking channel configuration

Each channel on the logger has corresponding configuration settings held on the Radwin database. The following steps on the Wizard allow you to change the channel configuration settings.



Download Data Wizard

Configuration Summary:

- Logger Type: Multilog
- Connection Type: Direct (RS232)
- Baud Rate: 19200
- Zone: 20 : Bridge Road
- Location: 123 : South Tower
- Channel 1: Analogue (Pressure)

Configuration Option:

Channel 01 Configuration:

Select the appropriate transducer type for the channel and select Configure to update it.

☒ Enabled Power Save

Count: Standard

Transducer: Analogue (Pressure) Configure...

Sensor Type: Pressure

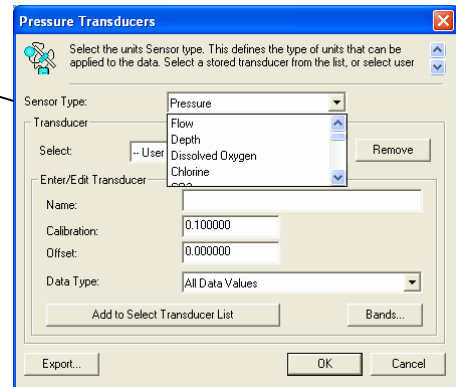
Transducer Name: 0.100000

Calibration: 0.000000

Offset: 0.000000

<< Previous Next >> Cancel

On this example Channel 1 is pressure. I could click next if I am happy to accept the default settings. If I click Configure I could if required change from Analogue Pressure to Depth or a variety of other different analogue sensors.



Pressure Transducers

Select the units Sensor type. This defines the type of units that can be applied to the data. Select a stored transducer from the list, or select user

Sensor Type: Pressure

Transducer: Flow Depth Dissolved Oxygen Chlorine Remove

Select: -- User --

Enter/Edit Transducer

Name:

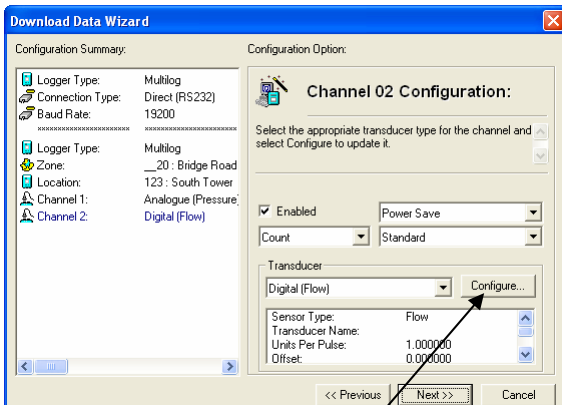
Calibration: 0.100000

Offset: 0.000000

Data Type: All Data Values

Add to Select Transducer List Bands...

Export... OK Cancel



Download Data Wizard

Configuration Summary:

- Logger Type: Multilog
- Connection Type: Direct (RS232)
- Baud Rate: 19200
- Zone: 20 : Bridge Road
- Location: 123 : South Tower
- Channel 1: Analogue (Pressure)
- Channel 2: Digital (Flow)

Configuration Option:

Channel 02 Configuration:

Select the appropriate transducer type for the channel and select Configure to update it.

☒ Enabled Power Save

Count: Standard

Transducer: Digital (Flow) Configure...

Sensor Type: Flow

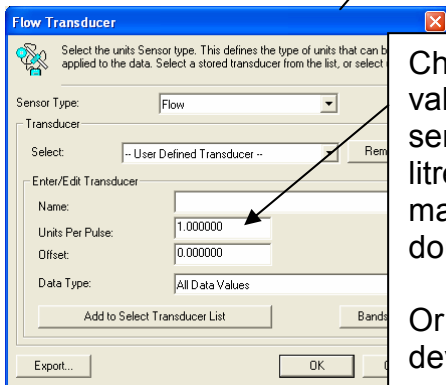
Transducer Name: 1.000000

Units Per Pulse: 0.000000

Offset: 0.000000

<< Previous Next >> Cancel

On this example Channel 2 is flow. I could click next if I am happy to accept the default settings. If I click Configure I could if required change the units per pulse value.



Flow Transducer

Select the units Sensor type. This defines the type of units that can be applied to the data. Select a stored transducer from the list, or select user

Sensor Type: Flow

Transducer: -- User Defined Transducer -- Remove

Select: -- User Defined Transducer --

Enter/Edit Transducer

Name:

Units Per Pulse: 1.000000

Offset: 0.000000

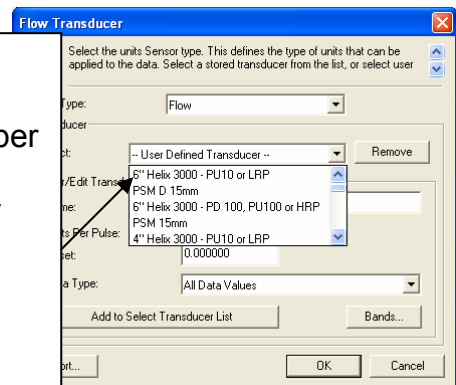
Data Type: All Data Values

Add to Select Transducer List Bands...

Export... OK Cancel

Change the Units per pulse value here. Different metre sensors give different pulses per litre values. Check with the manufacturer if you are in any doubt.

Or select your metre and flow device on the list.



Flow Transducer

Select the units Sensor type. This defines the type of units that can be applied to the data. Select a stored transducer from the list, or select user

Sensor Type: Flow

Transducer: -- User Defined Transducer -- Remove

Select: -- User Defined Transducer --

Enter/Edit Transducer

Name:

Units Per Pulse: 1.000000

Offset: 0.000000

Data Type: All Data Values

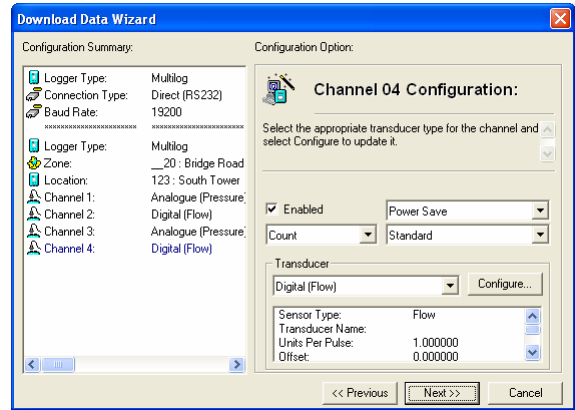
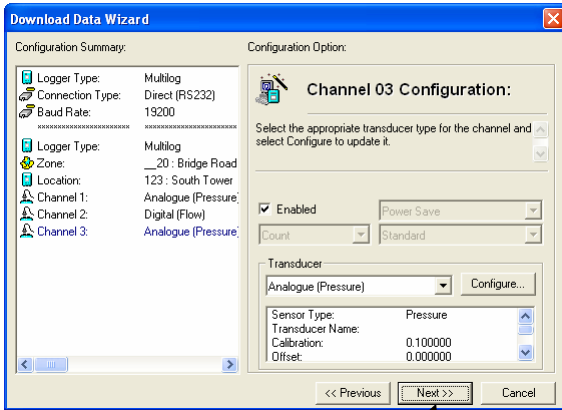
Add to Select Transducer List Bands...

Export... OK Cancel

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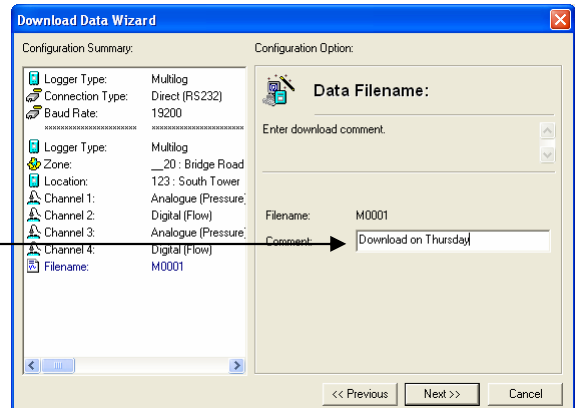
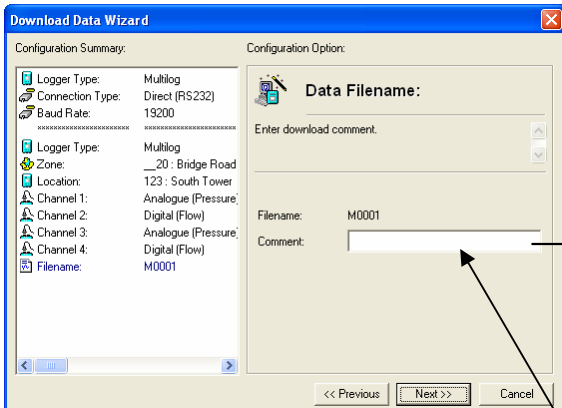
Each recording channel has its own configuration settings which can be adjusted. On my example the logger has four channels. Each is configured as explained previously.



Press Next to progress through the wizard.

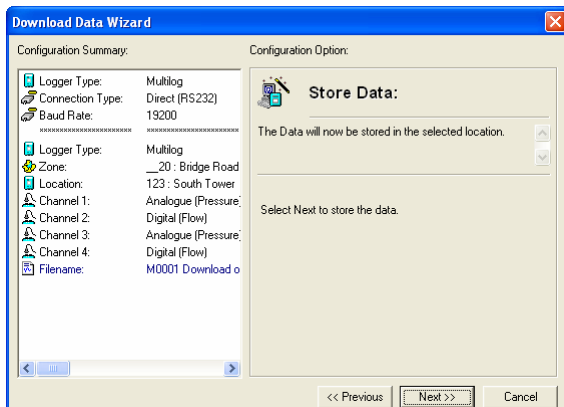
Adding a comment to the data file

Each time you manually download a logger you will be able to add a comment to the data file. This comment is visible when you are selecting the file you want to view.

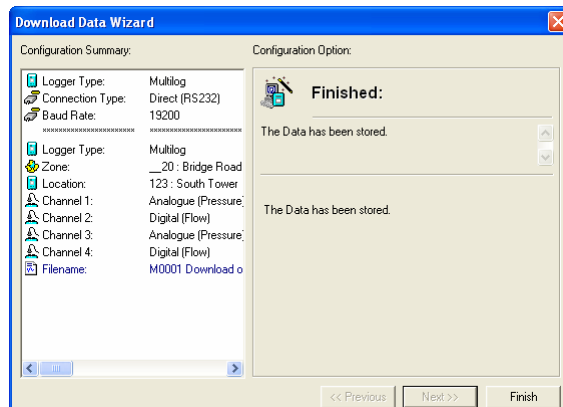


Adding a comment is optional. Should you want to add a comment do so in this box, and the click Next.

Storing the data and Finishing



After adding a comment the data will be stored. Click Next



The process is now complete. Click Finish and you will be returned to the main program window.

Start Other Radwin Programs

Click the Start Menu at the top of the main Setup screen.
Click the component you need to use.

