

D THOMSON OCTOBER 2010. REVISION 1.0

Launch The Radcom View Program



On the next screen that opens, select your logger type from the drop down box.



If in doubt as to logger type, select autodetect



Configure Logger Wizard	×	
Configuration Summary:	Configuration Option:	
Logger Type: Multilog Flash GSI Connection Type: Direct (RS232) Baud Rate: Baud Rate: 1920	Mr Connection Type: How is the logger currently connected to the computer?	
	Connection Type:	IF YOU ARE
< <u> </u>	Baud Rate: 19200	CONNECTED DIRECTLY TO THE LOGGER LEAVE AS THIS
	<< Previous Next >> Cancel	OPTION
SELEC		
SELEC		

onfigure Logger Wizan	d		×	
Configuration Summary:		Configuration Option:		
Logger Type: Connection Type: Baud Rate: ************************************	Multilog Flash GSM, Direct (RS232) Baud Rate: 19200	Analyse Logger: The logger is about to be downloaded. If the fails check the logger is connected to the specified and the connection configuration. Select 'Next' To Download The Logger P	the download computer as n is correct.	
•	Þ	CC Provinue		
	SEL	ECT THE NEXT BU	TTON TO E	DOWNLOAD T



YOU SHOULD NOW SEE THE ABOVE SCREEN SHOWING THE CURRENT LOGGER PARAMETERS BEING TRANSFERED TO YOUR COMPUTER

Configure Logger Wizard		×	
Configuration Summary:	(Configuration Option:	
Logger Type: M Connection Type: D Baud Rate: B XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Aultilog Flash GSM, Direct (RS232) Baud Rate: 19200 Aultilog Flash GSM, SW99 : 156 :	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: Colect Identity: SW99 Name: Location: Identity: 456 Name:	ENTER AN INDIVIDUAL ZONE IDENTITY (4 DIGITS) AND LOCATION IDENTITY (3 DIGITS)
,		<< Previous Next >> Cancel	
	SELECT	THE NEXT BUTTON	
	D Tho	omson revision 1.0	

SELECT THE SMS MODEM OPTION FROM THE DROPDOWN BOX



Configure Logger Wizard	Ŀ	×
Configuration Summary:		Configuration Option:
 Logger Type: Connection Type: Baud Rate: Logger Type: Zone: Location: Connection Type: Telephone Number: Channel 1: 	Multilog Flash GSM, Direct (RS232) Baud Rate: 19200 Multilog Flash GSM, SW99 : 456 : SMS Modem +441234567890 Digital (Flow)	Channel 01 Configuration: Enable the channel if required and set the logging mode for digital channels. Select the required transducer type and select Configure to update it. SMS WARNING:
< III	Þ	Transducer Digital (Flow) Sensor Type: Flow Transducer Name: Units Per Pulse: 1.000000 Offset: 0.000000

ON THIS NEXT SCREEN SELECT CONFIGURE



CHECK THE MANUFACTURERS SPEC FOR YOUR TIPPING BUCKET SPECIFICATION. IN THIS CASE THE BUCKET WILL TIP ONCE FOR EVERY 0.2MM OF RAINFALL.

ONCE YOU HAVE COMPLETED ALL OF THE ABOVE STEPS SELECT OK

D Thomson revision 1.0

THE CHANNEL

FOR



You may specify a future date and time when you want the logger to start logging, otherwise leave as a past date to start logging right away

By enabling this option you can specify a stop date above when you want to stop logging

Cyclic will fill the memory then start overwritting the oldest data Block memory will fill the memory then stop logging

SELECT THE NEXT BUTTON TO CONTINUE

Configure Logger Wizar	d	×
Configuration Summary:		Configuration Option:
Connection Type:	Multilog Flash GSM, Direct (RS232) Baud Bate: 19200	GSM Callout Numbers:
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	××××××××××××××××××××××××××××××××××××××	These are the telephone numbers that the logger may dial to send data. Normally only 1 number is required, and will be the number of a modern being used by autocall.
Connection:	456 : SMS Modem +441234567890 Digital (Flow)	Number
 Record Start Time: Memory Mode: 	14:00:00 12/08/20 ⁻ Cyclic Memory	ige (02) B≥ (03) B≥ (04)
< <u></u>	•	Load Edit Selected List Item << Previous
<u></u>		/

Double click the first entry point

Configure Logger Wizard	
Configuration Summary:	Configuration Option:
Logger Type: Multilog Flash GS1 Connection Type: Direct (RS232) Baud Rate: Baud Rate: 19200	GSM Callout Numbers:
***************************************	** These are the telephone numbers that the logger may dial
Logger Ty Update Call Number 01	
Image: Second State Number Image: Second State Number Image: Second State Telephone Number: Image: Second State Memory M	+440987654321 Select
< <u></u>	Load Edit Selected List Item << Previous Next >> Cancel

Enter the telephone number of the receiving modem that you wish the logger to call, then select ok

Configure Logger Wizard	ł	×
Configuration Summary:		Configuration Option:
Logger Type: Connection Type: Baud Rate: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Multilog Flash GSM, Direct (RS232) Baud Rate: 19200 ***********************************	GSM Callout Numbers: These are the telephone numbers that the logger may dial to send data. Normally only 1 number is required, and will be the number of a modern being used by autocall. Number (1) +440987654321 (1) +440987654321 (1) +440987654321 (1) +440987654321 (1) +440987654321 (1) +440987654321 (1) +440987654321 (1) +440987654321 (2) (1) +440987654321 (2) (1) +440987654321 (2) (1) +440987654321 (2) (1) +440987654321 (2) (1) +440987654321 (2) (1) +440987654321 (2) (1) +440987654321 (2) (1) +440987654321 (2) (1) +440987654321 (1) +440987654321 (2) (1) +440987654321 (2) (1) +440987654321 (2) (2) (1) +440987654321 (3) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2
<	۴	Load Edit Selected List Item
		<< Previous Next >> Cancel
	SELEC	T THE NEXT BUTTON

Configure Logger Wizard	×
Configuration Summary:	Configuration Option:
Logger Type: Multilog Flash GSM. Connection Type: Direct (RS232) Baud Rate: Baud Rate: 19200 X Logger Type: Multilog Flash GSM. SW99 : Location: 456 :	GSM Callout Times: These specify the times when the logger will call the specified number so data may be downloaded. The number called is selected from the GSM Callout Numbers
	Enable Time Number 01 00:16:00 (01) +440987 03 00:16:00 (01) +440987 14 00:16:00 (01) +440987 05 00:16:00 (01) +440987 05 00:16:00 (01) +440987 05 00:16:00 (01) +440987 06 00:16:00 (01) +440987 07 00:16:00 (01) +440987
•	Load Edit Selected List Item << Previous

Double click the first entry

Image: Connection Type: Multilog Flash GSM, Direct (RS232) Image: Baud Rate: Baud Bate: 19200 Image: Configure Call Time 01 Image: Configure Call Time 01 Image: Connection Type: Call Time Image: Connection Type: Call Time Image: Connection Type: Call Time Image: Connection Type: Call Time: Image: Connection Type: Call Time: Call Time: Image: Connection Type: Call Time: Call Time: Image: Connecti
W Dough Here. Configure Call Time 01 W Logger Type: Call Time Octoation: Call Time Connection Type Image: Call Time: Call Time: 00 ▼ : 16 ▼ : 00 Telephone Numb Call Time: Call Time: 00 ▼ : 16 ▼ : 00 Call Time: 00 ▼ : 16 ▼ : 00 Call Time: 00 ▼ : 16 ▼ : 00 Call Time: 00 ▼ : 16 ▼ : 00
Precord Start Time Cancel 1+440987 Precord Start Time 0K Cancel 1+440987
Image: Object of the second

Select the enable call check box, then use the drop down boxes to enter the time you wish the logger to call your receiving modem, then click ok.

0	Configure Logger Wizar	Ч				×
	Configuration Summary:		Configuration Option	n:		
	Logger Type: Connection Type: Baud Rate: Logger Type: Cone: Location:	Multilog Flash GSM, Direct (RS232) Baud Rate: 19200 Multilog Flash GSM, SW99: 456 -	These specify the specified number called is s	I Callout Ti times when the k so data may be d elected from the (mes: ogger will call the ownloaded. The GSM Callout Number	\$
	Connection Type: Connection Type: Channel 1: Channel 1: Channel Start Time: Memory Mode: GSM Number 01 Call Time 01	SMS Modem +441234567890 Digital (Flow) -14:00:00-12/08/20 Cyclic Memory +440987654321 00:16:00 [01] +440	Enable	Time 00:16:00 00:16:00 00:16:00 00:16:00 00:16:00 00:16:00 00:16:00	Number [01] +440987 [01] +440987 [01] +440987 [01] +440987 [01] +440987 [01] +440987 [01] +440987 [01] +440987 [01] +440987	-
	۲. III.	Þ	Load	Edit Se	elected List Item	
			~~	Previous N	lext>> Car	icel

SELECT THE NEXT BUTTON

Logger Type: Connection Type: Baud Rate: Logger Type: Cone:	Multilog Flash GSM, Direct (RS232) Baud Rate: 19200 Multilog Flash GSM, SW99 : 456 :	GSM These specify time logger is turned on answer incoming of	Power W periods when th . During these po alls for data dow	indows: e GSM module in the eriods the logger will nload or upload.	*
Connection Type: Telephone Number: Channel 1: Channel 1: Channel Start Time: Channery Mode: GSM Number 01 Call Time 01	SMS Modem +441234567890 Digital (Flow) 14:00:00 12/08/20° Cyclic Memory +440987654321 00:16:00 [01] + 40	Enable 01 4,02 102,03 102,04 102,05 102,06 102,07 Load	Start Time 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 Edit So	End Time 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 elected List Item	

If you wish to enter a power window time (this is when your logger will be awake ready to accept incoming calls), double click the first entry line.

Configure Logger Wizard	<u> </u>
Configuration Summary: Configuration Option:	
Logger Type: Multilog Flash GSM/ Connection Type: Direct (RS232)	ws:
Configure Power Window 01	pdule in the 🔺
	pioad.
Image: Control doining Window Start Time: 08 ▼ : 00 ▼ : 00 Image: Channel 1: Window End Trace 00 ▼ : 00	
	00 ≡ 00
Call Time 01 Call Time 01<	00
Load Edit Selected	List Item
<< Previous Next >>	Cancel

Make sure the enable power window box is checked and then use the drop down boxes to enter your start and end times of your power window. When completed, click ok.

Configure Logger Wizard	d				x
Configuration Summary:		Configuration Option	1:		
Logger Type: Connection Type: Baud Rate: KANNANANANANANANANANANANANANANANANANANA	Multilog Flash GSM, Direct (RS232) Baud Rate: 19200 Multilog Flash GSM, SW/99 :	These specify time logger is turned on answer incoming of	periods when th During these periods of the periods when the periods when the periods when the periods are periods and the periods are periods and the periods are periods and the periods are periods	indows: e GSM module in th riods the logger will nload or upload.	B A
Location: Connection Type: Connection Type: Channel 1: Record Start Time: Memory Mode:	456 : SMS Modem +441234567890 Digital (Flow) 14:00:00 12/08/20 Cyclic Memory	Enable 01 02 03 04	Start Time 08:00:00 00:00:00 00:00:00 00:00:00	End Time 09:00:00 00:00:00 00:00:00 00:00:00	
GSM Number 01 Call Time 01 Power Window 01	+440987654321 00:16:00 [01] +440 08:00:00 09:00:00	05 06 07 Load	00:00:00 00:00:00 00:00:00 Edit Se	00:00:00 00:00:00 00:00:00 elected List Item	-
		<< 1	Previous N	lext >> Ca	ncel

SELECT THE NEXT BUTTON

Configure Logger Wizard	ł	×
Configuration Summary:		Configuration Option:
Logger Type: Connection Type: Baud Rate: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Multilog Flash GSM, Direct (RS232) Baud Rate: 19200 Multilog Flash GSM, SW/99 : 456 : SMS Modem	Upload Logger: The logger will now be uploaded with the entered parameters and will start logging. The information will be entered in the database under the entered zone/location Select 'Next' To Upload The Logger Parameters.
 Telephone Number: Channel 1: Record Start Time: Memory Mode: GSM Number 01 Call Time 01 Power Window 01 	+441234567890 Digital (Flow) 14:00:00 12/08/20 ⁻ Cyclic Memory +440987654321 00:16:00 [01] +440 08:00:00 09:00:00	
	,	<< Previous Cancel

YOU CAN NOW REVIEW ALL YOUR ENTERED CONFIGURATION IN THE LEFT WINDOW PANE. IF YOU ARE UNHAPPY WITH ANY OPTION SIMPLY PRESS THE BACK BUTTON UNTIL YOU GET TO THE SCREEN YOU WISH TO MODIFY. ONCE YOU ARE HAPPY WITH YOUR CONFIGURATION SELECT THE NEXT BUTTON

Configure Logger Wizard	J
Configuration Summary: Configuration Option:	
Logger Type: Multilog Flash GSM, Connection Type: Direct (RS232) Baud Rate: Baud Rate: 19200	
Will be location: Image: Connection: Connection: Image: Connection: Telephone Comm 7 · 19200 (Multilog Flash GSM/SMS) Uploading - General Params Channel Params Time Main Recording Record State Abort Estimated Time Remaining:	
Call Time 01 00:16:00 [01] +440 Power Window 01 08:00:00 09:00:00 < III	

CONGRATULATIONS !!! YOUR LOGGER WILL NOW BE UPLOADED WITH YOUR SETTINGS.

WE WILL NOW CONFIGURE YOUR RECEIVING COMPUTER RADWIN SYSTEM.

WE WILLHAVE TO SETUP YOUR CONFIGURATION TO MAKE THE DATA CORRECT TAKING INTO ACCOUNT YOUR UNITS PER PULSE AS SPECIFIED IN YOUR RAIN GAUGE DOCUMENTATION IN THE EXAMPLES BELOW THE RAIN GAUGE SPECIFICATION STATES THAT FOR EVERY 0.2MM OF RAIN THE BUCKET WILL TIP SENDING A PULSE TO THE LOGGER.

FIRST STAGE IS TO OPEN THE RADWIN SETUP PROGRAM ON YOUR RECEIVING COMPUTER

Radcom Setup V4.56	
File Options Start Help	
i 🖳 🧶	
	PADCON
	TECHNOLOGES LID
iopyright ©2010 Radcom Technologies Ltd	Radcom Setup V4.56 e: 20/10/2010 17:51:37 CAP

WHEN THE PROGRAM OPENS YOU WILL BE PRESENTED WITH THE ABOVE D Thom SCREEN 1.0

🔣 Radcom Setup V4.56	
File Options Start Help	
🔯 🗳 System Configuration	
System Configuration - Select	
Item Configuration	
Item Configuration - Select	
Sensorr/Unitr	
1 Search Database For Telephone Number.	
Database Utilities	
	(0)
	RADCON
Longst Time, 2000/2010 17:51	21 CAD
Logger IIIIe 20/10/2010 17:52	
FROM THE OPTIONS BUITTON SELECT ITEM CONFIGURAT	



RIGHT CLICK ON THE ZONES / LOCATIONS FOLDER AND CLICK CREATE NEW ZONE

Locations _ 🗆 🗶	
Zones/Locations	
🗁 C: \Temp database backup \NEW BACKUP 24 02 10 💿 🔀 👘 📰 🔹 🞌 🔹	
E C:\Temp database backup\NEW BACKUP 24 02 10	
🖹 🛅 Zones/Locations	
E	
OU: Undation Pressures	
B 2 : Dundee PZTs	
🗄 🏀 _03 : Perth Pressure	
🕀 🍪04 : Lintrathen Pressures	
🗄 🍪05 : Lintrathen PZTs	
E Sp _07 : Fire Create Zone	
🗉 🚱 09 : Aberdeenshire Pressures 💉 💦 Enter the required iden	tity and name for the Zone. If
🗈 🚸 _10 : Tullich WOA 🚯 the zone already exists	it will get updated. 🚽
🗉 🚸11 : Kilchrenan WOA	
E 😓 _12 : Tobermory WOA	
So	
The state of the s	
Res Name:	
\delta _17 : Inveraray WOA	
🕀 🎂 _19 : Ardrishaig WOA	Save Cancel
🗄 🚸20 : Grampian North	
S 21 : Fife DMA Est	
H & 25 :	
🗄 🏀 _52 : CARRADALE	
😽 _56 : Irvine	
terregy00:	
R 2 : Kyle WOA Pressure Logging	
- 😓 77 : Blairgowrie Pressures	
🗄 🈓78 : Carse of Gowrie	
🗄 🏇 _80 : Tayside PRV Schemes	
H Sp _90 : Torra WOA Islay	
u w	RADCON TECHNOLOGIES LD
OK Cancel	Lanna Tima (2010) 10 02 12 [512]
	Logger Time: 20/10/2010 18:03:43 CAP

IN THIS WINDOW TOP LINE INSERT THE 4 DIGIT ZONE ID EXACTLY AS IT WAS PROGRAMMED INTO THE LOGGER. YOU MAY ALSO INSERT AN OPTIONAL NAME IN THE SECOND LINE. SELECT SAVE TO ADD THIS ZONE TO YOUR DATABASE. D Thomson revision 1.0



YOU WILL NOW BE RETURNED TO THIS SCREEN (NOTE YOUR DATABASE AS IT IS NEW WILL NOT CONTAIN AS MANY ZONES AS THIS EXAMPLE). RIGHT CLICK ON THE ZONE ID THAT YOU CREATED IN THE LAST STEP AND SELECT CREATE NEW LOCATION.

Location Configuration S	W99456 : Radwin All
Configure: Basic Radwin All Manual Call View Configure: Conf	Location - Specify the location identity and name. Enter names for each of the logger channels.
	Channel Name And RAIN FALL A 02 02 A 03 04 Print: Save Cancel

IN THIS BOX INSERT THE THREE DIGIT N LOCATION ID EXACTLY THE SAME AS CO PROGRAMMED INTO THE LOGGER. ONCE AGAIN YOU MAY USE THE BOX TO THE RIGHT TO GIVE IT A NAME (ADDRESS OR ZIP D Thomson revision 1.0 CODE ETC)

YOU MAY ALSO NAME THE CHANNEL NUMBER ON THE LOGGER THAT YOU CONNECTED THE RAIN GAUGE TO, TO SOMETHING YOU WANT.

1. SELECT LOGGER FROM THE TABS AT THE TOP

2. SELECT YOUR LOGGER TYPE FROM THE DROP DOWN BOX

Location Configuration S Configure:	W99456 : Radwin All	r type and baud rate. Select the connection type (how the computer will ger), and enter telephone numbers if required. The logger manufacture
Radwin All Manual Call View Autocall Data Generator Export Alarm Programm Alarm Receiver Remote Autocall	Location Logger Statistics Tra- Logger Type: X Multilog Date Manufactured: Last Battery Change:	ansducer Unit/Levels Meter Autocall Memo Auto Database E
	Connection Connection Type: GSM Data Number: SMS Voice Number:	SMS Modem +441234567890
		Print Save Cancel

3. YOU MAY NOW OPTIONALLY FILL IN THE SERIAL NUMBER OF YOUR LOGGER AND WHAT DATE THE LOGGER WAS INSTALLED / MANUFACTURED

4. SELECT SMS MODEM FROM THE DROP DOWN BOX 5. INSERT THE TELEPHONE NUMBER OF THE SIM CARD THAT WAS INSERTED IN THE LOGGER IN INTERNATIONAL FORMAT

1. SELECT TRANSDUCER FROM THE TABS AT THE TOP OF THE SCREEN



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	1. SELECT RAIN FALL FROM THE DROP DOWN BOX
Sensor Type: Rain Fall	
t Transducer	
Select: User Defined Transducer 💌 Remove	
Enter/Edit Transducer	
Name: 0.2mm per pulse	
Units Per Pulse: 0.200000	
Offset: 0000000	
Data Type: All Data Values	
Add to Select Transdurer List Bands	
Export OK Cancel	

3. INSERT THE VALUE FROM THE GAUGES SPECIFICATION FOR HOW MUCH RAINFALL PER TIP OF THE BUCKET – IN THIS CASE 0.2MM OF RAINFALL FOR EVERY TIP OF THE BUCKET ACCORDING TO THE MANUFACTURERS SPECIFICATION

4. SELECT OK

Location Configuration SW99456 : Radwin All	
Configure: Basic Transducer - Select the transducer type for each channel. Transducers Must be configured for each recording channel in order to calibrate the downloaded data. Select 'Configure' or double Basic •	
Manual Call Location Logger Statistics Transducer Unit/Levels Meter Autocall Memo Auto Database E	
Autocall Channel:	
Export Data Factors	
Alarm Programm Calibration: 0.200000 Offset: 0.000000	
Remote Autocall Apply Logger Calibration	
Configuration	
Transducer Type 🐼 Digital (Flow) 🖵 Configure	2. YOU CAN
Sensor Tipe: Rain Fall	RF\/IF\// \//ΗΔΤ
Units Per Pulse: 0.20000	
Offset: 0.000000 Data Type: All Data Values *	YOU INSERTED IN
	THE PREVIOUS
	PAGE HERE
Print Save Cancel	
1. ONCE RETURNED TO THIS SCREEN, IT IS VERY	3 HIT SAV/F
ΙΜΡΟΒΤΑΝΤ ΤΟ ΙΙΝCHECK ΤΗΕ ΒΟΧ ΝΕΧΤ ΤΟ ΔΡΡΙΥ	
D Thomson revision 1.0	

CONGRATULATIONS AGAIN – YOU HAVE NOW CONFIGURED YOUR LOGGER ONTO YOUR TOP END RECEIVING COMPUTER.

ONCE YOUR DATA COMES IN FROM THE LOGGER YOU CAN VIEW IT USING THE RADWIN VIEW PROGRAM AS DETAILED NEXT.

FIRST STAGE IS TO OPEN RADWIN VIEW.



SELECT THIS ICON FROM THE TOP OF THE WINDOW



1. PRESS THE + BUTTON NEXT TO YOUR LOGGERS ZONE TO EXPAND

2. PRESS THE + BUTTON NEXT TO YOUR LOGGERS LOCATION ID TO EXPAND. IF THERE IS NO + NEXT TO YOUR LOGGER, THEN NO DATA HAS ARRIVED FROM YOUR LOGGER OR YOU HAVE MADE A CONFIGURATION MISTAKE

3. DOUBLE CLICK ON YOUR DATA FILE

Load Data File			×
Select a the grap	data channel, or all data chann h should be updated whenever	els, to view. Select 'Enable new data is added to the :	Live Update' if selected data
Identity			
Zone:	SW99		
Location:	456		
File:	M0001		
Channel:	All Channels Channel 01 - All Channels		Advanced >
Load Stored T	ext		
Enable Live Up	odate	ОК	Cancel

SELECT THE CHANNEL NUMBER ON THE LOGGER THAT THE RAIN GAUGE IS CONNECTED TO THEN CLICK OK



YOUR DATA WILL NOW BE DISPLAYED SHOWING HOW MUCH RAIN FELL DURING EACH 15 MINUTE SAMPLE PERIOD.

