



Ref: FAQ0414

Version: 1.0

Title – Smartlog time/date setting

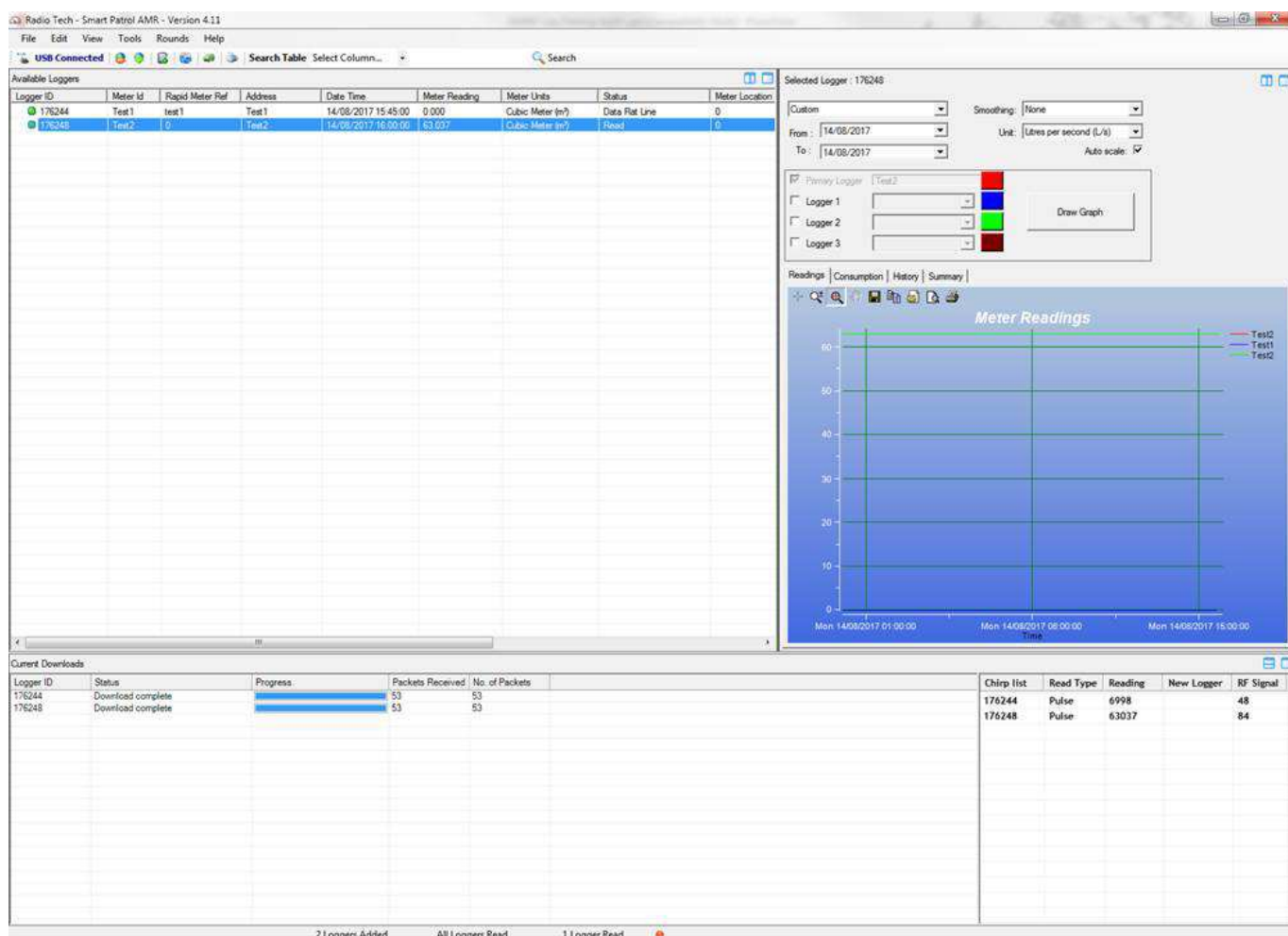
Made By: AB 15/08/17

(Issue 1)

How to manually synchronise the time and date in a Smartlog

You can Reset the Time manually or when it is read as follows-

1. In Smartpatrol software go to 'Edit' the logger & 'SMARTLog Configuration'



Radio Tech - Smart Patrol AMR - Version 4.11

File Edit View Tools Rounds Help

USB Connected Search Table Select Column... Search

Available Loggers

| Logger ID | Meter Id | Rapid Meter Ref | Address | Date Time | Meter Reading | Meter Units | Status | Meter Location |
|-----------|----------|-----------------|---------|---------------------|---------------|------------------|----------------|----------------|
| 176244 | Test1 | test1 | Test1 | 14/08/2017 15:45:00 | 0.000 | Cubic Meter (m³) | Data Flat Line | 0 |
| 176248 | Test2 | 0 | Test2 | 14/08/2017 16:00:00 | 63.037 | Cubic Meter (m³) | Read | 0 |

Selected Logger: 176248

Custom Smoothing: None

From: 14/08/2017 To: 14/08/2017 Unit: Litres per second (L/s) Auto scale: ☒

Primary Logger: Test2

Logger 1: Logger 2: Logger 3:

Draw Graph

Readings Consumption History Summary

Meter Readings

Mon 14/08/2017 01:00:00 Mon 14/08/2017 06:00:00 Mon 14/08/2017 15:00:00

Current Downloads

| Logger ID | Status | Progress | Packets Received | No. of Packets |
|-----------|-------------------|-------------|------------------|----------------|
| 176244 | Download complete | <div></div> | 53 | 53 |
| 176248 | Download complete | <div></div> | 53 | 53 |

| Chirp list | Read Type | Reading | New Logger | RF Signal |
|------------|-----------|---------|------------|-----------|
| 176244 | Pulse | 6998 | | 48 |
| 176248 | Pulse | 63037 | | 84 |

2 Loggers Added All Loggers Read 1 Logger Read

Edit Logger: 176244

Logger Id: 176244

Installation Date and Time: 14/08/2017

Scaling: 1.00000

Units: Cubic Meter (m³)

Installation Logger Zero Value: 6998

Installation Meter Reading: 0.000

Logger Sampling Period: 15

SMARTLog Configuration

Meter Serial Number: Test1

Rapid Meter Ref: test1

Address: Test1

Post Code: 0

Latitude: 0

Longitude: 0

Meter Location: 0

Customer Name: 0

Comments/Property Ref: 0

Update Cancel



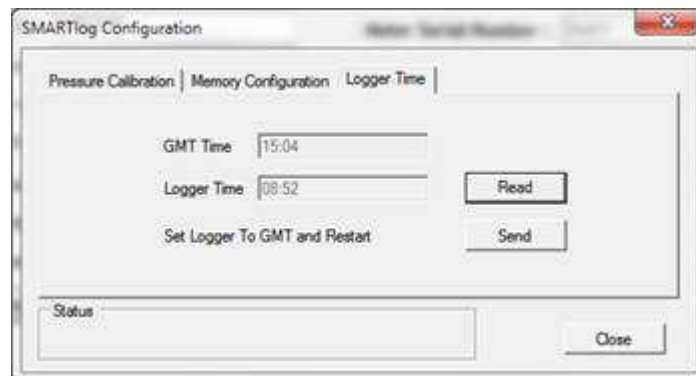
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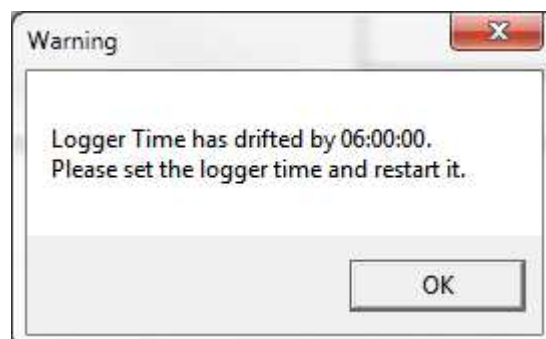
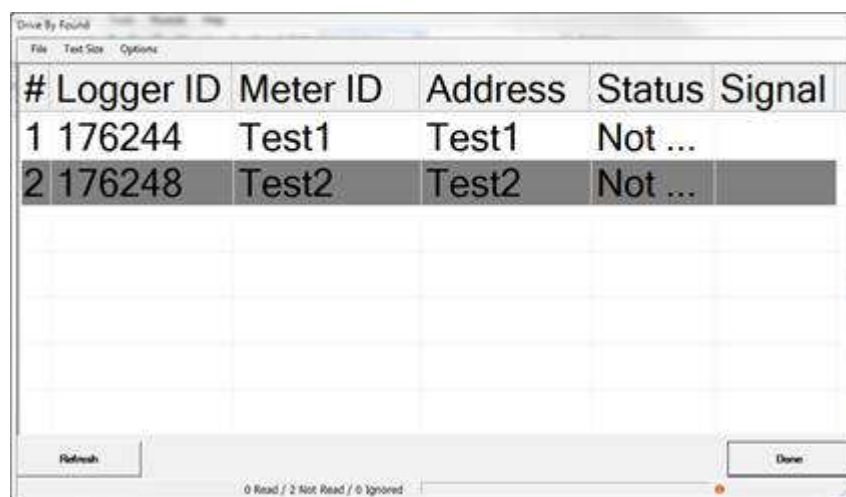
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2. There is also the option to reset the time and you are prompted to do this if time drift is significant – CARE! resetting usually clears the memory of the logger



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The time on the logger will drift whilst it is logging as there is no remote communications to reset the internal clock.

When the logger is read it will give the user the option to adjust for the time drift – it will adjust the time on the logger to the PC local time and restart the logger.

This is why the PC reading it should be set to a consistent UTC/GMT without summer/daylight adjustment.

Regardless of whether the time is reset on the logger, the data export will show an adjusted time which will compensate for any time drift relative to the local time on that PC at the time of reading. However if the PC time of the computer used to read the unit is using a different time zone to the one used to set the logger then it will compensate incorrectly.

With a larger time drift it would be beneficial to confirm the time zone of the PC used to read the SmartLOG and if it is correct for your purposes then to use the adjusted time.

The correct process would be that Smartlogs are setup with a PC with exactly the same time zone as the PC used to read it (e.g. without the 1 hour adjustment for daylight saving/British summer time). The most logical time zone to use then is GMT/UTC without BST/DST for all PCs used with the Smartlogs.

The Time should then be reset whenever the data is read.

Any adjustments for daylight saving/BST should then be done in the top end software.

Document History:

| Edition | Date of Issue | Modification | Notes |
|----------------|----------------------|---------------------|--------------|
| 1st | 15/08/17 | Release | |
| | | | |