

Auto Logged Points

Have you ever used the functionality on System 500 to collect survey data using auto logged points?

This method of data collection is ideal for collecting a lot of points very quickly, such as data for a DTM, or for measuring a quarry or stock pile.

This newsletter discusses what is possible with v2 (Version 2) firmware and how collecting data with auto logged points has been improved with v3 firmware...

Logging Options

Auto logged points can be collected in one of 3 ways – by **time**, by **distance** or by **height**. Normally, by distance is the most useful option – if you then stop moving, a mass of points is **not** collected in the same location.

The quickest way to collect the points may be to attach the antenna to the roof of a car or other vehicle. Remember then that you must measure the height of the antenna above the ground and enter this as the moving antenna height.

It is likely that you only wish to collect points of a certain accuracy – for example only points of a phase (cm accurate) solution. This is possible by setting **Monitor CQ** to **YES** and entering an appropriate value.

It is also possible to set a beep for when each auto logged point is collected.

But as useful as collecting auto logged points with v2.0x firmware was, many customers still had additional wishes for when using auto logged points. The most common wishes were:

- Better control over the starting and stopping of the logging of auto logged points
- To code auto logged points
- To see auto logged points in Point Management
- To export auto logged points with a format file on the sensor

This now possible with v3 firmware.

V3 - Improved Control

If you now choose to log auto positions then a new **F3(AUTO)** button will be seen in the main **SURVEY** panel. Pressing this button takes you to the **AUTO-POS** panel.



In this panel you can use **F6(STOP/START)** to **stop** and **start** the collection of auto logged points, change the **moving antenna height** and see the **point ID** of the auto logged points and the **number** of auto logged points that have been collected since pressing start.



Also, **F5(POS)** takes you directly to the **CONFIGURE\ Position Logging** panel.

V3 - Even More Control

With v2 firmware, if you chose to collect auto log points, the logging of auto points began as soon as the **SURVEY** panel was entered.

You can now choose between the options **Controlled** or **Immediate**. If **Controlled** is chosen, then auto logging

does not start until you press **Start**, as described above. If **Immediate** is chosen then auto logging starts, as with v2 firmware, as soon as the **SURVEY** panel is entered.

V3 - To DB Or Not To DB?

In the **CONFIGURE\ Position Logging** panel it is now also possible to choose to store auto log points to the **DB** (DataBase).

If you choose **YES**, then it is possible to **code** auto logged points, to see the auto logged points in the **Point Manager** and to **export** auto logged points using a format file.

If a codelist is configured to be used, then codes and up to 3 attributes can be attached to the auto logged points. Access the codelist and enter attribute values using exactly the same procedures as for “normal” occupied points.



So now for example it is possible to be coding the auto logged points as spot heights and collecting these points for the DTM model while collecting and coding “normal” occupied points for all other detail points – surveying at its most productive!

Remember...

- The logging of auto points in v3 is greatly improved – more control, coding, view in Point Manager and export.
- The use of auto logged points allows a lot of points to be collected very quickly.
- The most efficient way to survey can be to collect both normal points and auto logged points.