

Origin Software

Version 2025.21

December 2025

This release of the Spectra[®] Geospatial Origin software includes the following changes.

Enhancements

Updated voice messages

Origin now provides updated voice messages in Finnish.

Resolved issues

- **Cloud jobs not appearing:** We have fixed an issue when opening a project in Origin, where cloud jobs were not shown in the jobs list if you only had **User** permissions for the project. Users with **Admin** permissions were not affected.
- **Web Map Services (WMS):** We have fixed a number of issues when using Web Map Services:
 - When using Web Map Services on Android controllers, some WMS services displayed an error "SSL peer certificate or SSH remote key was not OK".

For the **Spectra Geospatial Ranger 710** controller, this issue is fixed by updating the Origin software on your controller to version 2025.21.

NOTE – For the **Spectra Geospatial MobileMapper 6 handheld**, you will need to install an Android system update in addition to updating the Origin software on your controller to version 2025.21.

To update the Android system, on the MobileMapper 6 go to the system **Settings** and select **Security & privacy / System updates / Google Play system update**. You will need to sign in with your Google account.

- Some WMS services displayed an error "No coordinate system found".
- Some WMS services would not display any imagery if the layer name contained a space.
- **Copying Point name or Code from a point in the map:** When the **Point name** or **Code** field is highlighted in a form such as the **Measure topo** or **Measure point** form, tapping a point in the map now copies the **Point name** or **Code** information for the selected point into the highlighted field.
This restores the software behavior from Origin version 2025.10 but which was broken in version 2025.20.
- **Application errors:** We have fixed the following application errors when using the software:
 - When running Origin on an Android controller with a GNSS-only license.
 - When editing a template from the **Settings / Templates** screen without first opening a job.

Supported equipment

Origin software version 2025.21 communicates best with the software and hardware products listed below.

NOTE – For best performance, hardware should always have the latest available firmware installed.

Supported controllers

Windows devices

The Origin software runs on the following Windows® 64-bit devices:

- Spectra Geospatial Ranger 7 data collector
- Spectra Geospatial ST10 or ST100 tablet
- Supported third-party tablets

For more information on supported third-party tablets, refer to the support bulletin **Origin on 64-bit Windows 10 & 11**, which can be downloaded from the [Support bulletins](#) page in the **Origin Help Portal**.

Android devices

The Origin software runs on the following Android™ devices:

- Spectra Geospatial Ranger 710 data collector
- Spectra Geospatial Ranger 5 data collector
- Spectra Geospatial MobileMapper 6 handheld
- Spectra Geospatial MobileMapper 60 handheld
- Spectra Geospatial SP30 handheld GNSS receiver (only with Origin subscription)
- Spectra Geospatial FOCUS data collector

TIP – Origin is designed to be used in **Portrait mode** or in **Landscape mode** on the **MobileMapper 6 and MobileMapper 60 handheld**. There are small differences in the UI to accommodate the portrait screen and the Android operating system. For more information, see the topic **The Origin workspace** in the [Origin Help](#).

NOTE – The **Spectra Geospatial SP30 handheld GNSS receiver** can only be used with Origin subscriptions - it cannot be used with Origin perpetual licenses. The SP30 is designed for GNSS-only surveying and does not support connections to total stations. For more information on using the SP30 with Origin, refer to the **Supported GNSS receivers** section below.

Supported conventional instruments

Conventional instruments that can be connected to the controller running Origin are:

- Spectra Geospatial FOCUS® 50 total stations
- Spectra Geospatial FOCUS 35/30 total stations
- Supported Nikon and third-party total stations

The functionality available in the Origin software depends on the model and firmware version of the connected instrument. Spectra Geospatial recommends updating the instrument to the latest available firmware to use this version of Origin.

Supported GNSS receivers

GNSS receivers that can be connected to the controller running Origin are:

- Spectra Geospatial integrated GNSS receiver with a built-in inertial measurement unit (IMU): SP100
- Spectra Geospatial integrated GNSS receivers: SP85, SP80, SP60
- Spectra Geospatial modular GNSS receivers: SP90m
- Spectra Geospatial SP30 handheld GNSS receiver

NOTE –

- As noted in the **Supported controllers** section above, the **Spectra Geospatial SP30 handheld GNSS receiver** can only be used with Origin subscriptions, not perpetual licenses. When used with Origin, the SP30:
 - Can connect to an external antenna but cannot connect to another GNSS receiver.
 - Can connect to other survey equipment such as an echo sounder or laser rangefinder.
 - Can be used as a GNSS RTK solution only, providing accuracy at the following levels:
 - Centimeter accuracy - Horizontal: 10mm, Vertical: 15mm
 - Decimeter accuracy - Horizontal: 70mm, Vertical: 20mm
 - Sub-meter accuracy - Horizontal: 300mm, Vertical: 300mm
 - Cannot be used with RTX and cannot be used for postprocessing.
 - Does not support camera-based eLevel.
- The communication protocols the Spectra Geospatial Origin software uses to communicate with older Spectra Geospatial GNSS receivers do not support all of the features available when using the same receivers with Survey Pro software. For more information, refer to the support bulletin **SP60, SP80 and SP85 Receiver Support with Spectra Geospatial Origin**, which can be downloaded from the [Support bulletins](#) page in the **Origin Help Portal**.

Installation information

License requirements

To install Origin 2025.21, licenses are required for the General Survey app as well as for each Origin app you want to use.

- **Perpetual licenses**

Perpetual licenses are licensed to the controller. The controller must have a Origin Software Maintenance Agreement valid up to **1 December 2025**.
- **Subscriptions**

Subscription licenses are assigned to an individual user. When used with a subscription license, you can install Origin 2025.21 onto any supported controller.

If you have a perpetual licenses on an existing controller but you wish to retire that controller and replace it with a new one, you may be able to relinquish the perpetual Origin license from the existing controller and transfer it to the new one.

For more information, see [Software licenses and subscriptions](#) in the **Origin Help Portal**.

Don't have a current license? You can still try out the software

If you do not have the required licenses you may be able to try out the software for a limited time.



The options are:

- Create a **48-hour license** for Origin if you are not able to sign in and use your subscription or if you have purchased a perpetual license but it has not yet been assigned to your controller.
- Create a **30-day Demonstration license** for Origin if the controller does not have a current perpetual license. This type of temporary license is available on supported Windows and Android controllers.
- Create a **30-day Trial license** for specific Origin apps if the controller has a current perpetual license, but no license for the specific app you want to try. This type of temporary license is available only on supported Windows controllers.

For more information, see [Installing a temporary license](#) in the **Origin Help Portal**.

Installing or upgrading Origin

To install the software to your controller, use the appropriate Spectra Geospatial Installation Manager for your controller operating system:

- Spectra Geospatial Installation Manager for Windows 
- Spectra Geospatial Installation Manager for Android 

For more information, see [Installing Origin](#) in the **Origin Help Portal**.

NOTE - Job (.job) files created using a previous version of Origin are automatically upgraded when you open them in the latest version of Origin. Once jobs are upgraded they can no longer be opened in a previous version. For more information, see [Using existing jobs with the latest version of Origin](#) in the **Origin Help Portal**.

Learning resources

To learn more about Origin software features and how to get the most out of the software, visit the resources below.

Origin Help Portal


The **Spectra Geospatial Origin Help Portal** is part of the [Spectra Geospatial Help Portal](#) and is available at help.spectrageospatial.com/origin/ and includes the full contents of the on-board *Origin Help* in 14 languages, as well as links to videos available from the Origin YouTube channel.

The **Downloads** area of the **Spectra Geospatial Origin Help Portal** provides links to download useful resources, including:

- Support bulletins
- Software and utilities
- Template files
- Stylesheets
- Sample data
- PDF guides

You can view the **Spectra Geospatial Origin Help Portal** from any computer that has an internet connection, without needing to have the Origin software installed. You can also view it from your mobile phone, or from the controller running Origin if you chose not to install the on-board help.

Origin Help

The *Origin Help* is installed with the software when you select the **Language & Help Files** check box in Spectra Geospatial Installation Manager. To view the installed help, tap  in the Origin software and then select **Help**. The *Origin Help* opens, taking you right to the help topic for the current screen in the Origin software.

Spectra Geospatial Origin Field Software YouTube channel

The Spectra Geospatial Origin Field Software YouTube channel provides a number of videos highlighting useful software features.

We post new videos regularly, so make sure to click **Subscribe** on the Origin YouTube channel page to get notified when new videos are available.

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