Network Licensing Read Me
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This document provides information concerning the configuration of a Sentinel HASP network key with a multi-user license.

Users can use the license on an as-needed basis, up to the limit of concurrent users (seats) allowed by the license.

Typically, users must be connected to the network to use the license. However, the Sentinel HASP network key can be configured to allow users to check out a "detachable" license seat for a limited period of time, allowing the user to run the software without being connected to the network.

After installing the Sentinel HASP Network key, as an administrator you can do any of the following:

- View network licensing information
- Configure access to the license
- Configure the license for checkout
- Enable a user's computer to use a network license installed on a server located on a different subnet
- Enable a user's computer to check out a detachable license seat
- Detach the last network license
- Upgrade a Sentinel network license

See the appropriate section in this guide for instructions.

To open the Sentinel Admin Control Center:

To open the Sentinel Admin Control Center in your browser window to perform most of the administrative tasks described in this document, do one of the following:

- On your Windows desktop, select Start > All Apps > Trimble > HASP License Updater to display the Trimble HASP License Updater dialog. Then click the Sentinel Admin Control Center link.
- In your software program, select File > Help and click the View License Manager link to display the License Manager dialog. Then click the Sentinel Admin Control Center link.
- Open a browser window and enter the address http://localhost:1947.

To view licensing information:

In the Sentinel Admin Control Center, select the Sentinel Keys, Products, or Features link in the Options navigation pane. Click the Help link located in the lower-right corner of each page for additional instructions.
Note: If you click a link in the Sentinel Admin Control Center and the new page does not display correctly, press the F5 key to refresh the view.

To configure access to the license:

Before users can access the multi-user license on the Sentinel HASP network key, you must configure the license to allow remote access. Follow these steps:

1. In the Sentinel Admin Control Center, select the Configuration link in the Options pane to display the Configuration tab set.
2. Select the Access from Remote Clients tab.
3. Check the Allow Access from Remote Clients check box.
4. Click the Submit button.

To configure the license for checkout:

If you want to allow users to use the multi-user license without being connected to the network (that is, check out a "detachable" license seat), follow these steps:

1. In the Sentinel Admin Control Center, select the Configuration link in the Options pane to display the Configuration tab set.
2. Select the Detachable Licenses tab.
3. Check the Enable Detaching of Licenses check box.
4. In the Reserved Licenses fields, specify the number of license seats, or percent of total license seats, that you want to reserve for office use and not allow for checkout.
5. In the Max. Detach Duration field, enter the maximum number of days the license seat can be checked out.

Users can request to check out a license seat for this amount of time, or some amount of time less than this.

Note: Your software limits the user’s license duration request to a maximum of 30 days. So although you can enter a value greater than 30 in this field, the user will still be limited to a maximum license duration of 30 days.

6. Click the Submit button.

To enable a user's computer to use a network license installed on a server located on a different subnet:

When the server computer (on which the Sentinel HASP network key is installed) and a user's computer (which needs to access a network license) are on different subnets, the server must be specified on the user's computer.

On the user's computer, complete the following steps:
1. In your software program, select the License Manager link on the Start Page.

2. In the License Manager dialog, click the Sentinel Admin Control Center link located in the lower-left corner of the dialog.

   The Sentinel Admin Control Center page displays in a browser window.

3. In the Options navigation pane, select the Configuration link to display the Configuration tab set.

4. Select the Access to Remote License Managers tab.

5. In the Specify Search Parameters field, enter the server name or IP address.

6. Click the Submit button.

7. In the Options navigation pane, select the Sentinel Keys link and verify the network license is displayed.

To enable a user’s computer to check out a detachable license seat:

Users must configure their own computers to allow the checkout of detachable license seat from the Sentinel HASP network key using the following steps. Note that these steps are provided to users in a message dialog when they are denied a detachable license request.

**Note:** The following procedure is intended for licensed users to perform on their own computer.

1. In your software program, select the License Manager link on the Start Page.

2. In the License Manager dialog, click the Sentinel Admin Control Center link located in the lower-left corner of the dialog.

   The Sentinel Admin Control Center page displays in a browser window.

3. In the Options navigation pane, select the Configuration link to display the Configuration tab set.

4. Select the Detachable Licenses tab.

5. Check the Enable Detachable Licenses check box.

6. Click the Submit button.

To detach the last network license:

When your software is running and the License Manager is set to search a network, a license is automatically checked out. If there are additional licenses, the Check Out button in the Detachable License section is enabled and you can detach a license so that you can run your software off the network. However, if there is only one license available when you run your software, it gets used and the Check Out button is unavailable (grayed out). Use this procedure to obtain the last network license:

1. Open the License Manager.

2. Select Local Hardware in the Search type list, and click OK.
3. Close and restart your software.

4. Return to the License Manager. No features are shown as licensed, but the Check Out button is enabled.

5. Click Check Out.

6. In the Check Out License dialog, select the server, specify the duration you need, and click OK to detach the license.

7. In the Search type list, select Local Software and click OK.

8. Restart your software. You should now have access to the last network license on your computer.

To perform other administrative tasks:

The Sentinel Admin Control Center provides numerous features that allow you to view and manage licensing information. For additional help, select Help in the Options navigation menu. Or, click the Help link located at the lower-right corner of the pages.

To upgrade a Sentinel network license:

You can upgrade the multi-user license on your Sentinel HASP network key to include new features, increase the maximum allowed number of concurrent users (license seats), or extend the warranty. Follow these steps:

1. Contact your dealer to request the update(s).

   After your request has been processed, you will receive an email containing your 19-digit update code. A separate code is required for each update you request.

2. Do either of the following, as applicable:

   - If TBC is installed on the server computer, open the License Manager dialog in TBC and click the Upgrade button to display the Trimble HASP License Updater window.

   - If TBC is not installed on the server computer, on the server computer desktop, select Start > All Apps > Trimble > HASP License Updater to display the Trimble HASP License Updater window. (You can install the stand-alone Trimble HASP License Updater application by selecting it in the Tools section of the TBC installation program.)

3. Copy the new 19-digit update code from the email and paste it into the field in the Trimble HASP License Updater window. Then click the Upgrade button.

4. When the upgrade is complete, open the Open HASP SRM Admin Control Center to view and manage licensing information as described earlier in this document.