



Network Licensing Read Me

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Network Licensing Read Me

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.

Note: You can install the Sentinel HASP Network key on any current Microsoft-supported server, and on Windows 8 and 10. In addition, you can install the key on a virtual computer as long as the virtual computer is on the same network as users' computers.

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.