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# License Transfer from Hardlock to Sentinel HASP Dongle

## Introduction

Your new version of BESA Research is protected by the **Sentinel HASP System**. Earlier BESA versions used the **Hardlock System**. Both systems include a protection key so called dongle that must be attached to a computer in your local network in order to start the BESA program. However, the dongles of the two systems differ from each other. Therefore, your current BESA license that is encoded on the blue or green Hardlock dongle needs to be transferred to the red Sentinel HASP dongle.

To transfer the license information from your old Hardlock to your new HASP dongle, you need the **Hardlock-HASP License Transfer Application**. It disables the Hardlock licenses and automatically transfers them to your HASP dongle (currently your HASP dongle is set to expire in a few weeks; this time limitation will be removed by the Hardlock-HASP License Transfer Application).

After the license transfer, your old Hardlock cannot be used anymore.

**Important:** Previous versions of BESA (5.2.4.48 and older) will not run with the new HASP dongle anymore! However, if you have BESA 5.2.4.48 installed and would like to keep using it with the new HASP dongle you can run an update patch that is available on our website at [www.besa.de/updates/besa](http://www.besa.de/updates/besa). The patch makes this version compatible with the new HASP system (new version label is then BESA 5.2.4.49). You can have both that BESA version and the new BESA Research installed on your computer.

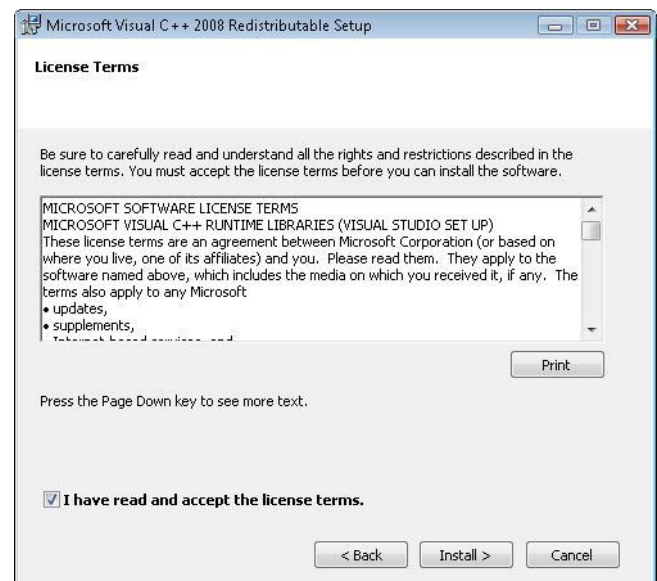
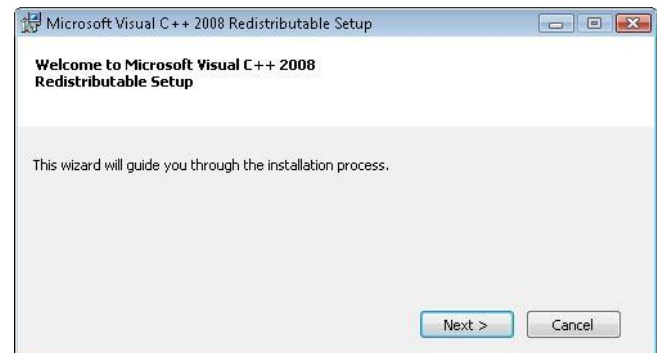
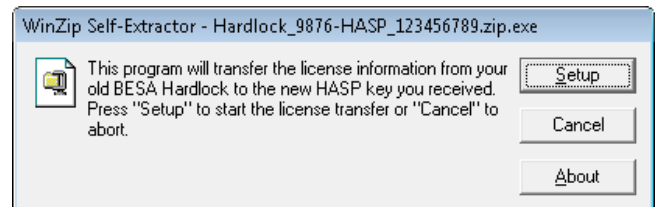
## License Transfer

To perform the license transfer from the blue or green Hardlock to the red HASP dongle, please follow the steps below:

1. Please have old Hardlock dongle(s) and your new HASP dongle(s) at hand for the license transfer.
2. The License Transfer tool requires that both the Hardlock drivers as well as the Sentinel HASP Environment are installed. We recommend that you perform the license transfer on the computer on which BESA Research is installed, because the installation of BESA Research installs the Sentinel HASP Environment automatically.
3. Make sure to have administrator privileges on your computer.
4. Download the required **Hardlock-HASP License Transfer Application** for your dongles on our website [www.besa.de/updates/license](http://www.besa.de/updates/license). On this page, insert your HASP ID (it is engraved on the red HASP dongle under the BESA logo). You will then be directed to the download page. Download the application and store it on your computer.
5. Each license transfer application is designed for a specific set of Hardlock/HASP dongles. The serial numbers of this set are specified in the file name. For example, the transfer application named **Hardlock\_9876-HASP\_123456789.zip.exe** transfers the license transfer of your Hardlock with the serial number **B(N)9876x...** to your new HASP dongle with ID **123456789**.
6. Now connect the blue or green Hardlock with the corresponding serial number to your computer.

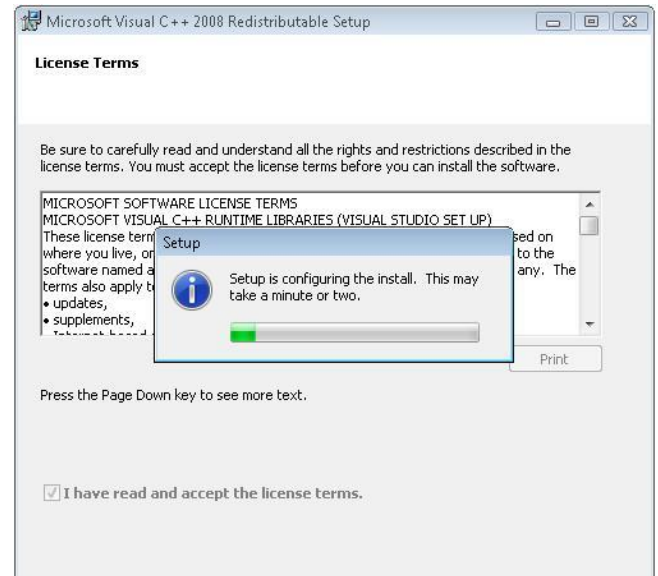
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7. Start the downloaded license transfer application and press the **Setup** button to continue.
8. The transfer application will ask you to install components of Visual C++. These components are required to run this application. When the Welcome Screen is displayed, press the **Next** button.  
**Note:** If some runtime components are already installed on your computer you will get a maintenance screen. Select **Repair** and press the **Next** button. Following please continue with step 12.
9. Please read the License Terms. If you accept it, select **I have read and accept the license terms** and press the **Install** button.

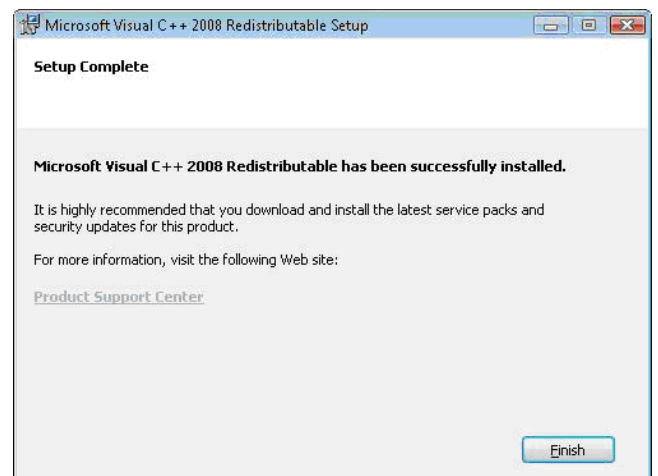


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10. Microsoft Visual C++ 2008 Redistributable is now being installed on your computer.



11. When the setup has completed, press the **Finish** button to continue.



12. Now the actual license transfer begins. First, the license is being removed from the blue or green BESA Hardlock dongle.

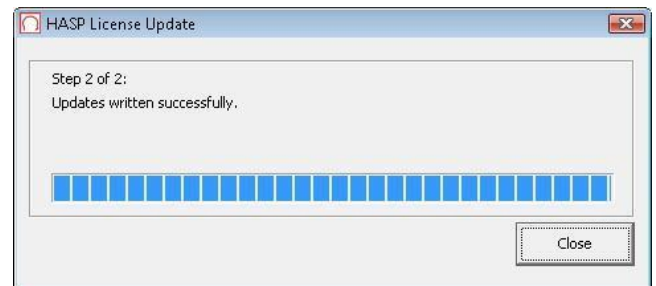


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13. In the next step, you are asked to connect the red HASP dongle to your computer. When you have done so, press the **Continue** button.



14. After the license transfer has completed successfully, press the **Close** button.



**Note:** During the license transfer, a log file will be written to the folder **My Documents\BESA\HL\_HASP\_Transfer.log**. If you encounter a problem, please contact our support team using the web-based interface on our web site <http://besa.de/contact/support/form.php>. Please note that we might ask you for the **HL\_HASP\_Transfer.log** file.