

Dongle Reprogramming

This page covers the process for reprogramming the USB license dongle.

Overview

To reprogram your dongle you need to have the dongle plugged in, the WIBU-KEY drivers installed, and the Chaos License Server installed and running.

You can download the [latest version of the License Server](#) from our web site.

If you do not have the necessary licenses on your dongle, it will have to be reprogrammed. Reprogramming a dongle is a two-part process:

- **Creating a .wbc file** – you need to create and send to Chaos a remote programming context file, which contains information identifying your specific dongle.
- **Updating the contents of the dongle** – Chaos sends you a file called .rtu file which can be used to update the licenses on your dongle.

Creating a .wbc File

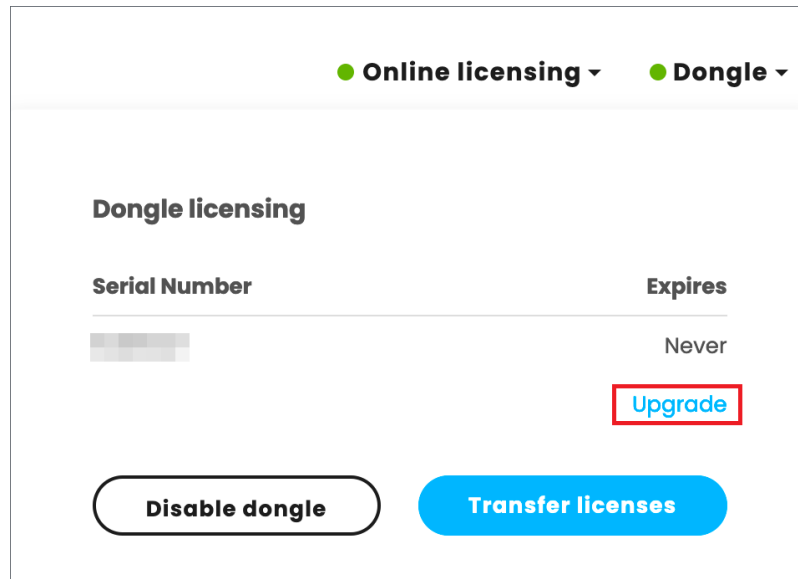
The remote programming context file (.wbc) file identifies your specific dongle and is needed to update it contents. If there are more dongles attached on the machine, the steps below will create one .wbc file containing information for all dongles. You need to have JavaScript enabled on your web browser.

1. Make sure you are running the latest version of the License Server. You can [download it from here](#).
2. Make sure your dongle is plugged in.
3. pen the [License Server's interface](#) in a web browser. You can do this by or typing the following link directly in the browser: <http://127.0.0.1:30304>

Please note that in order to update your dongle using version 5.0 or later of the License Server it is necessary to access it from the same machine where the dongle is plugged in.

Please keep in mind that by default the latest version of the License Server uses online licenses. It can also run with a dongle, but the dongle subsystem of the License Server has to be active at: <http://127.0.0.1:30304> (click here for more information on enabling the dongle service). The .wbc file generator cannot be accessed unless your dongle subsystem is active.

4. From the **Dongle** menu, choose **Upgrade**.



5. Follow the instructions on the DONGLE REPROGRAMMING page. Click **Create .wbc file now**.

Dongle reprogramming

If you do not have the necessary V-Ray licenses on your dongle, it will have to be reprogrammed. Reprogramming a dongle

1 Create a .wbc file

You will need to create and send to Chaos a remote programming context file, which contains information identifying

Create .wbc file now

2 Send the .wbc file to sales@chaosgroup.com

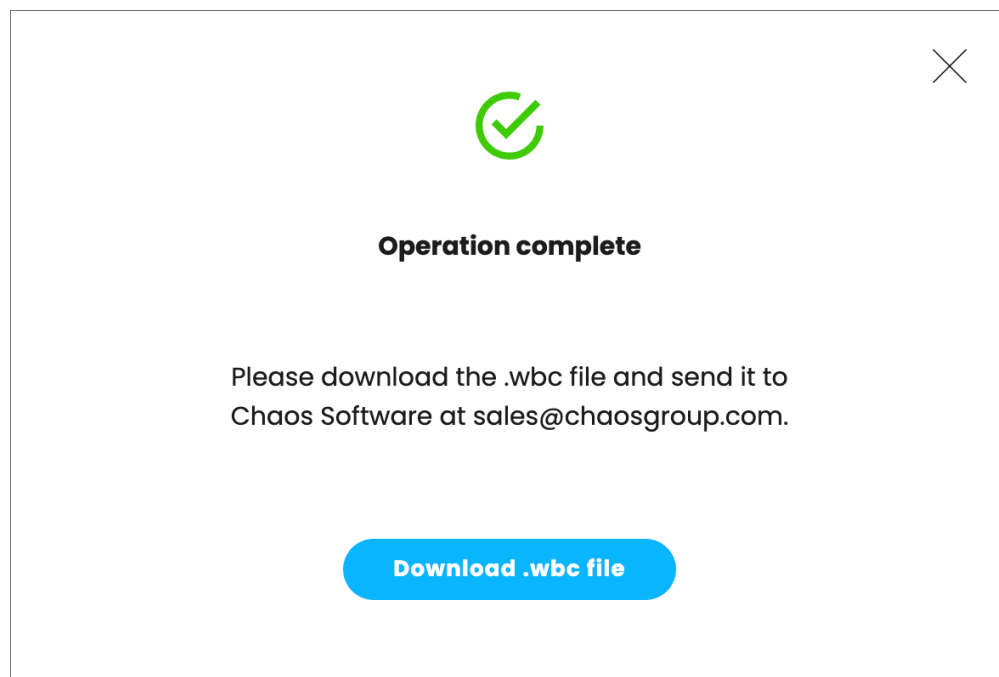
Email this file to sales@chaosgroup.com along with company and order information.

3 Update the contents of the dongle

Chaos will send you a **.rtu file** which can be used to update the license on your dongle. Double-click the saved **.rtu fi**
You will be asked to confirm the update.

 [Need help on dongle reprogramming?](#)

6. Wait until the .wbc file is generated. A confirmation screen will appear to notify you when the operation is complete. Click **Download .wbc file** and save the file on your machine.



7. Email this file to Chaos Support using the [form](#) along with your company and order information.

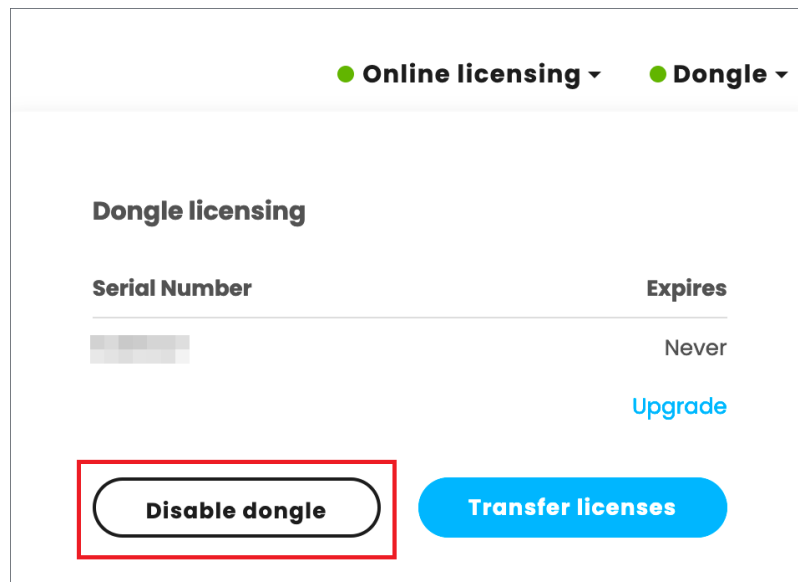
Updating the Contents of the Dongle

The support team at Chaos will use your ".wbc" file to generate one or more ".rtu" files and send them back to you. Each ".rtu" file is named with the serial number of the dongle that it is intended for. You can find the dongle serial number on its sticker.

Do not plug more than one dongle at a time while updating the contents of the dongle!

Windows

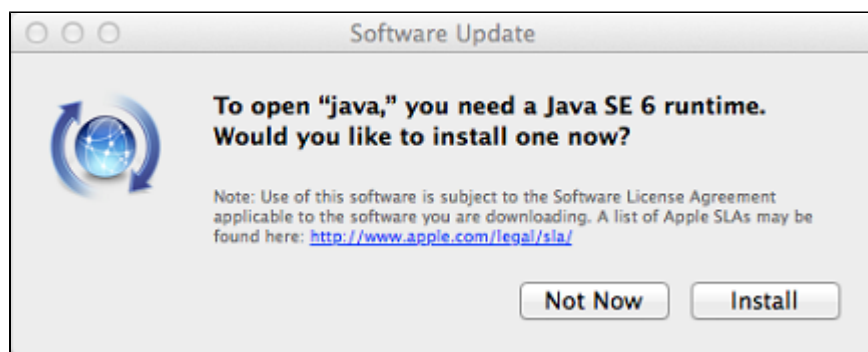
1. When you receive the ".rtu" file, save it on the machine where the dongle with the same serial number is plugged-in.
2. You need to make sure your dongle is disabled. To disable it from within the License Server, select **Disable dongle** from the **Dongle** menu.



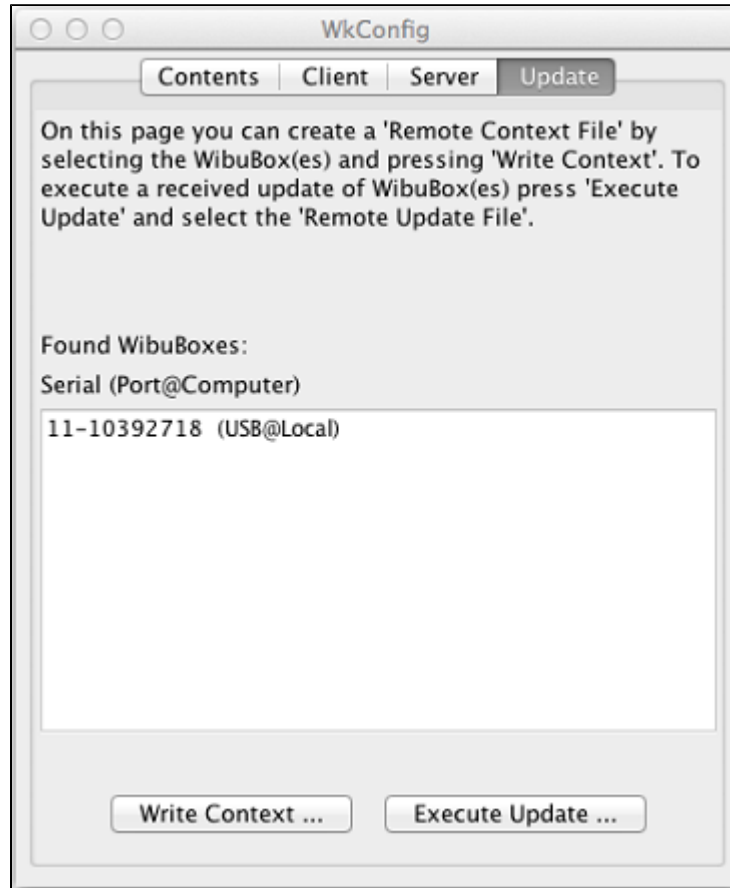
3. Double-click the saved ".rtu" file. You will be asked to confirm the transfer on the dongle. Click **Yes** to update your dongle.
4. Re-enable the dongle from the License Server by selecting **ENABLE DONGLE**.

macOS

1. When you receive the .rtu file, save it on the machine where the dongle with the same serial number is plugged-in.
2. Then open Finder and navigate to **/Applications/WIBUKEY/** folder and start **WkConfig**. The utility requires Java Runtime version 6 or higher to be installed. You will be prompted to install it if it is not already available on the system:



3. Go to the **Update** tab in the WkConfig window, chose **Execute Update** and select the **.rtu** file that you have received:



4. The license will be upgraded shortly – you can monitor the progress status in the License Server's web interface at <http://127.0.0.1:30304> in a browser.

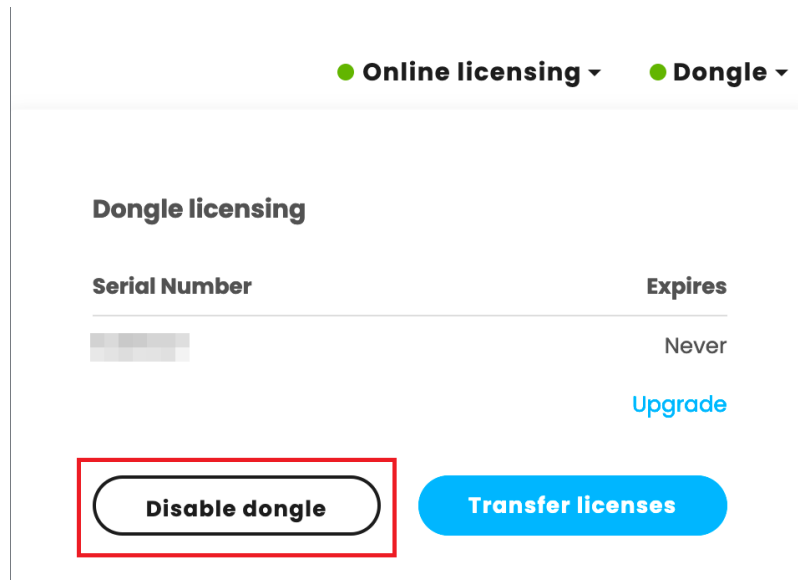
In case you experience difficulties with the Java installation or the upgrade through the WkConfig utility you can use the following command in a Terminal to upgrade the licenses on the dongle:

```
$ wku REMOTE USB SET FROM <full_path_to_the_.rtu_file>
```

The `<full_path_to_the_.rtu_file>` is the name and location of the `.rtu` file that you received from Chaos. For example: `/Users/<userName>/Desktop/myFile.rtu`

Linux

1. When you receive the “.rtu” file, save it on the machine where the dongle with the same serial number is plugged in.
2. You need to make sure your dongle is disabled. To disable it from within the License Server, select **Disable dongle** from the **Dongle** menu.



3. From a terminal window, enter the command:

```
$ wku REMOTE USB SET FROM <full_path_to_the_.rtu_file>
```

The `<full_path_to_the_.rtu_file>` is the name and location of the `.rtu` file that you have received from Chaos. For example: `/home/<userName>/Desktop/myFile.rtu`

4. Open the License Server's interface at <http://127.0.0.1:30304> in a browser and re-enable the dongle subsystem by selecting **ENABLE DONGLE**.

After the dongle is reprogrammed, you can check if the new licenses have been added successfully on the HOME page of the License Server interface.