



Operation of the USB License Dongle

Description: This note describes the steps required to set up, to use and to diagnose any issues associated with the USB License dongle

- 1. Dongle Software Installation**
- 2. Activating the license on the dongle.** Customers who purchase dongles and software licenses at the same time will receive the dongles already loaded with the license information, unless they request otherwise. In such cases, this step 2 can be skipped.
- 3. Using the dongle on the target computer**
- 4. Troubleshooting the dongle**

Inlite Research uses the Marx Crypto-Box dongles with the MPI interface. Inlite prepares the dongles for use with ClearImage licenses. The dongles cannot be purchased directly from Marx.

The links in this document refer to their web site at www.marx.com, which may be updated from time to time. If the links are expired then updated ones are available at this site.

1 Software Installation

1.1 Windows 2000/XP

Always, install the Marx software drivers **BEFORE** inserting the dongles into the computer

- Obtain the latest Marx drivers at:

<http://www.marx.com/ftp/pub/software/CRYPTO-BOX/MPI/cbsetup.zip>

- Extract the zip file contents to a convenient location
- Run the `CbSetup.exe` program to install the drivers



- **User Level** – you must be logged in as an Administrator or Power User in Windows



- **Dongle** – Select the Crypto-Box USB



- **Success** – The installation requires no more than a minute, and should display:



Notes:

- Insert the dongle in any USB port. There is no need to reboot the OS.
- **Install ClearImage COM SDK or UDK** – Download the latest ClearImage SDK release from: <http://www.inlitteresearch.com/homepage/download/download.html>.

1.2 Installing the Software Drivers under Vista

- Check http://www.marx.com/en/support/crypto_box/download.php#cb_smarx for the latest versions of the drivers.
- Obtain the Marx drivers at: http://www.marx.com/ftp/pub/software/CRYPTO-BOX/SmarxOS/windows/CBU_Vista32-64_2_7_0214.zip. Note that the specific link may change as they release new versions.
- Extract the zip file contents to a convenient location

- **User Level** – you must be logged in as an Administrator in Windows Vista
- Plug the dongle into any USB port of Computer.
- **Automatic Installation** At this point, the “New hardware found” wizard in windows will detect the presence of the dongle, and will ask for the location of the drivers. Point to the folder to which you extracted the zip files earlier. The installation will automatically complete.

2 Activating the ClearImage License on the Dongle

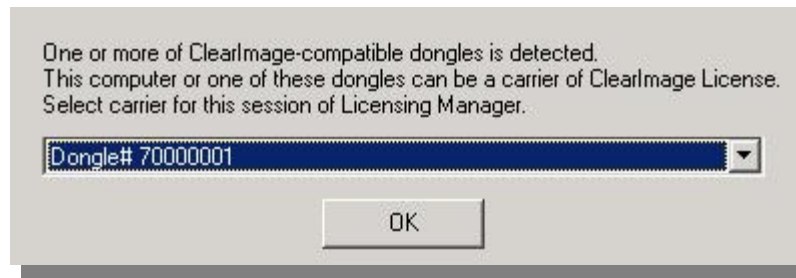
If the dongle was purchased with a license, then the license is probably pre-installed on the dongle. You can check for the presence of the license by running the license manager and looking at the registered products.

You can add licenses to a dongle in this way as well. For example, if the dongle holds a license for ClearImage Tools, you can add a license for ClearImage Repair. The license manager will prevent you from loading duplicate licenses.

2.1 Installing the license on the dongle

This procedure will add the license to a dongle.

- **User Level** – you must be logged in as an Administrator
- Start the ClearImage Licensing Manager, **at which point you must see the following message box:**

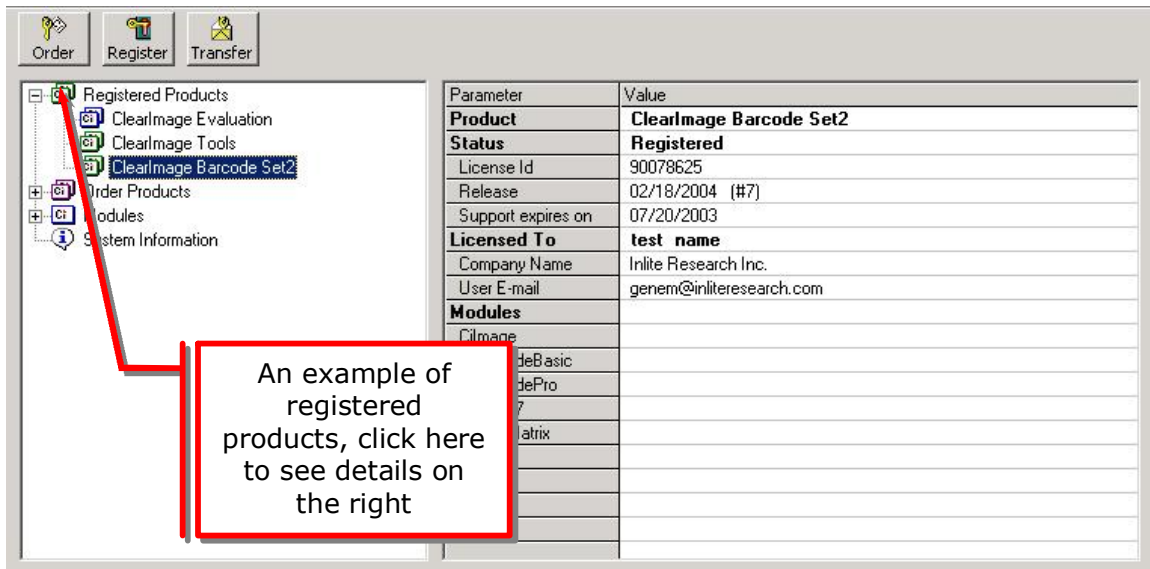


NOTE: If you do not see this prompt, the dongle software may not be installed correctly, or the dongle is not securely attached to its port, or some other problem may be preventing it from linking with the license manager.

- » Try reinserting the dongle, or putting into another port
 - » If the problem persists, see the Troubleshooting section below.
 - » The dongle number in the prompt is a serial number, it will be unique to each dongle, and should match the label on the dongle. You can track your licenses by this number.
- In the Licensing Manager, Select **Dongle** as the License carrier.
 - » **Internet Connection** – The computer that programs the dongle must be connected to the Internet, because the Offline registration over e-mail is not supported for dongle operations.

- » If your network uses a proxy server for security purposes, configure a Proxy Server in Licensing Manager, by selecting: *File -> Preferences...* and enter the Proxy Server parameters.
- Click the **Register** button, which opens the **Registration** dialog box.
 - » Enter the Certificate number in Registration dialog box. The information box shows the product name being registered on the system.
 - » If the product has already been licensed on the machine, the information box will show this condition and will not generate a duplicate license.
- Click the **Register** button. The licensing manager will then update the license database server and install it into dongle
- The dongle now contains a registered license. Now it can be used on any computer with USB port and installed drivers, including computers not connected to the Internet.

NOTE Dongles purchased at the same time as the license are shipped preloaded with the license. Therefore, you **DO NOT** need to **register** them. You can examine the status of the dongle by simply checking the list of Registered Products that show up in the Licensing Manager



2.2 License Usage

Any user level may execute applications that use the ClearImage COM server.

- On the target computer, insert an activated dongle into any available USB port, and keep it plugged in during the operation of the software.
- Start the applications that require ClearImage COM server.

3 Troubleshooting the Dongle

When the dongle presence is not detected by ClearImage engines or the Licensing Manager, even after reloading the drivers, please execute this procedure.

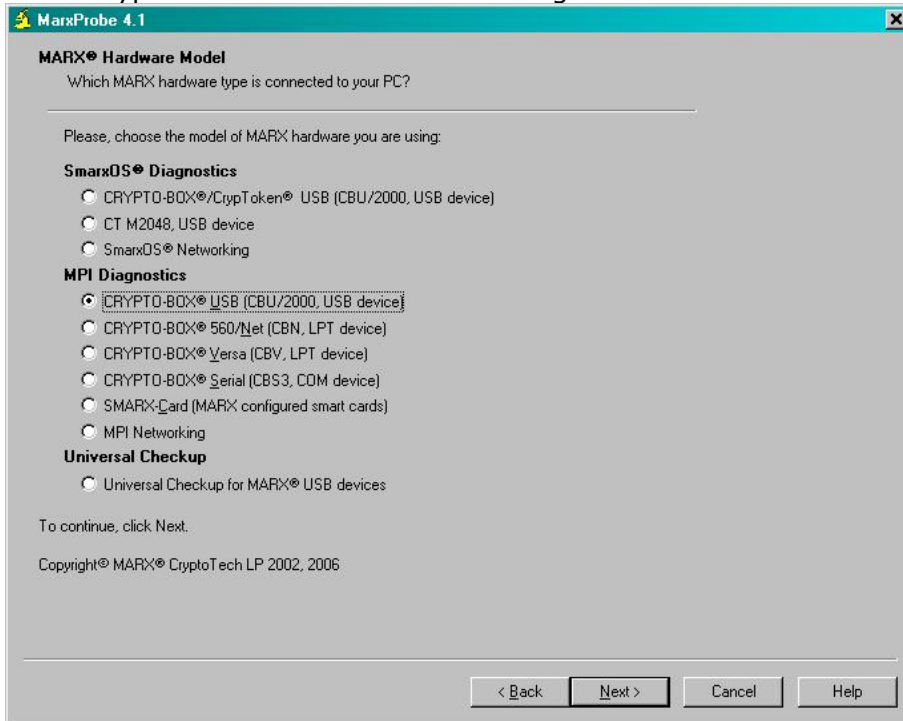
- Reboot the computer
- Insert the dongle in the USB port
- Obtain the Marx diagnostics at:

<http://www.inliteresearch.com/download/MarxProbe.zip>

- Extract the zip file contents to a convenient location
- Run the **MarxProbe.exe** program to execute the diagnostics



- Enter Crypto-Box USB under the MPI diagnostics



- The program will move through several diagnostic screens, and at the end will display the following report screen. If your dongle problem is not resolved, then please click on Save to File and email the file to support@inlitteresearch.com.

