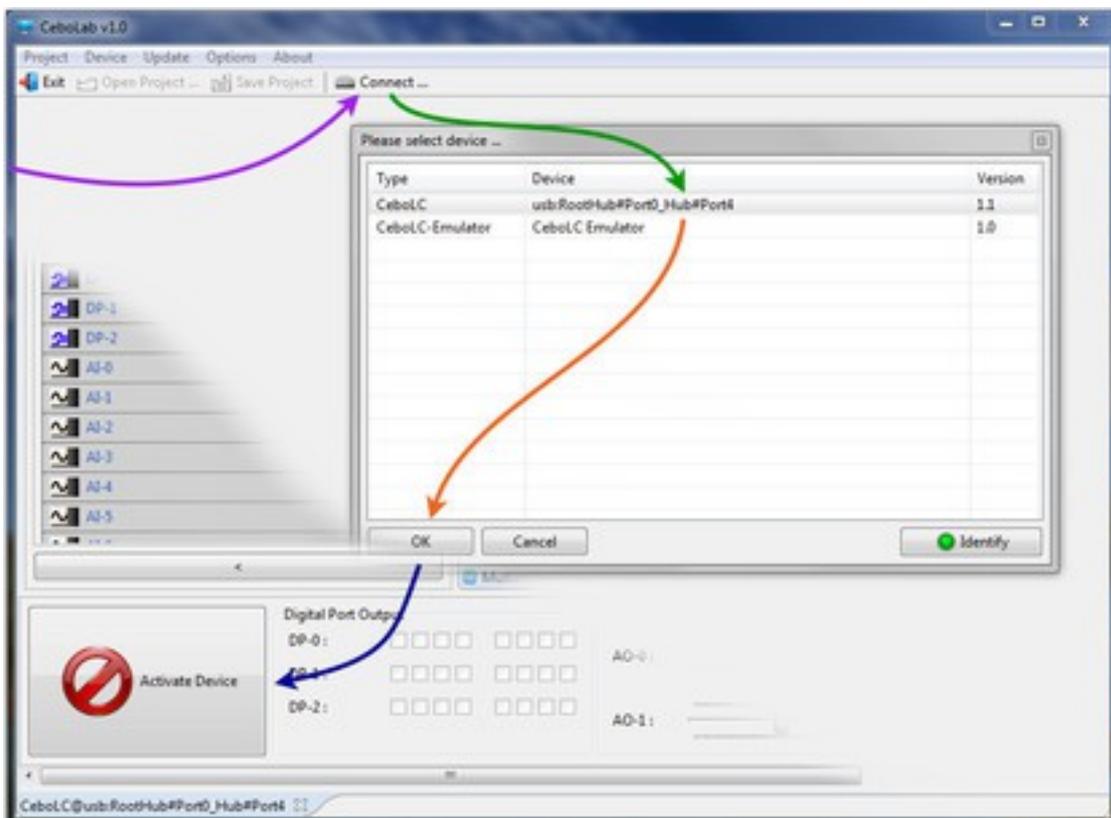# Quickstart CEBO

Quickstart Windows

- Download the latest installation package from our download site here.
- Start the downloaded file and follow the instructions of the installer.
  - If you have an older version installed, it is recommended to allow the installer to remove the old installation (Press **Yes** in the message box).
  - If you get the question to install the driver, allow it, otherwise the device can't be used.
  - It makes no difference if the device is connected or not during installation.
- Check if the device is connected to your PC now.
- The installer creates a link to CeboLab in the start menu, start this application.
- Click **Connect …** in the tool bar to open a device.
- Select the device from the list.
- Click on the **Activate Device** button in the bottom left corner.

Quickstart Linux

- Follow the Linux Installation Guide.
- Assure you have an JRE installed, as described in the dependencies section in this guide.
- Check if the device is connected to your PC now.
- The **install.sh** creates a link to CeboLab in the application menu, underneath Development/Programming, start this application.
- Click **Connect ..** in the tool bar to open a device.
- Select the device from the list.
- Click on the **Activate Device** button in the bottom left corner.

Linux Installation Guide

The Linux installation comes as gzip tar archive (.tar.gz). To install it, you have to do the following steps:

Download the archive

Extract it's contents

Run the system installation script using root privileges

The best way is to do the following tasks in a terminal:

```
wget http://www.cesys.com/downloads/Cebo/CeboMsr-1.2.tar.gz
tar xzf CeboMsr-1.2.tar.gz
rm CeboMsr-1.2.tar.gz
cd CeboMsr-1.2
sudo sh install.sh
```

The following things will happen when you do this:

- The archive is downloaded and extracted to the directory underneath the current (pwd).
- The **install.sh** is started:
    - Installs a udev rule to allow non-root users to access CeboMsr-Devices.
    - Install the core libraries to /usr/lib[64].
    - Add a link to CeboLab to the starter.

You can reverse these steps by calling **uninstall.sh** using root privileges and removing the newly created directory.

Compatibility

The installer, CeboLab and API's have been tested on the following distributions (both 32 and 64 bit installations):

- Ubuntu 12.04.1
- LinuxMint 13 (Cinnamon)
- openSUSE 12.2

Dependencies

There are some dependencies that can easily be fixed via the system update features (at least on the tested platforms):

CeboLab

Requires a JRE (Java Runtime Environment) to work. Do the following in a terminal to install the JRE on a fresh system:

- Ubuntu: **sudo apt-get install openjdk-7-jre**
- LinuxMint: nothing, jre already installed.
- openSUSE: nothing, jre already installed.

C++ API

Requires a g++ build environment.

- Ubuntu: **sudo apt-get install build-essential**
- LinuxMint: **sudo apt-get install build-essential**
- openSUSE: **sudo zypper install make gcc-c++**

.NET API

Requires MonoDevelop.

- Ubuntu: **sudo apt-get install monodevelop**
- LinuxMint: **sudo apt-get install monodevelop**
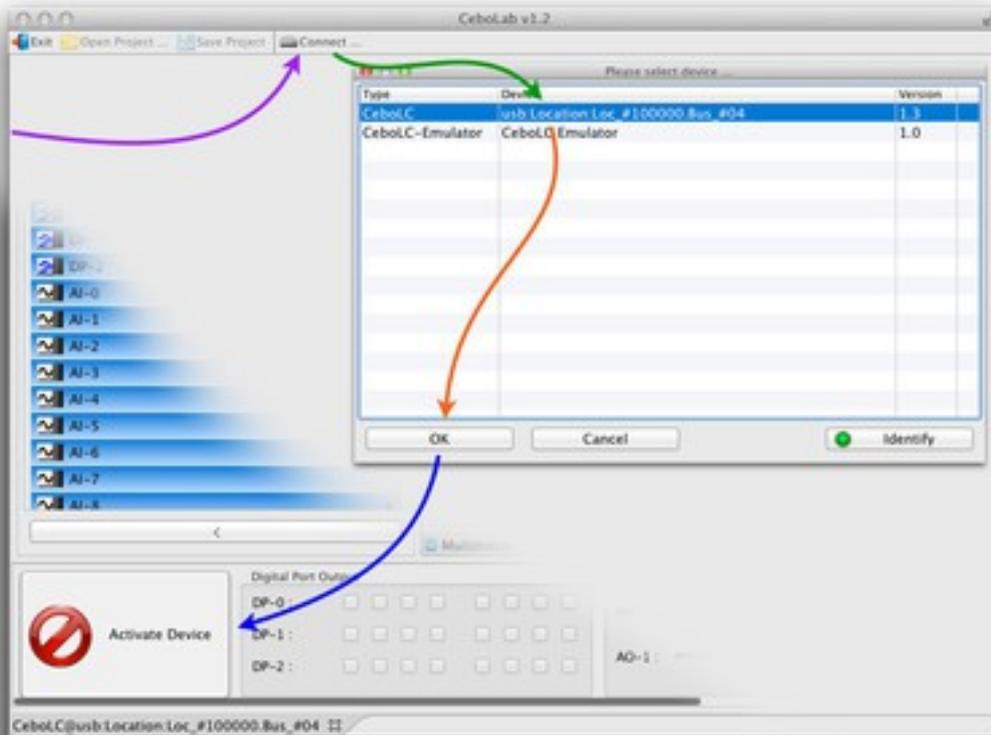- openSUSE: **sudo zypper install monodevelop**

Other Distributions

We have tested the CeboMsr components on the distributions listed above, but there

are good chances that they run on different distributions. The primary difference would be the dependencies and how to install them. Please read the manuals of your distribution about this.

Quickstart Mac OS X

- Download the Mac OS X version of CeboLab from here.
- Open the .dmg file and drag CeboLab to your Applications folder.
- Start CeboLab.
- Check if the device is connected to your Mac now.
- Click **Connect …** in the tool bar to open a device.
- Select the device from the list.
- Click on the **Activate Device** button in the bottom left corner.

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v1.0	April, 08 2014	Initial release.
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