ClockBuilder Pro Installation Guide

1. Export Regulations

ClockBuilder Pro (CBPro) is not authorized to create Orderable Part Numbers (OPNs) for products that are subject to export control regulations under ITAR. Do not use this software if you intend to create OPNs and do not have a license from the U.S. Department of State's Directorate of Defense Trade Controls (DDTC) to export the configuration files outside of the United States. Alternatives to OPNs are in-system volatile programming and customer managed non-volatile memory burn. Please review ClockBuilder Pro Tools & Support for In-System Programming documented bundled with CBPro for additional information and contact your local Silicon Labs sales office or distributor for assistance.

2. Updating an Existing Installation

You do not need to uninstall an **existing** CBPro installation before updating/installing a newer version CBPro. Simply proceed with normal installation procedure of newer version to complete the update. The installation process will appropriately update all required files.

3. Microsoft .NET Requirement for Installation

Microsoft .NET Framework 4.5 is required to run CBPro. The installer will check whether your PC already has .NET 4.5 installed. If it does not, it will download and install.NET 4.5 on your behalf. **This will require an Internet connection**.

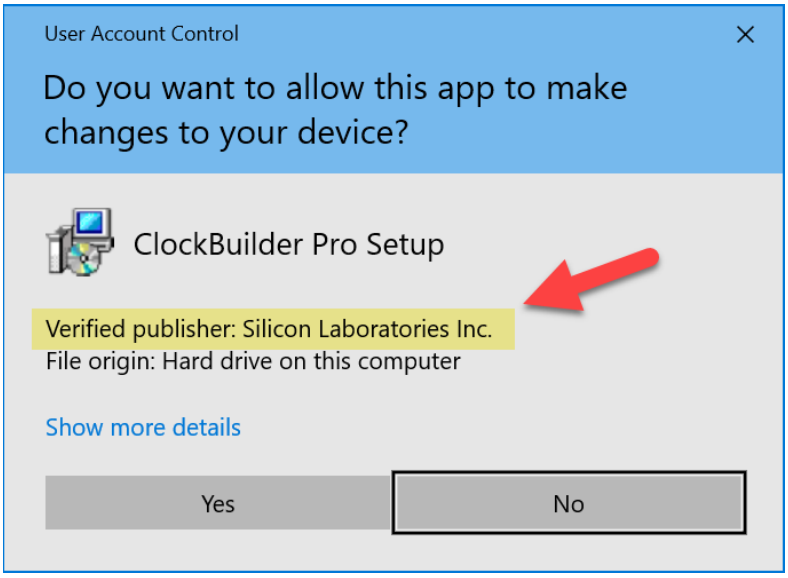
If you need to install CBPro on a PC that does not have an Internet connection and does not have .NET 4.5, you can download Microsoft's stand-alone installer from:

https://www.microsoft.com/en-us/download/details.aspx?id=42642

In this case install .NET 4.5 **before** running the CBPro installer.

4. Initial Installation Walk-Thru

Run CBPro installation executable. The following window should open:



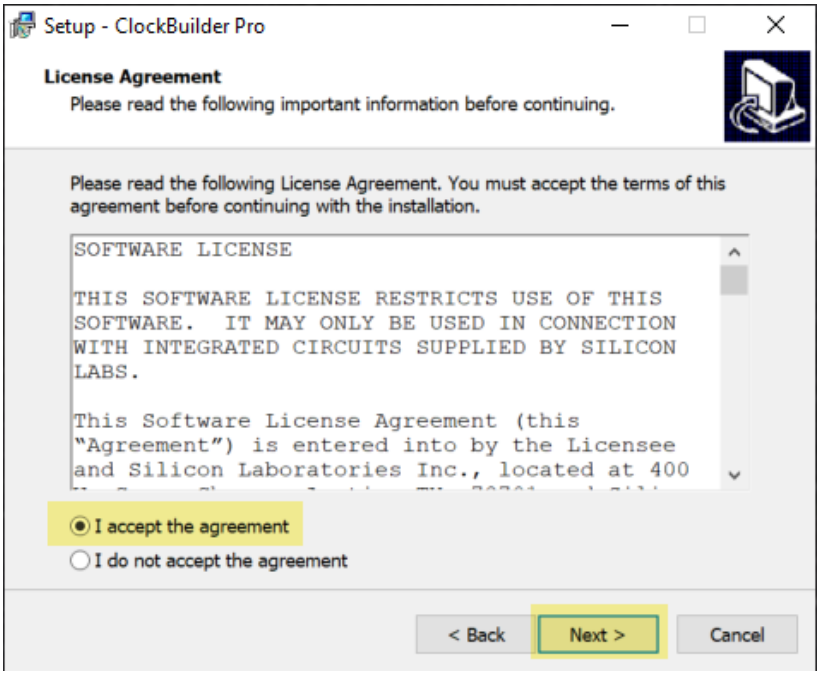
Ensure that you see the verified publisher text above. The CBPro installer is digitally signed by Silicon Labs. If this is not shown, you have an installer that has been tampered with or is inauthentic.

Once you click Yes, you should see:

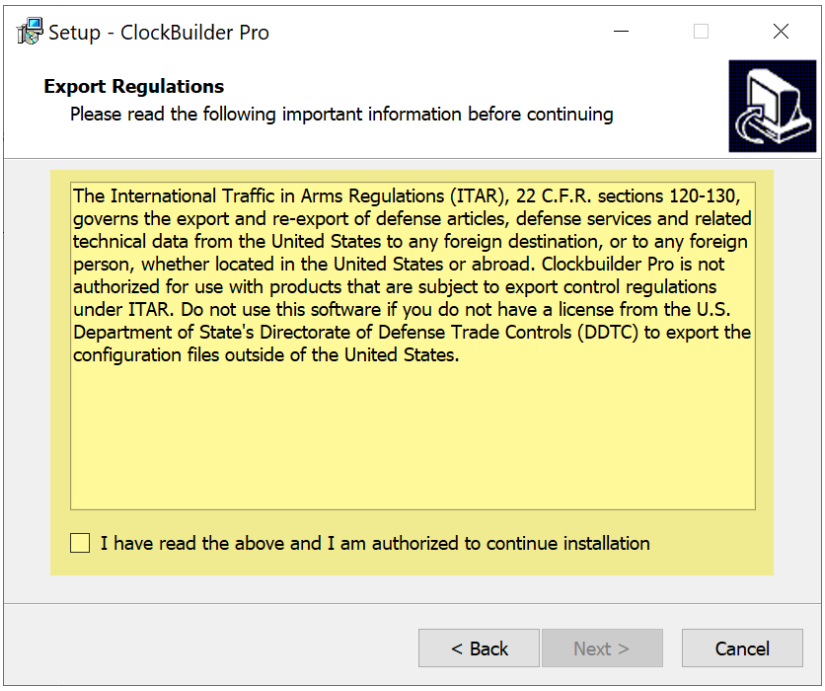


Click on 'Next' to proceed with installation.

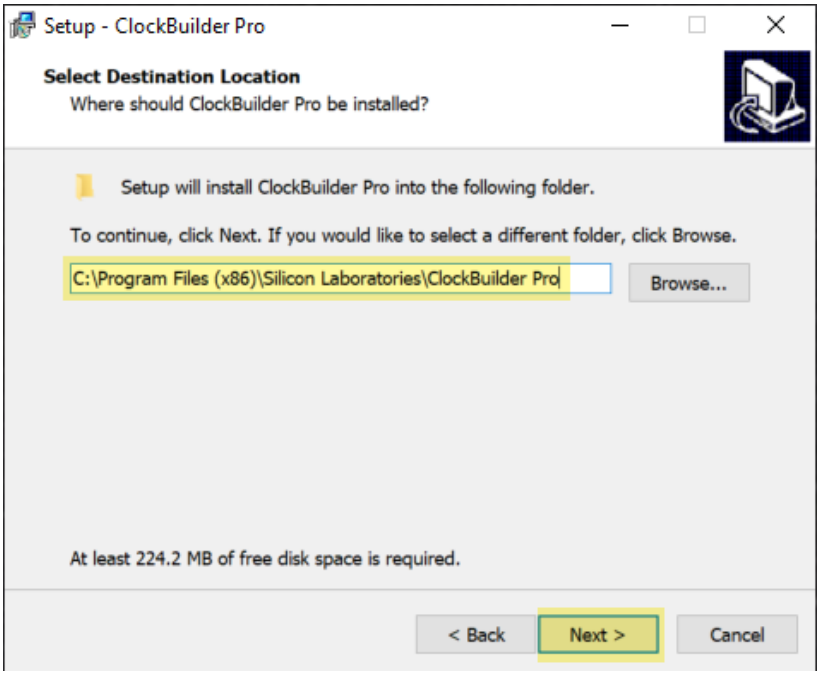
Read the license agreement and, if you agree, accept the License Agreement and click on “Next”



Review information regarding export regulation and CBPro and make selection appropriate for your use/company:



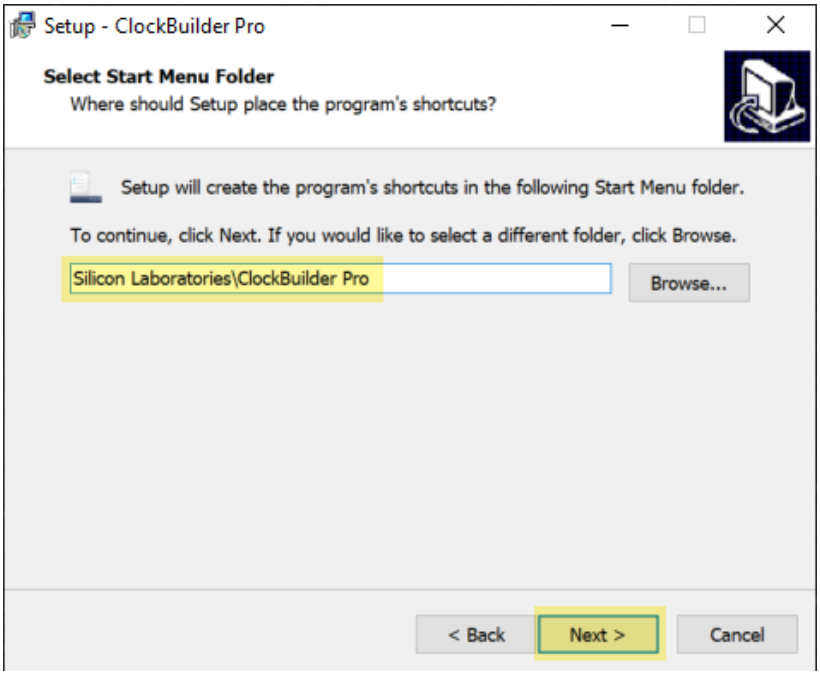
If you continue installation, you will be prompted to specify the folder to install CBPro to:



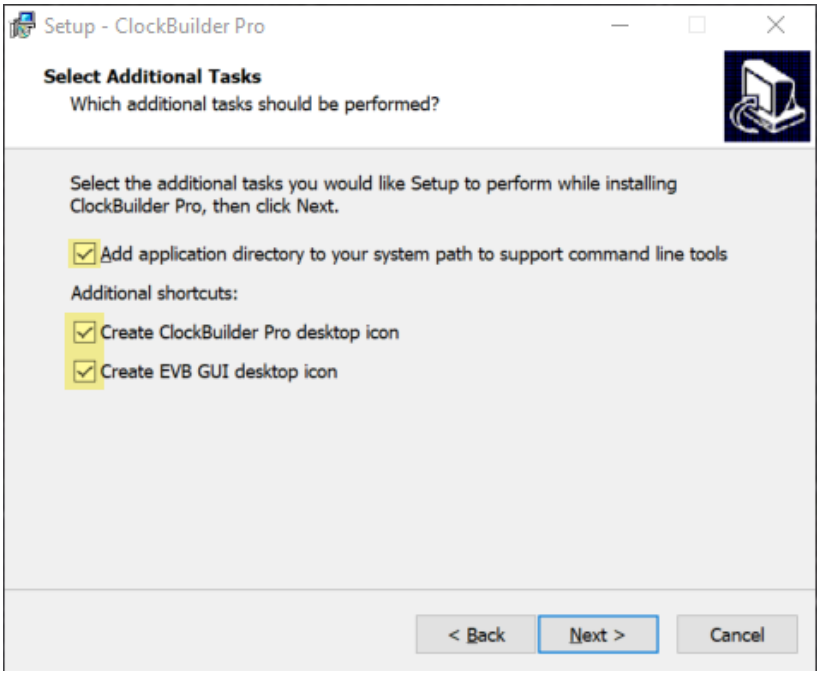
Normally you will accept the default. CBPro does support installing multiple copies to different folders. If you would like to install CBPro to a different folder, we recommend typing in a suffix to to the default folder name. For example, “ClockBuilder Pro 2.44”.

Click Next> when ready to continue.

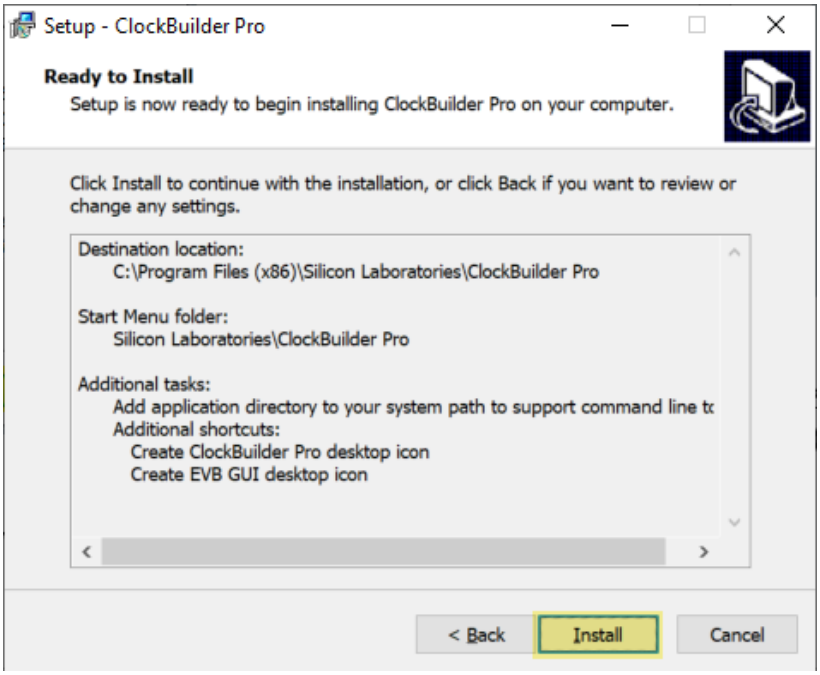
You are next presented with a page to select what Windows Start Menu folder shortcut names to use. If you have only installed one copy of CBPro (or are overwriting the current version), just accept the default. If you are installing a second+ version of CBPro, type in a unique name such as “ClockBuilder Pro 2.44” to help identify it.



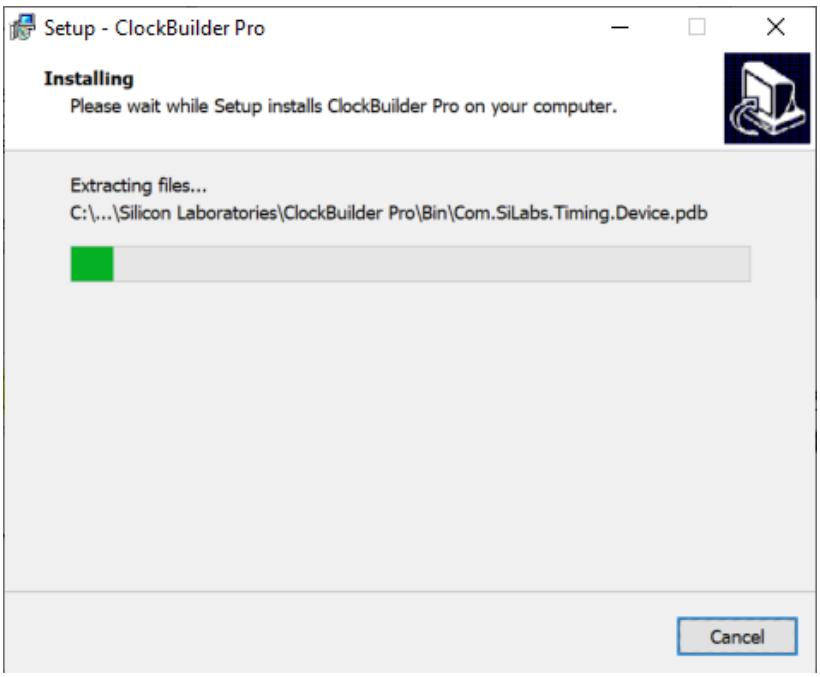
Select any additional tasks to perform during installation, then click “Next”.
(We recommend using the default settings as shown.)



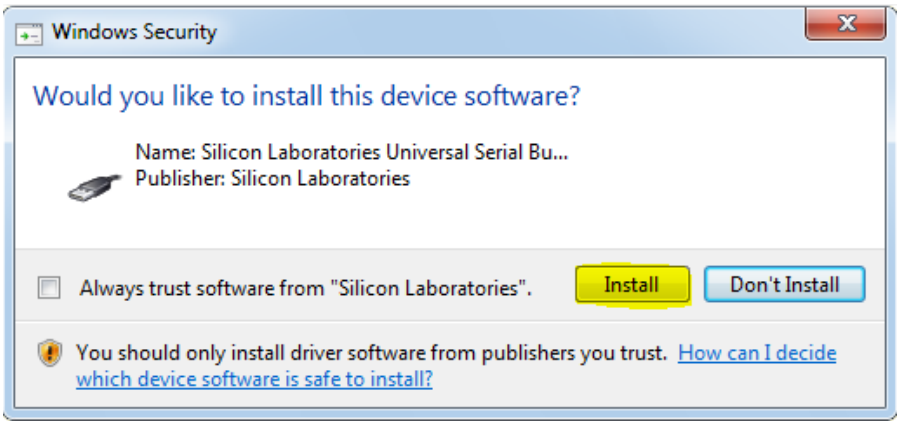
Click “Install” to begin installation.



Installation will now proceed…



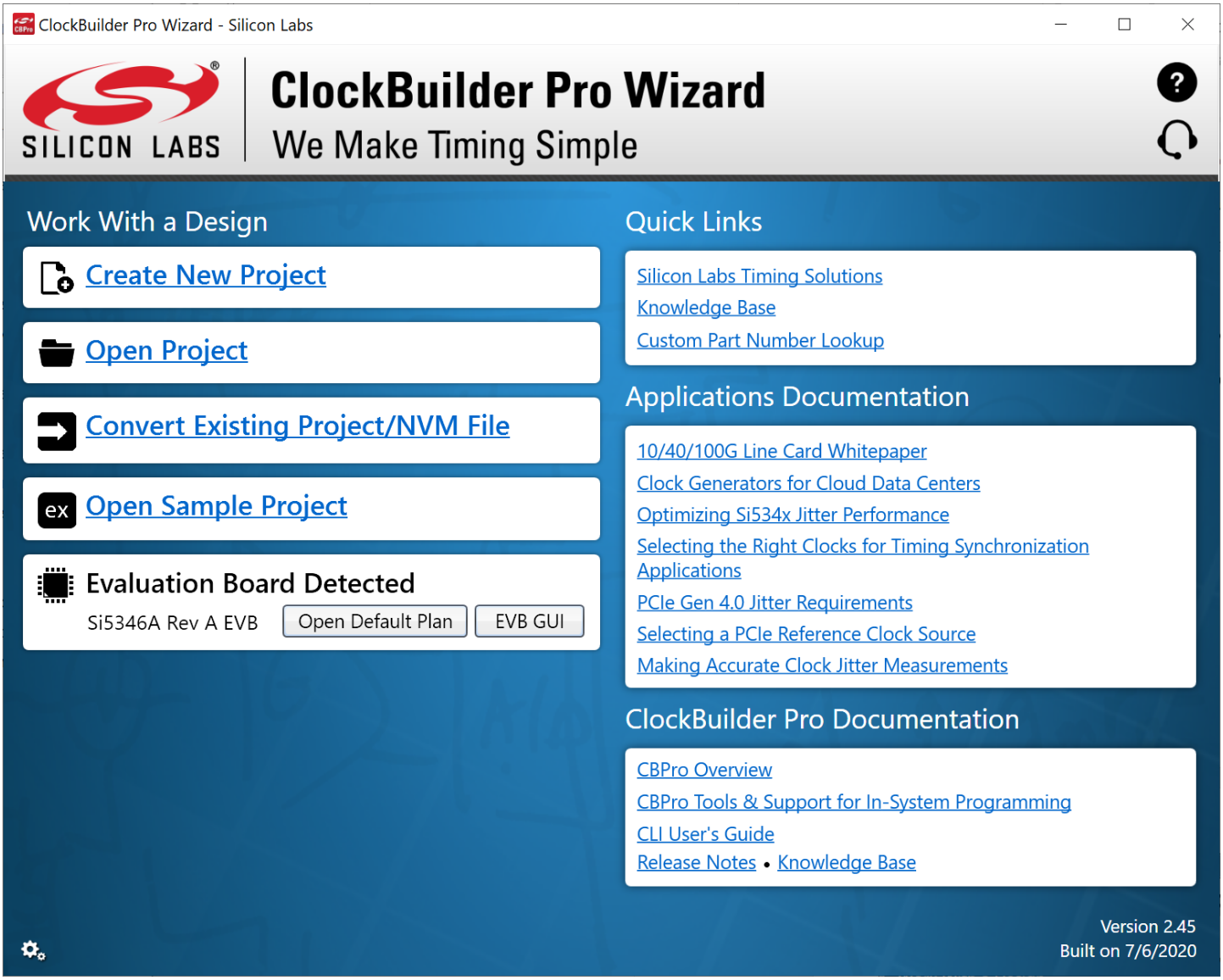
Note: If this is your first time installing CBPro on this PC, you will be prompted to allow the installation of the EVB's USB driver to continue. If prompted with:



Click Install.

You do not need to have the EVB attached via USB cable to install the driver.

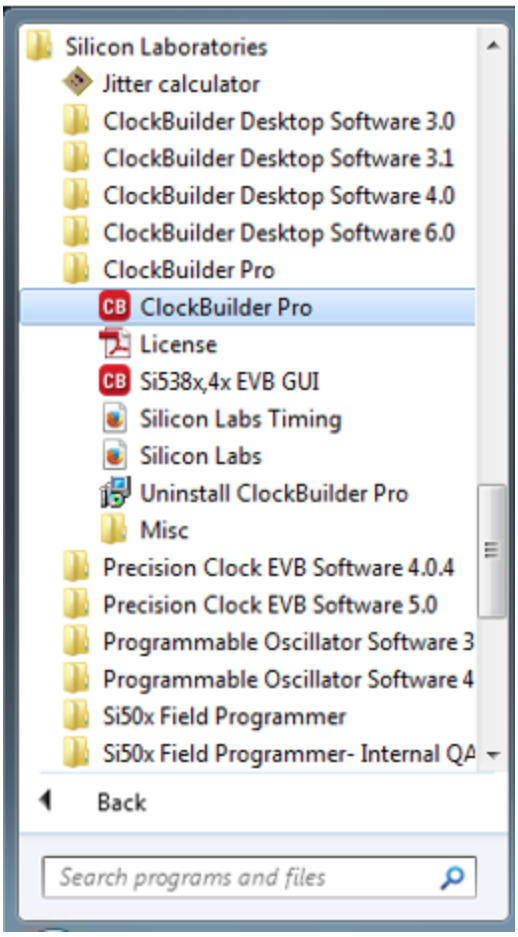
Once installed, ClockBuilderPro will run and the following window should appear.



For easy access to CBPro, a desktop icon should appear as shown below. You can click on icon to start CBPro directly from your desktop:



Also, CBPro should be available in your Windows “Start Menu” Program list under “Silicon Labs” folder as shown below (based on default selection).



Congratulations! Your CBPro installation is now complete. Enjoy creating your own custom clock device configuration using the industry's most advanced and flexible clocking devices!

Thank you for choosing Silicon Labs!