

Series III Programmer

Installation Manual



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Operating System Support and What's New in Version 2.2

Datakey Series III Programmer Software Version 2.2 runs on Microsoft Windows 10 and Windows 11 operating systems. Version 2.2 no longer uses the kernel mode driver that was used by previous versions of the software. Version 2.2 uses Microsoft's WinUSB driver. This change should eliminate some compatibility issues that were seen with the kernel mode driver and various Microsoft tools/features, such as: Device Guard, Hypervisor-Protected Code Integrity and Memory Integrity.

This manual shows the installation process for Microsoft Windows 10. The process for Windows 11 is similar.

Installing the Sample Application Software

There are two versions of the Datakey Series III Programmer Software. The Install software (part number 180-0394-000 Rev. G) is included with the purchase of a Datakey Series III Programmer. It includes:

- the driver software
- documentation
- sample applications in executable (object code) form

The SDK software (part number 180-0404-000 Rev. H) is included with the purchase of a Datakey Series III Serial Development Kit (SDK). It includes:

- the driver software
- documentation
- sample applications in executable (object code) form
- source code and project files for the sample applications

Three versions of the sample application are included:



- C++ (Visual Studio 2022)
- C# (Visual Studio 2022)
- Visual Basic (Visual Studio 2022)

The installation process is shown for installing the C++ sample application. The installation process for C# and Visual Basic are similar.

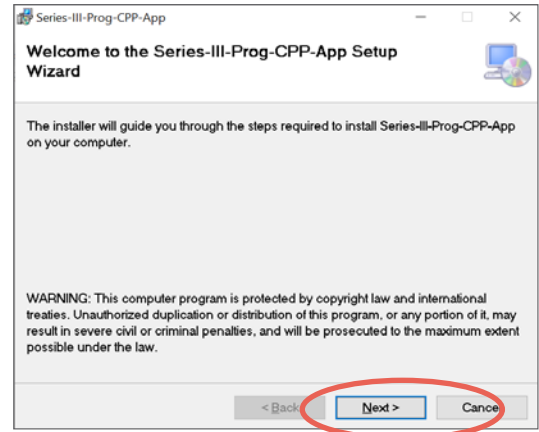
1

Insert the USB flash drive containing the Datakey software, or if you have downloaded the software from the Datakey website, unzip it. Next, migrate to the CPP folder. The folder should contain the two files as shown to the right.

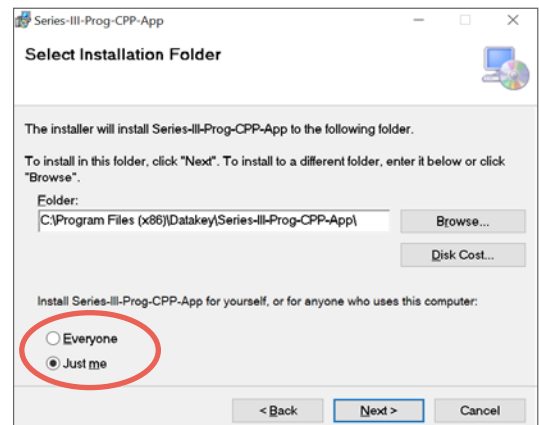
Double-click on **setup.exe**.

 **setup.exe** **Setup-Series-III-Prog-CPP-App.msi**

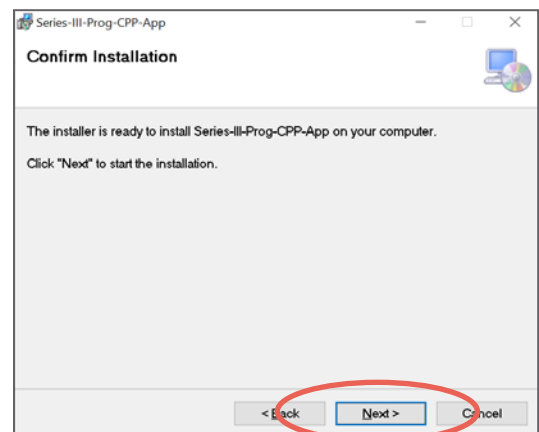
2 The Setup Wizard screen launches. Click **Next**.



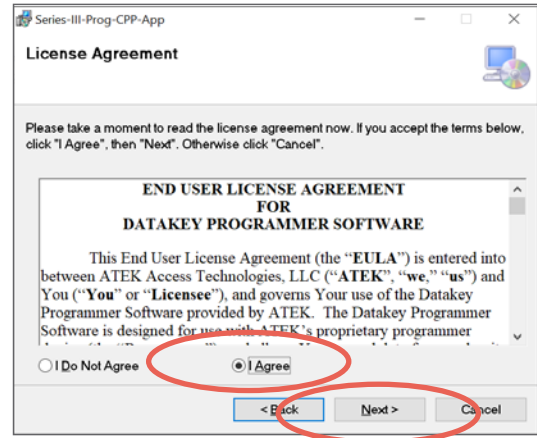
3 Choose whether to install the program for **Everyone** or **Just me** and click **Next**.



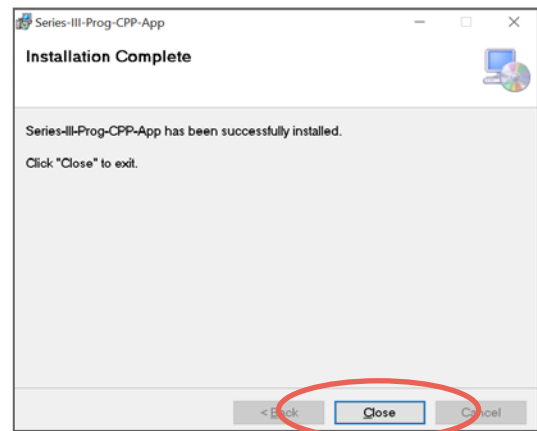
4 At the Confirm Installation step, click **Next**.



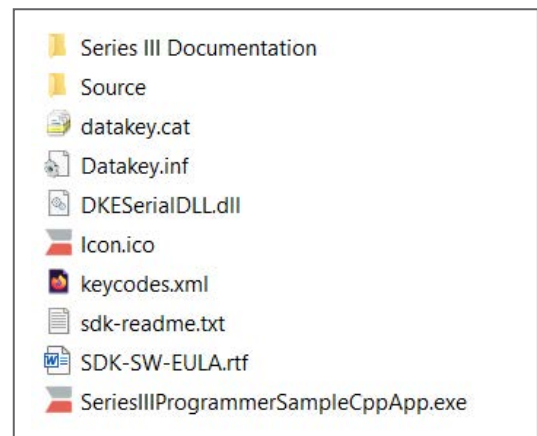
- 5 Review the End User License Agreement (EULA), click **I Agree** and then click **Next**.



- 6 At the Installation Complete step, click **Close**.



- 7 In the Start Menu, you should now have a Datakey folder with the **Series III Programmer Sample Cpp App VS2022**. Migrate to the installation folder (typically C:\Program Files (x86)\Datakey\Series-III-Prog-CPP-App) to view the files associated with this sample application. NOTE: The Source folder is only installed with the SDK software.



Installing the Device Driver

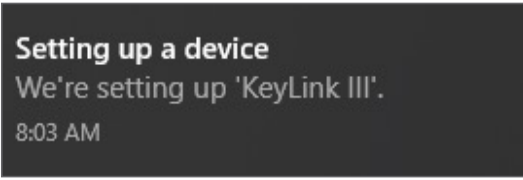
In order for the host computer to be able to communicate with the programmer, a suitable device driver will need to be installed on the host computer. Plug the Datakey Series III programmer into an open USB port on a Windows 10 or Windows 11 computer. The Microsoft Windows operating system will automatically detect the programmer when it is connected. When the programmer is plugged into a USB port for the first time Windows may display a message like the one shown on the right, stating that, “We’re setting up ‘KeyLink III’.”

Shortly thereafter, Windows will display a second message stating that, “‘KeyLink III’ is set up and ready to go.”

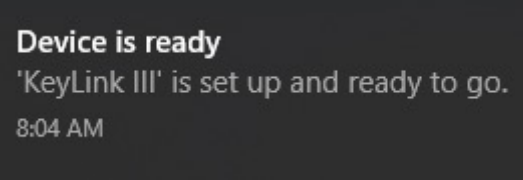
Note: In the messages above and in Device Manager the Datakey programmer will show up as “KeyLink III” regardless of whether the programmer is a KeyLink III, SlimLink III, BarLink III, etc.

Despite the message saying that “‘KeyLink III’ is set up and ready to go,” before the programmer can be used, the driver setup process must be completed by launching Device Manager.

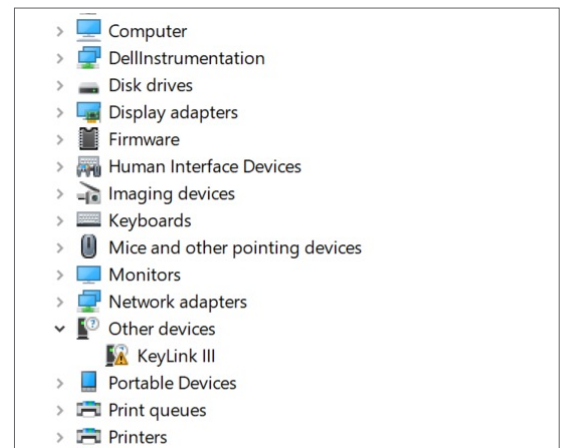
- 1 In Device Manager, right-click on **KeyLink III** and select **Properties**. See figure on right.



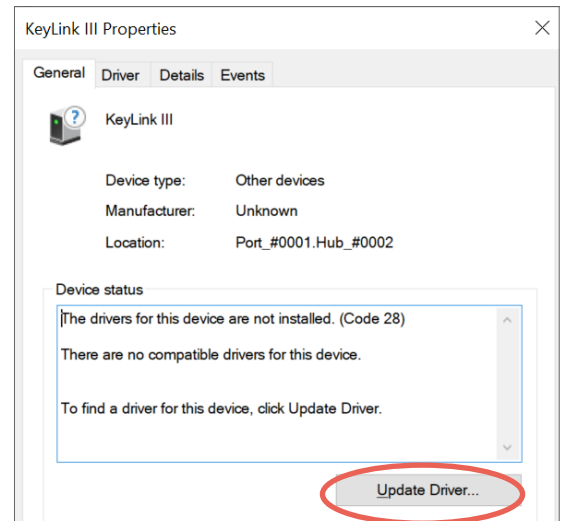
Setting up a device
We're setting up 'KeyLink III'.
8:03 AM



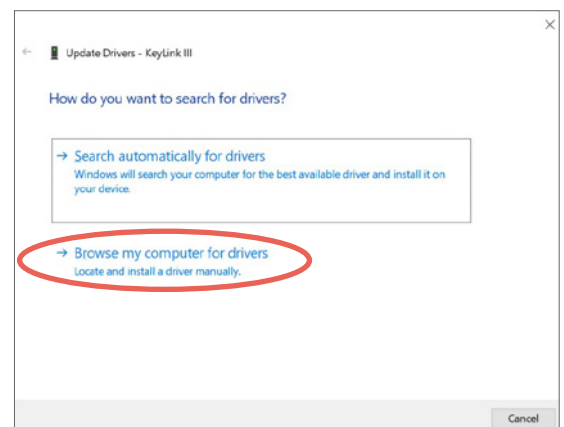
Device is ready
'KeyLink III' is set up and ready to go.
8:04 AM



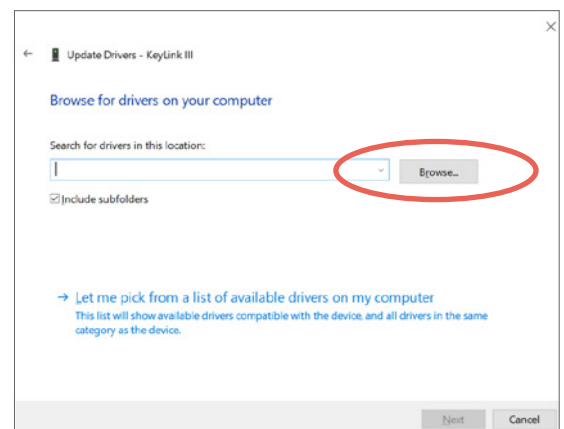
2

Click on the button labeled **Update Driver**.

3

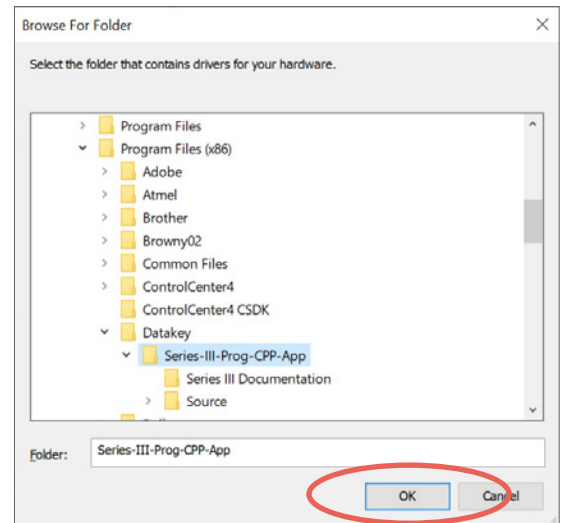
Select **Browse my computer for drivers**.

4

Click the **Browse** button.

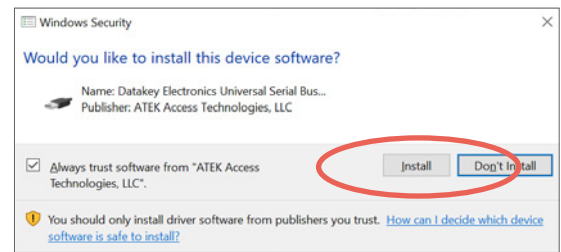
- 5 Select the folder where you installed the sample application.
For example:
C:\Program Files(x86)\Datakey\Series-III-Prog-CPP-App

Click **OK** and then click **Next**.

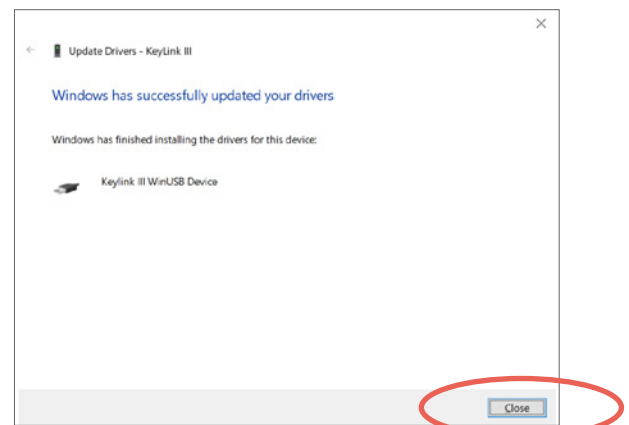


- 6 A Windows Security message is displayed asking you whether you would like to install this device software.

Click **Install**.

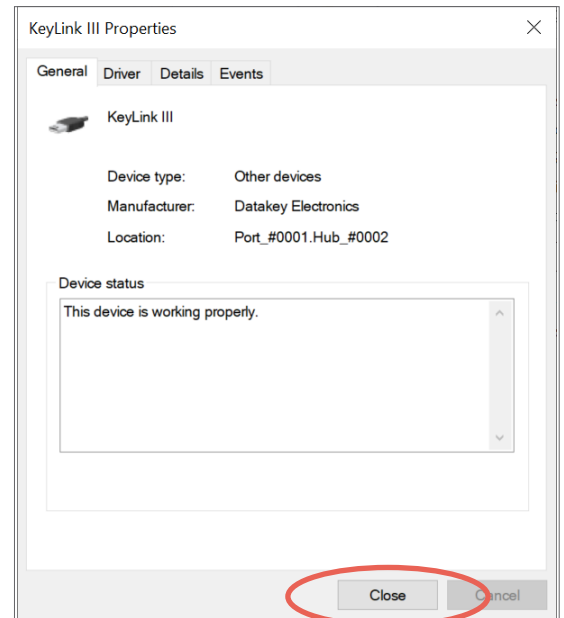


- 7 If successful, the message stating that “Windows has successfully updated your drivers” appears. Click **Close**.



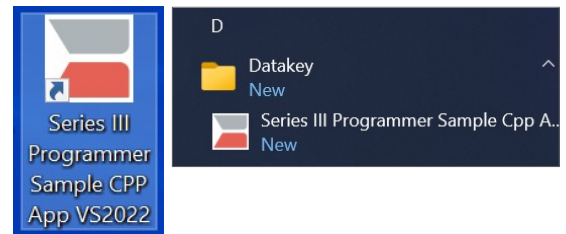
- 8 Device Manager should now show that the KeyLink III device is working properly.

Click **Close**.



Launching the Sample Application Software

The Sample application may now be launched by double-clicking the icon on your desktop or by navigating to it using the Windows Start menu.



Installing the Development Kit Software

When a development kit is purchased, the software comes with the complete source code – including the solution, project and installer files for each of the compiled applications. During the software installation process, the source code is copied to a folder called Source located in the folder where you installed the sample application. For example: C:\Program Files(x86)\Datakey\Series-III-Prog-CPP-App\Source. The Source folder will contain a single zip file.

- 1 From within the Source folder, extract the contents of the zip file.
- 2 Using Visual Studio 2022, open the solution file, **SeriesIIIProgrammerSample.sln**. Examine, edit and rebuild the solution as needed.

223-0157-000 Rev. D 8/24

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