

# 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.



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.



The Setup	Wizard	screen	launches.	Click	Next.

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Series-III-Prog-CPP-App	-		$\times$
Welcome to the Series-III-Prog-CPP-App Setup Wizard			
The installer will guide you through the steps required to install Seri on your computer.	es-III-Pro	og-CPP-	Арр
WARNING: This computer program is protected by copyright law an treaties. Unauthorized duplication or distribution of this program, or result in severe civil or criminal penalties, and will be prosecuted to possible under the law.	nd intern any porti the max	ational on of it, imum e	may xtent
< Back		Cano	e

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

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

📅 Series-III-Prog-CPP-App		-		×
Select Installation Folder				5
The installer will install Series-III-Prog	-CPP-App to the	following folder.		
To install in this folder, click "Next". T "Browse".	o install to a differ	ent folder, enter	it below c	or click
Eolder:				
C:\Program Files (x86)\Datakey\Se	eries-III-Prog-CPP	-App\	Brows	е
			Disk Co	ost
Install Series-III-Prog-CPP-App for y	ourself, or for any	one who uses this	compute	r
	< Back	<u>N</u> ext >	_ C	ancel





Review the End User	License Agreement (EULA), click <b>  Agree</b>
and then click <b>Next</b> .	

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

🛃 Series-III-Prog-CPP-App	-		×
License Agreement			5
Please take a moment to read the license agreement now. If you a click "I Agree", then "Next". Otherwise click "Cancel".	ccept	the terms	below,
END USER LICENSE AGREEMEN FOR	T		^
DATAKEY PROGRAMMER SOFTWA	RE		
This End User License Agreement (the "EULA between ATEK Access Technologies, LLC ("ATEK", You ("You" or "Licensee"), and governs Your use of Programmer Software provided by ATEK. The Datak Software is designed for use with ATEK's proprietary	") is ( " <b>we</b> , the D by Pro progra	entered " " <b>us</b> ") atakey ogramme ammer	into and er
O I Do Not Agree			•
< <u>B</u> ick Next :	•	G	ncel



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.



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## **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.

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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 <b>Update Driver</b> .	KevLir	k III Properties	×
	·	Gene	ral Driver Details Events	
				٦
			Device type: Other devices	
			Manufacturer: Unknown	
			Location: Port_#0001.Hub_#0002	
		D	evice status	
		'n	he drivers for this device are not installed. (Code 28)	
		т	here are no compatible drivers for this device.	
		т	o find a driver for this device, click Update Driver.	
			↓ Undate Driver	
				×
(3)	Select Browse my computer for drivers.	- 1	Jpdate Drivers - Keylink III	
Ŭ		Но	w do you want to search for drivers?	
		<b>→</b>	Search automatically for drivers Windows will search your computer for the best available driver and install it on your device.	
			Browse my computer for drivers Locate and install a driver manually.	
		7	Cance	H
$\frown$				
(4)	Click the <b>Browse button</b> .	← ∎	Jpdate Drivers - Keylink III	×
		Bro	wse for drivers on your computer	
			and favo del service la della la constitució	
		⊡r	clude subfolders	)
		÷	Let me pick from a list of available drivers on my computer This list will show available drivers compatible with the device, and all drivers in the same category as the device.	

Next Cancel



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**.

Select the	folde	r that contains drivers for your hardware.	
;		Program Files	^
		Program Files (x86)	
	>	Adobe	
	>	Atmel	
	>	Brother	
	>	Browny02	
	>	Common Files	
	>	ControlCenter4	
		ControlCenter4 CSDK	
	۷	Datakey	
		Series-III-Prog-CPP-App	
		Series III Documentation	
		> Source	~
Folder:	Ser	ries-III-Prog-CPP-App	

# Windows Security Would you like to install this device software? Name: Datakey Electronics Universal Serial Bus... Publisher: ATEK Access Technologies, LLC Aways trust software from "ATEK Access Install Don't in tall You should only install driver software from publishers you trust. How can I decide which device software is safe to install?

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Click Install.

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If successful, the message stating that "Windows has successfully updated your drivers" appears. Click **Close**.

A Windows Security message is displayed asking you whether

you would like to install this device software.

		×
÷	Update Drivers - KeyLink III	
	Windows has successfully updated your drivers	
	Windows has finished installing the drivers for this device:	
	Keylink III WinUSB Device	
	$\sim$	Close

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**Datakey** The power of memory. Secured.

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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.

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From within the Source folder, extract the contents of the zip file.

Using Visual Studio 2022, open the solution file, **SeriesIIIProgrammerSample.sln**. Examine, edit and rebuild the solution as needed.

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