

Series III Programmer

Installation Manual



Table of Contents

Connecting the Programmer	2
Installing the Device Driver	2
Installing the Application Software	5
Installing the Development Kit Software	6
Glossary	6

www.datakey.com



Connecting the Programmer

A programmer (also known as a reader or reader/writer) communicates with a host computer via USB, utilizing an A-to-B cable. USB Type-A and Type-B connectors and their signal pinouts are pictured here for reference. (See **Figure 1**.) Connect the Type-B end to the programmer and the Type-A end to the host computer. The programmer is powered by the USB port of the host computer and operates at USB full speed, which allows data rates up to 12 Mbits/s.



Figure 1: USB A/B Connectors and Pinout Chart

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. The Microsoft Windows operating system will automatically detect the programmer when it is connected, but the appropriate device driver for the host computer's operating system (whether it be 32-bit or 64-bit) must be selected. A typical installation process for the Microsoft Windows 7, 64-bit operating system is described below. Installations on other Microsoft Windows operating systems will behave similarly.¹

When first connected, the programmer will be displayed within **Device Manager** under **Other devices** as **KeyLink III**. To install the appropriate device driver, do the following:



Right-click on **KeyLink III** and select **Properties**. See figure on right.



^{1.} Series III programmers support the following Windows operating systems: Windows XP, Windows 7, Windows 8 and Windows 10.

Installation Manual



1	~
(9)
)
\sim	/

3

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

eneral	Driver Details		
17	KeyLink III		
	Device type:	Other devices	
	Manufacturer:	Unknown	
	Location:	Port_#0003.Hub_#0004	
The	re is no driver select	ed for the device information set or element.	
Tof	ind a driver for this de	evice, click Update Driver.	

Select Browse my computer for driver software.

0	Update Driver Software - KeyLink III	
- 1	ow do you want to search for driver software?	
	 Search automatically for updated driver software Windows will search your computer and the Internet for the latest d software for your device, unless you've disabled this feature in your installation settings. 	riv de
<	Browse my computer for driver software Locate and install driver software manually.	



Browse f	or driver softwar	e on your com	nputer		
Search for	river software in this	location:			
			· ·	Browse	
Include	ubfolders				
Let i This I	e pick from a list t will show installed	st of device dr driver software co	ivers on my of mpatible with the	computer e device, and all	

Installation Manual



5

From the flash drive/download, browse to the **Binaries** directory and open the appropriate directory for the host computer's operating system.

6

7

8

Select the appropriate folder within the **Driver** directory and operating system subdirectory (x64 for 64-bit, or x86 for 32-bit). Click the **OK** button.







Click on the Install button.

Click the Next button.

4

Installation Manual

9

10



A message window should display indicating that the driver software has been installed and that the device is working properly. Click the **Close** button.

Within **Device Manager**, the programmer should now appear under the **Universal Serial Bus controllers** as **KeyLink III Device**.





Installing the Application Software

There are a variety of GUI applications from which to choose that are sorted according to intended operating system, programming language and Microsoft Visual Studio version with which the application was developed.

1

From the flash drive/download, select the folder that corresponds to your choice of available applications from within the **Installers** directory. Then double-click on the **setup.exe** file contained within that folder. (See the Operation Manual for descriptions of the applications.)

Follow the instructions of the setup wizard.

When the installation completes, the Datakey Series III Programmer desktop icon should appear.







Installing the Development Kit Software

When a development kit is purchased, the development kit flash drive comes with the complete source code – including the solution, project, and installer for each of the compiled applications. The solutions are sorted according to the intended operating system, programming language and Microsoft Visual Studio version used in their development.



2

From within the **Source** directory of the flash drive, select the folder that corresponds to the desired solution. Then copy and/ or extract the **SeriesIIIProgrammerSample.zip** file contained within that folder to the appropriate development directory. See the Operation Manual for descriptions of the applications.

Using the appropriate version of Microsoft Visual Studio, open the **SeriesIIIProgrammerSample.sln** (solution) file. Examine, edit, and rebuild the solution as needed.





Glossary

ACRONYMS/ABBREVIATIONS			
Mbits/s	Megabits per second – may indicate a multiplier of 10 ⁶ (1,000,000) or 2 ²⁰ (1,048,576) bits per second		
USB	Universal Serial Bus		
GUI	Graphical User Interface		

223-0157-000 Rev. B 5/22

Microsoft is a registered trademark of Microsoft Corporation. Windows is a trademark of Microsoft Corporation. All other brand names and product names used in this manual are trademarks, registered trademarks, or trade names of their respective holders

ATEK Access Technologies 10025 Valley View Road, Ste. 190 Eden Prairie, MN 55344 U.S.A.

1.800.523.6996 1.800.589.3705 +1.218.829.9797

www.atekaccess.com

©2022 ATEK Access Technologies, LLC. All Rights Reserved. Datakey images and marketing materials are protected by various patents, copyrights and/or trademarks. ATEK assumes no responsibility for any errors which may appear in this document, reserves the right to change devices or specifications detailed herein at any time without notice, and does not make any commitment to update the information contained herein. No licenses to patents or other intellectual property of ATEK are granted by the Company in connection with the sale of Datakey products, expressly or by implication.



Access the power of technology.