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### 1 Overview

Thank you for purchasing PROG flash programming software from PEmicro. The PROG license will be permanently activated on a PEmicro Multilink debug probe. That Multilink will then work with this version of PROG on any machine where a supported version of the software is installed.

## 2 Supported Hardware

The following PEmicro interfaces support this method of PROG licensing:

### **Multilink Debug Probes**

- Multilink ACP (part#: USB-ML-ACP) Rev. A or newer
- Multilink Universal (part#: USB-ML-UNIVERSAL) Rev. C or newer
- Multilink Universal FX (part#: USB-ML-UNIVERSAL-FX) Rev. B or newer

Note: Cyclone programmers do not require a license as they already include PROG software.

The Revision of a PEmicro hardware interface is located on its rear label. If your hardware is an older Rev. that does not support this licensing, please contact us at licensing@pemicro.com. A Multilink trade-in program is available for customers needing supported hardware interfaces.

# 3 Downloading Software Purchases

If you wish to download purchased software, go to the pemicro.com website and click on My Account (login required). Then select My Product Licenses from the options provided.

**Note:** If the software has been purchased for the user, the user should make sure that the purchaser transfers the license to them before they download.

Search by ins	stallation co	de:		Search
License ID	Order # Invoice #	Date Bought	Product	Action
65696 Active License	95154 97805	2020-Mar-02	PROG-HL-12Z	View License     Transfer license to someone else     Download my software

Find your software among those listed and click on Download My Software to download. You can also search by Installation Code in the box provided above. This page also allows you to view your license, or to transfer a license to someone else.

**Note:** Before installing software, if an older version of the software already resides on your system, please uninstall the existing software using "Add/Remove Programs" on your PC.

Once the software has been downloaded, run it to install, following the installation instructions.

### 4 Locating the Installation Code

You will require an Installation Code to install the PROG license on your Multilink debug probe. The Installation Code can be found in the following locations:

1) The shipping confirmation email that was sent to you by PEmicro

- 2) The packing slip that was included in your shipment
- 3) Online. Log into our website at http://www.pemicro.com, and then:

a) Click "My Account"

b) Click "My Product Licenses" to view your purchased and registered licenses

### 5 Entering the Installation Code

Before beginning, connect your Multilink to the PC.

You will be entering the installation code into the License Activation Form. There are two ways that you can access this form: via the Connection Manager, or via the Hardware License Manager.

#### 1. Via the Connection Manager

Please follow these steps:

- Step 1. Launch the PEmicro software.
- Step 2. The Connection Manager will open.

PEMICRO Connection Manager	>
You have selected to display this dialog on startup. Specify commun parameters and click OK.	lications
Connection port and Interface Type Interface: USB Multilink, USB Multilink FX, or Embedded OSJtag	d LPT Port efresh List
Port: USB1 : Multilink Universal FX Rev C (PEME4E21E)	
Device Selection           Architecture:         ARM         Vendor:         NXP         Family:         K6x           Device:         K64FN1M0M12 <ul> <li>Select New Device</li> <li>Addition</li> </ul>	Ivanced

- Step 3. Choose your interface type from the Interface drop-down menu.
- Step 4. Your Multilink should appear in the Port window. If multiple interfaces are connected, choose the appropriate one from the drop down list.
  - **Note:** If you wish to work with your target device once the license is installed, you may wish at this point to make other selections in the Connection Manager, but this is not required to simply activate the license.
- Step 5. Click the Connect (Reset) button at the bottom of the Connection Manager to connect to the Multilink.
  - **Note:** If your interface has older firmware you may be prompted to update its firmware. Accept and update (this may take a few moments).

Provide power to target	Regulator Output Voltage	Power D	own Delay	250 ms
Power off target upon software exit	3V 🔍	Powe	r Up Delay	1000 mg
<u>C</u> onnect (Reset)			<u>A</u> bort	:

**Note:** When trying to access the License Activation Form via the Connection Manager, it is possible that the License Activation Form will not be presented if the software itself has been activated via a legacy license. In this case it is recommended to simply use the Hardware License Manager to install the license (see below).

#### 2. Via the PEmicro Hardware License Manager

For activating your PROG license (or viewing license information for a specific connected hardware interface).

Step 1. Run the PEmicro License Manager.

Step 2. Choose your interface from the Select Hardware drop-down list:

PEmicro Hardw	are License Manager				_		$\times$
	es can be added into PEmicro Multilink and Cyclo ss in the hardware.	ne Hardware. This	utility shows these				
Select Hardware :	USBMultilink : USB1 : Multilink Universal FX Rev	C (PEME4E21E)		•	Refresh list o	f devices	
	Read Licenses from HW						
	dd License Code to Multilink/Cyclone			🗶 Quit			

Step 3. a. If the Rev. of your Multilink is supported, a window like the following will be displayed, which shows the license that is required to run the software, as well as any other licenses present on the Multilink: Click the "Add License Code to Multilink/Cyclone" button at the bottom of the window to open the License Activation Form.

🐝 PEmicro Hardware License Manager	-		×		
The license code needed to run this software was not found in the selected hardware proper license or choose a different hardware interface.	are interfa	ce. Insta	ll the		
License needed to run this software :					
Software = CPROG,PROG Architectures = ARM Build Date = Includes 7/11/2014					
Licenses found in selected hardware interface (not matches for this software):					
No Licenses installed in hardware.					

b. If the Rev. of your Multilink is not supported, the following will be displayed instead:

S PEmicro Hardware License Manager	_		×
The license code needed to run this software was not found in the selected hardware proper license or choose a different hardware interface.	e interfa	ce. Insta	.ll the
License needed to run this software :			
Software = CPROG,PROG Architectures = ARM Build Date = Includes 7/11/2014			
This hardware (from 2014 or earlier) does not support hardware based licenses. You can upgrade your hardware via PEmicro's trade in program or request compatible legacy software from PEmicro at licensing@pemicro.com	9		

The utility will direct you how to contact PEmicro to determine what the options are.

# 6 PEmicro License Activation Form

The PROG license will reside on a Multilink and cannot be transferred once it's activated, so before activation please make sure that you are installing the license on the specific interface that you wish to use.

Step 1: Enter Installation Code (Not completed)	💢 Quit
Step 2: Obtain Activation Code (Not completed)	
Step 3: Enter Activation Code (Not completed)	
Step 4: Validate your software (Not completed)	
nter Installation Code	
nstallation Code :	Clear
Desistation Code :	Copy to Clipboard

Step 1. Enter your Installation Code in the field provided and submit. When your Installation Code is accepted your Registration Code will appear on the following screen:

🏶 P	Emicro License A	ctivation Form v1.0	- 0	×
Pro Sto Sto Sto	ogress ep 1: Enter In ep 2: Obtain A ep 3: Enter A ep 4: Validate	stallation Code (Completed) Activation Code (Not completed) ctivation Code (Not completed) a your software (Not completed)	Quit	
Ent	er Installation Code			
Inst	tallation Code :	XXXX-XXXX-XXXX-XXXX-XXXX	Clear	
Reg	gistration Code :	xxxx-xxxx-xxxx-xxxx-xx	Copy to Clipboard	
Em.	itain Activation Coo ail Address :			
Fo	r your convenie	ence, P&E provides four different ways	to obtain your activation code:	
1)	Automatic A Automatically obt your software. Re required.	<b>cti∨ation</b> ains your Activation Code and validates scommended. Internet Connection	Automatic Activation	
2)	Launch Web I	Browser		
	Opens your defai Code. Your Regi	ult web browser to obtain your Activation stration Code is automatically entered.	Launch Web Browser	
3)	Visit P&E Lice	ensing Website - http://www.pemicro	.com/license/index.cfm	
	Visit the P&E lice Code. You will ne	nsing webpage to obtain the Activation ed the Registration Code above.		
4)	Contact P&E v	via Telephone		
	Call us at 617-92 speaking to a P& Please have you	3-0053 to obtain the activation code by E customer service representative. Registration Code ready.		
En	ter Activation Code	•		
Act	ivation Code :		Validate your softwa	re

# 7 Completing Activation

First, enter your email address into the Email Address field. The License Activation Form then provides you with several ways to complete your PEmicro software activation.

- 1. Automatic Activation Click the button to instantly complete activation. Requires an internet connection on the PC that you are operating.
- 2. Launch Web Browser Opens the web page below and automatically enters your Registration Code. Requires an internet connection on the PC that you are operating.



The first step for your P&E Product Activation has been completed.

Here is your activation code:

xxxx-xxxx-xxxx-xxxx-xxxx-xxxx-xxxx

Please copy-paste this Activation Code into the Activation Box of your P&E Software to finish the Product Activation process. You will also get an email with the Activation Code to keep for your records.

We thank you for your business!

- **3.** Visit PEmicro Licensing Website This address can be used to open the same web page as option #2. You will need to copy your registration code on your own. Requires an internet connection.
- 4. Contact PEmicro via Telephone Our phone number is provided should you wish to activate your PEmicro soft-

ware over the phone.

If you have chosen an option that manually provides you with an Activation Code, once you receive it please enter it into the Activation Code field at the bottom of the form and submit.

Your Multilink is now activated and ready to use! If you should experience any difficulty with your activation, please feel free to contact us for assistance at www.pemicro.com.

### 8 Viewing Licenses on PEmicro Hardware

The Hardware License Manger also allows you to view the licenses that are installed on a specific, connected hardware interface. To accomplish this, choose your hardware interface from the Select Hardware drop-down and then click the "Read Licenses From HW" button. The licenses will then be displayed in the window below:

PEmicro Hardware License Manager     -      X	1
Licenses can be added into PEmicro Multilink and Cyclone Hardware. This utility shows these licenses in the hardware. http://www.pemicro.com	
Select Hardware : USBMultilink : USB1 : Multilink Universal FX Rev C (PEME4E21E)	
Read Licenses from HW	
Licenses for USBMultilink : USB1 : Multilink Universal FX Rev C (PEME4E21E)(3,1) :	
Installation Code = XXXX-XXXX-XXXX-XXXX-XXXX Software Activated = CPR0G,PR0G Architectures = ARM Activate Executables with build date up to 2/27/2021 Installation Code = XXXX-XXXX-XXXX-XXXX-XXXX Software Activated = CPR0G,PR0G Architectures = HC12/HCS12 Activate Executables with build date up to 3/2/2021	
Installation Code = XXXX-XXXX-XXXX-XXXX-XXXX-XXXX- Software Activated = CPROG,PROG Architectures = HC12/HCS12 Activate Executables with build date up to 3/2/2021	(XXX
Add License Code to Multilink/Cyclone	

Figure 8-1: License To Activate Software

The information displayed includes your installation code, the software type, compatible architectures (if applicable), and the latest build date of software that will work with the license (if applicable).

The PROG license will work with versions of the software built up to one year after your license was purchased. During this period, the software can be updated free of charge. After one year, a discount is available when updating to the latest version of the software. After two years this discount is no longer available.

Feel free to contact PEmicro with any licensing questions at licensing@pemicro.com.