

# How to install missing device to CodeWarrior for HCS12 v5.2

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CodeWarrior Development Studio for HCS12(X) Microcontrollers (Classic IDE) v5.2 has been released for several months.

Comparing with CodeWarrior v5.1, the big improvements in CodeWarrior v5.2 are listed as followings. Remember these features don't exist in CodeWarrior v5.1:

- CodeWarrior v5.2 starts to support 32/64 bit Windows 8, Windows 8.1 and Windows 10 officially.
- Added support for latest P&E interfaces. CodeWarrior v5.2 starts to support USB Multilink Universal FX and Cyclone Universal FX - USB/Serial/Ethernet.

However, according to market decision, CodeWarrior v5.2 removes the following connections:

- SofTec connection - inDART-HCS12 or Starter Kit
- HCS12 Serial Monitor connection
- Abatron BDI connection
- TBDML Connection

And CodeWarrior v5.2 also removes many devices. This release includes support for the following derivatives:

- MC9S12C128, MC9S12C32, MC9S12C64, MC9S12C96
- MC9S12G128, MC9S12G96
- MC9S12GC128, MC9S12GC16, MC9S12GC32, MC9S12GC64

- - MC9S12GN16, MC9S12GN32
- - MC9S12P32, MC9S12P64, MC9S12P96, MC9S12P128
- - MC9S12XEP100, MC9S12XEP768
- - MC9S12XEQ384, MC9S12XEQ512
- - MC9S12XET256
- - MC9S12XS128, MC9S12XS256, MC9S12XS64
- - MC9S12VR16, MC9S12VR32, MC9S12VR48, MC9S12VR64

So the problem comes.

Recently, since v5.2 release, I have received many questions from customers. These questions are almost similar: how to add the missing devices back to my CodeWarrior v5.2 ?

From my side I think there is one workaround if the specific device has a service pack.

For example, we want to install MM912F634 service pack to CodeWarrior v5.2. we can:

1. Login NXP web site, Software & Support center. We can find the previous CW for HCS12 items. There are many service packs listed under each of them.

Refer article: [How to download a Service Pack / Patch / Update?](#)

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# Product Information

## CodeWarrior Development Suite - Professional

Select a version.

Current	<b>Previous</b> <b>2</b>	
Version	Description	
10.8.3	CodeWarrior for StarCore 3900FP DSP Eclipse	<a href="#">Download Log</a>
10.8.2	CodeWarrior for StarCore 3900FP DSP Eclipse	<a href="#">Download Log</a>
10.8.0	CodeWarrior for StarCore 3900FP DSP Eclipse	<a href="#">Download Log</a>
10.2.2	eTPU/eTPU2 Command-Line Compiler	<a href="#">Download Log</a>
10.6	CodeWarrior for MCU Professional Edition (Windows - Eclipse)	<a href="#">Download Log</a>
10.7	CodeWarrior for StarCore 3850 Eclipse	<a href="#">Download Log</a>
10.11	CodeWarrior for Power Architecture - Professional Edition (Eclipse-Windows Hosted)	<a href="#">Download Log</a>
10.11	CodeWarrior for Power Architecture - Professional Edition (Eclipse-Linux hosted)	<a href="#">Download Log</a>
10.5	CodeWarrior for Power Architecture - Professional Edition (Eclipse-Linux hosted)	<a href="#">Download Log</a>
10.5	CodeWarrior for Power Architecture - Professional Edition (Eclipse-Windows Hosted)	<a href="#">Download Log</a>
10.4	CodeWarrior for Power Architecture - Professional Edition (Eclipse-Windows Hosted)	<a href="#">Download Log</a>
10.4	CodeWarrior for MCU Professional Edition (Windows - Eclipse)	<a href="#">Download Log</a>
10.3	CodeWarrior for Power Architecture - Professional Edition (Eclipse-Windows Hosted)	<a href="#">Download Log</a>
<b>5.1</b>	<b>CodeWarrior for HC12 Professional Edition WIN</b>	<a href="#">Download Log</a>
<b>4.7</b>	<b>CodeWarrior for HC12 Professional Edition WIN</b>	<a href="#">Download Log</a>
<b>3.1</b>	<b>CodeWarrior for HC12 Professional Edition WIN</b>	<a href="#">Download Log</a>
10.5	CodeWarrior for MCU Professional Edition (Windows - Eclipse)	<a href="#">Download Log</a>

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In addition, there are also some updates listed here

## CodeWarrior Downloads|NXP

wish to evaluate. Note that many of these files are quite large. We strongly recommend broadband access to successfully download the image. When you run the installer, the tools should install with all features available for 30 days.

There is no need to register or activate the product. If you encounter difficulties with the license please go to the support page to enter a service request. Choose "Category: Software Product Support and Topic: License Issue" and provide the requested information. Your service request will be created automatically. You will receive a service request number unique to your issue, which you can use for further communication with us should difficulties arise.

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### Special Edition Software

Special Editions are fully functional free download versions of the CodeWarrior Development Studio with code size restrictions on the build chain. Special Editions are pre-licensed, not bound to a single machine and are not time restricted.

**installed and a current license for the update or patch to work correctly.** If any legacy update/patches are needed for versions not listed below please access your [Licensing portal](#) and click on the "Previews tab" after selecting the suite you like to use.

- MCUs (Eclipse IDE)
- MCUs (Classic IDE)
  - HCS12 16-bit MCUs v5.0
  - HCS12 16-bit MCUs v4.6
  - HCS12 16-bit MCUs v4.5
  - HCS12 16-bit MCUs v4.1
  - RS08/HC(S)08 8-bit MCUs v5.1
  - RS08/HC(S)08 8-bit MCUs v5.0
  - RS08/HC(S)08 8-bit MCUs v3.1
  - MCUs v6.2
  - MCUs v6.1
  - MCUs v6.0
- Processors (Classic IDE)

2. NXP has MM912F634 Service Pack for CodeWarrior v5.1, so we access CodeWarrior for HCS12 v5.1 entry. Download CodeWarrior for HCS12 v5.1 MM912F634 Service Pack.exe

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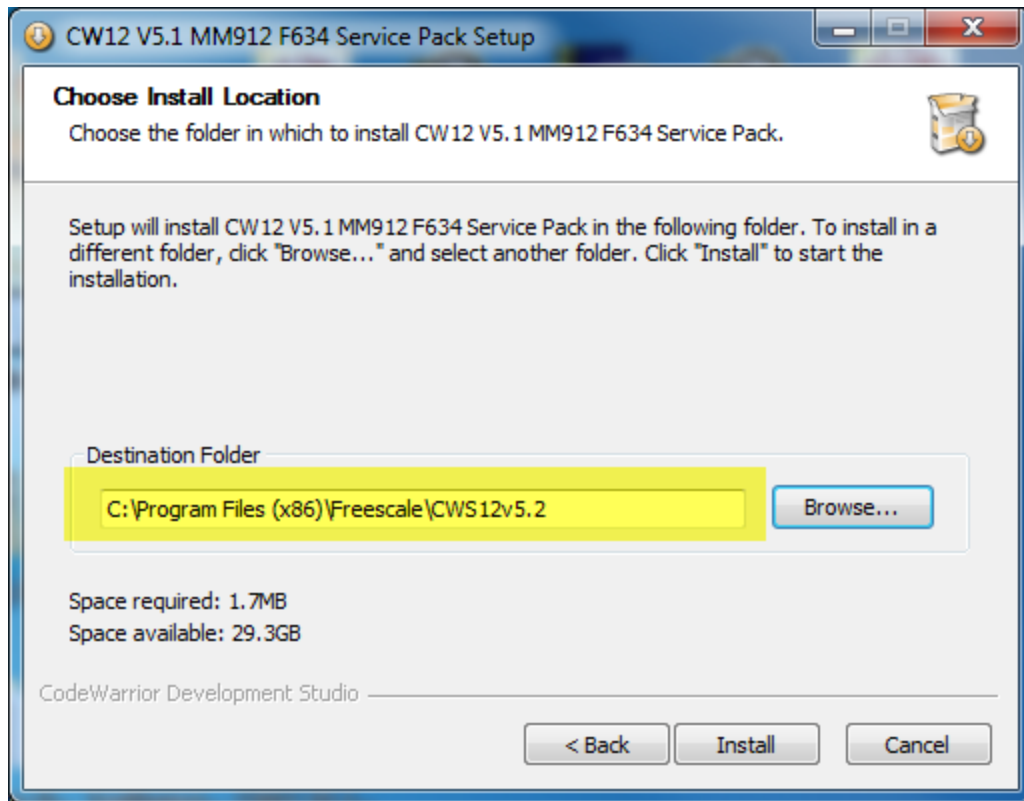
### CodeWarrior for HC12 Professional Edition WIN

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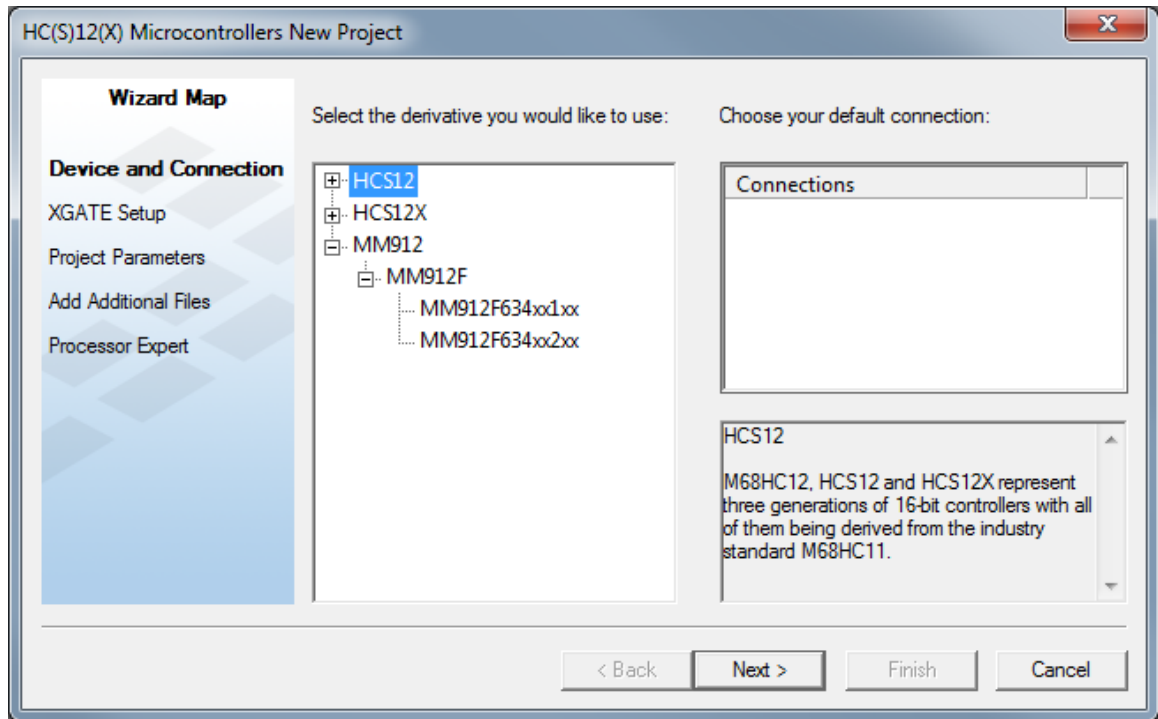
Show All Files 12 Files

+ File Description	File Size	File Name
+ Compiler Update: CodeWarrior for HCS12 v5.1 Compiler Update	23.4 MB	<a href="#">CodeWarrior for HCS12 v5.1 Compiler Update.exe</a>
+ Installer: CodeWarrior for HCS12(X) Microcontrollers v5.1	354.6 MB	<a href="#">CodeWarrior for HCS12(X) Microcontrollers v5.1.exe</a>
+ Processor Expert Update: V3.05 for CodeWarrior for HCS12 v5.1	186.1 MB	<a href="#">Processor Expert updates V3.05 for CodeWarrior for HCS12 v5.1.exe</a>
+ Service Pack: CodeWarrior for HCS12 v5.1 G240 Service Pack	4 MB	<a href="#">CodeWarrior for HCS12 v5.1 G240 Service Pack.exe</a>
+ Service Pack: CodeWarrior for HCS12 v5.1 G64 Service Pack	4 MB	<a href="#">CodeWarrior for HCS12 v5.1 G64 Service Pack.exe</a>
+ Service Pack: CodeWarrior for HCS12 v5.1 GA128GN32 Service Pack	6.5 MB	<a href="#">CodeWarrior for HCS12 v5.1 GA128GN32 Service Pack.exe</a>
+ Service Pack: CodeWarrior for HCS12 v5.1 MM912 x634 Service Pack	5.9 MB	<a href="#">CodeWarrior for HCS12 v5.1 MM912 x634 Service Pack.exe</a>
+ Service Pack: CodeWarrior for HCS12 v5.1 MM912F634 Service Pack	139.7 KB	<a href="#">CodeWarrior for HCS12 v5.1 MM912F634 Service Pack.exe</a>
+ Service Pack: CodeWarrior for HCS12 v5.1 MM912H634 Service Pack	141.6 KB	<a href="#">CodeWarrior for HCS12 v5.1 MM912H634 Service Pack.exe</a>
+ Service Pack: CodeWarrior for HCS12 v5.1 MM912J637 Service Pack	5.9 MB	<a href="#">CodeWarrior for HCS12 v5.1 MM912J637 Service Pack.exe</a>
+ Service Pack: CodeWarrior for HCS12 v5.1 VR64 Service Pack	6.5 MB	<a href="#">CodeWarrior for HCS12 v5.1 VR64 Service Pack.exe</a>
+ Service Pack: CodeWarrior for MCU HCS12 VR32 Service Pack v5.1 (Final)	7 MB	<a href="#">CodeWarrior for MCU HCS12 VR32 Service Pack v5.1 (Final).exe</a>

3. Run CodeWarrior for HCS12 v5.1 MM912F634 Service Pack.exe. be careful we need **manually** modify the destination folder to CodeWarrior v5.2 install folder:



4. Then go on install procedure until it is finished.
5. Restart CodeWarrior v5.2, we will see MM912F634 existing in the wizard. User can use it for project normally.



### Summary:

If there is an existing service pack for a specific missing device, we can use this introduced workaround to add missing device to CodeWarrior v5.2.

However if there is no service pack for a device, so far we don't have a workaround for that. Because to add a support device, many low level files need to be added and revised, that causes the work not that easy. In this case, the only choice is to use CodeWarrior v5.1.