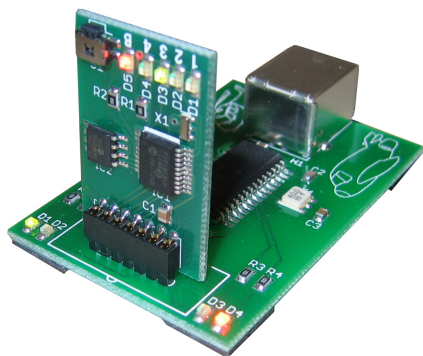


Thank you for purchasing this *Hansen Hobbies USB Memory Module Interface (HH-USBMMI)!*



This device allows you to read data from your Futaba-based memory modules and view, edit, save, and write back data using your personal computer. You can also easily email the data to a friend so he/she can load it onto their radio.

In order to view the data in a meaningful way it all had to be painstakingly decoded byte by byte. Many radio and model types are supported but some are not. The supported radio and model types are listed in the **CAMpEdit** software. Even if your radio/model type does not yet have an interpreter, you can still download and save the data on your computer.

CAMpEdit Software:

Please download **CAMpEdit** using the link provided on our web site (navigate through the products to the USB Interface page or type <http://www.hansenhobbies.com/products/txacc/usbmmi/CAMpEdit.zip> into your web browser:). After unzipping you'll have a file called CAMpEdit.exe - double click this to run the software. **CAMpEdit** should run on any Windows operating system 2000 or later.

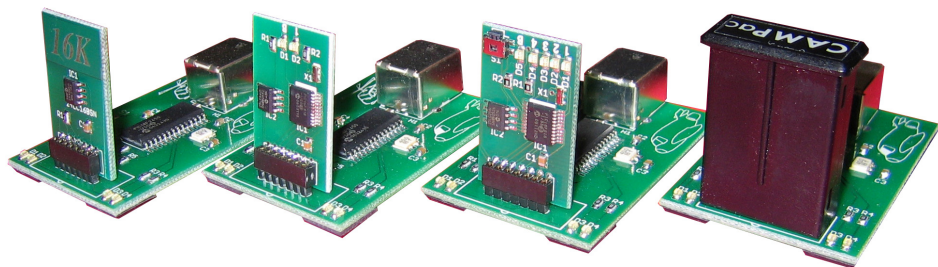
Computer Connection:

This interface can be connected to any USB port on your computer using the supplied USB cable, or any standard type A to type B USB cable. You should see a single flashing **Green** LED after plugging in the interface. When you run **CAMpEdit.exe** it will connect to the interface and you should see alternating **Green/Red** flashing LED's on the right side of the interface.

CAMpEdit will auto-detect what size memory module you're using. It can detect **16K**, **64K**, and Hansen Hobbies **256K** Memory Modules. Other after-market memory modules larger than **64K** will be identified as a **64K** module.

Connecting the Memory Module:

Please pay careful attention to how your memory module plugs into the interface. If you have a memory module from *Hansen Hobbies* then it will always plug in with the components side of the circuit board facing you as pictured below. Other after-market memory modules will likely plug in with the same orientation (components facing you).



If you have a **CAMPac** made by Futaba then it will plug in with the label facing away from you. Also notice the alignment groove on the plastic casing will correspond to the white outline on the interface. Do not shift the module one pin to the left or right.

Notes:

The first thing you should do with your interface is do a full read of the module and save it on your computer. Should you want to revert back to that data at any point you can.

If you're using our **256K** Memory Module then you can change memory banks using **CAMpEdit**. Note that if you plug the **256K** into the interface when one of the service menu modes is selected you will not be able to change banks using **CAMpEdit**.

In most cases **CAMpEdit** will give you notifications of unsupported radios and model types.

The LED's on the left side of the interface will turn on when you do a read or write to the module (**Red** = Write, **Green** = Read).

CAMpEdit reads and writes the full contents of a memory module (or bank for the **256K**). It does not read or write one model at a time.

Since this device is not protected by any sort of housing, take extra care to keep it clean and dry, and avoid touching the electrical components while the device is operating.

Have fun, and fly safe!

www.hansenhobbies.com

