CPUSpeed

This is a CFunction module which will return the current CPU speed of a standard 28 and 44-pin Micromite MkII running MMBasic 4.6 or later. At this time it does not run on the Micromite Plus.

Adding the Function to MMBasic

To add the CPUSpeed function to MMBasic you must insert the following code somewhere in your BASIC program (you can use copy and paste from this document). The exact spot is not important but at the end of the program is typical.

```
CFunction CPUSpeed
   00000000
   3c02bf81 8c45f000 8c43f000 3c02003d 24420900 7ca51400 70a23002 3c040393
   34848700 7c6316c0 00c41021 00621007 3c03029f 24636300 10430005 00402021
   00002821 00801021 03e00008 00a01821 3c0402dc 34846c00 00002821 00801021
   03e00008 00a01821
End CFunction
```

Parameters

The CPUSpeed function (created by adding the above code) does not take any parameters so you can use empty brackets:

> r% = CPUSpeed ( )

The return value is the current clock speed in Hz.

Using the Function

The function is easy to use. For example:

```
r% = CPUSpeed()
PRINT r%
```

If the CPU speed was 40MHz this will display

```
40000000
```