

# CPUSpeed

This is a CFunction module which will return the current CPU speed of a Micromite MkII running MMBasic 4.6 or later.

## 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 but you do need to use one dummy parameter to keep MMBasic from complaining (this can be just the number zero):

```
r% = CPUSpeed ( 0 )
```

The return value is the current clock speed in Hz.

## Using the Function

The function is easy to use. For example:

```
r% = CPUSpeed( 0 )
PRINT r%
```

After a fresh restart this will display

```
40000000
```