

# README – Microchip USB Host Stack and Applications

Version 0.0.1

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This installation is version 0.0.1 of Microchip's USB Host Stack, targeting Microchip's 16-bit microcontrollers that have the USB OTG peripheral.

This release of the stack contains support for the following classes:

- Mass Storage

This release contains the following demo programs:

- USB Data Logger – logs data to a USB Flash Driver; *“ANxxxx - Using a USB Flash Drive with a 16-bit Microcontroller”*

## Required Resources

The USB stack requires only the USB peripheral. Note that oscillator selection is limited due to the timing requirements of USB. Refer to *“ANxxxx - USB Embedded Host on a PIC24F Microcontroller”* for more information about oscillator requirements.

The ROM and RAM requirements of key portions of this distribution are as follows. Note that the RAM size does not include dynamic memory.

Stack Layers	ROM (bytes)	RAM (bytes)
USB Host	10.2K	582
USB Host + Mass Storage	11.7K	644
USB Data Logger Application	25.7K	1896