

# Logger 2.0 Installation and Programming Instructions

The goal of this document is to provide the person programming the means to upload code to the trinkets for use with the loggers.

## Libraries needed

- RTC\_LIB From Adafruit 1.2.0 (manage Libraries)
- SD Library by Sparkfun/arduino 1.0.6 (manage libraries)
- Adafruit MCP9808 1.0.0 Library (manage Libraries)
- OneWire 2.3.2 (manage Libraries)

These are known working libraries that work with Logger.

## Setup Pro Trinket

1. Under Preferences:

Add to "Additional Boards Manager URLs:"

[https://adafruit.github.io/arduino-board-index/package\\_adafruit\\_index.json](https://adafruit.github.io/arduino-board-index/package_adafruit_index.json)

(restart may be necessary)

2. Download The Logger\_20B file:

<https://my.pcloud.com/publink/show?code=XZXEcKZKio4wK6aUkkjOP6yqSlrHX8kwfuk>

3. Open the Arduino project Logger\_20B

4. Under Tools—> Programmer: Choose Arduino USBtinyISP

5. Under Tools->Board: Choose Arduino Pro Trinket 3v 12MHz USB

6. When ready to program:

1. Plug in the trinket.

2. Hit the button the board to put into a programming mode (LED should slowly brighten then dim)

3. Upload the program

A successful upload will be observed by a slowly pulsating red LED while programming and then the LED turning to bright RED for a second at the end and Arduino reporting "Successfully Uploaded"