**DRAFT QuickGuide**

**Hobo Tidbits**

**CN 4.85**

These instructions represent a “Quick Guide” and should not be construed as a replacement to the Onset MX2203 TidBit Manual. That Manual may be found at: <https://www.onsetcomp.com/files/manual_pdfs/21537-G%20MX2203%20and%20MX2204%20Manual.pdf>

Onset Corporation also supplies a “FAQ” regarding the TidBits. That document may be found here:

<https://www.onsetcomp.com/files/manual_pdfs/HOBOmobilel-FAQs.pdf>

Background: The Onset TidBit Temperature Loggers are controlled via Bluetooth (no cable). You must interface them with either an AppleOS or Android device (your cell phone).

**FIRST**: Download the FREE “HoboMobile” application from PlayStore or Itunes.

**SECOND:** Get ready to deploy your TidBits:

1: Launch the HoboMobile app. (Make sure Bluetooth is ON in your phone)

2: Go to the “HOBOs” tab (on the bottom of your screen)

3: Connect with the TidBit you want to set up to record temperature readings:

Pick a Tidbit.

4: Press the magnetic button for 2 (or so) seconds. The TidBit serial number should appear on your phone screen in a few moments (Bluetooth is not as fast as a cable).

5: Tap the TidBit serial number on your phone screen.

A window should read, “connecting to tidbit”

When connected, a new screen appears.

6: Pick “configure tidbit”

**THERE ARE TWO VERY IMPORTANT OPTIONS ON THIS SCREEN!!**

**A: YOU MUST SELECT “BLUETOOTH WATER DETECT”**

**B: SELECT THE DAY AND TIME OF LAUNCH**

**A:** This is important as “Bluetooth Water Detect” allows the TidBit to determine if it is recording temperature while it is either dry or wet. This Wet/Dry determination is important in determining if the TidBit is in or out of water.

**B:** It is HIGHLY recommended that the day and time of launch be set to 12:01AM of the date you intend to deploy the TidBit. This allows for easy “clipping” of the file when the file is reviewed.

From this “configure” screen, you may also select the recording interval. “30 minutes” is our default. You may also select when the tidbit stops logging. I recommend “stop logging when memory full”. The storage capacity should last more than a year at a 30 minute recording interval.

7: If you are satisfied with your configuration, click “done” at the top right corner of your screen.

This will take you back one screen, where you can double check your configuration settings. You now go back a screen, where you can check your configuration. If still satisfied, click “start” at the top right corner of your screen.

In a few seconds, a window will pop up and (hopefully) read “Tidbit 20357999 configured successfully”.

8: The tidbit is now ready to go. If it is not already in a housing, put it there. Be sure to line up the ridges on the TidBit with the slot on the grey rubber housing.

**PRECAUTIONS!!!**

Make sure you get the right tidbit in the right stream. Check the four digit number written on the tidbit (these are the last four digits of the serial number).

**PRECAUTIONS!!!**

Forget about grouping, passwords, burst logging, or statistical logging. We want JUST the temperature and in/out information.

**READOUTS:** You can (and probably should) readout the tidbit data when you do a field QC. This will readout the data on the TidBit collected unto the date of readout. To do this, you need to lift the tidbit above the water to activate Bluetooth. With your phone you should be able to connect and readout the data from the Tidbit. This will NOT stop the tidbit from recording. This will NOT amend the onboard file in anyway. This will ensure that we will have the data up unto the date of the last QC. If we lose the tidbit during the deploy, we won’t lose all the data.