

Correspondence and Receipts...PO Box 552, Grafton, MA 015019

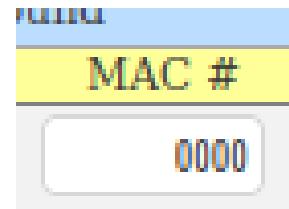
Setting up Radios in Harvest-Watch

Radios in Harvest-Watch allow users to take sensor readings using different sensor types over distance wireless.

Radios are super easy to setup in Harvest-Watch, They can be set with only 3 bits of information but they provide a ton of information.

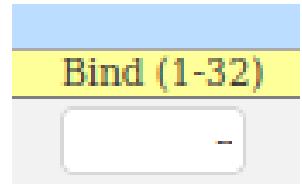
Binding radios

To bind a radio to a slot, you must know the radio's MAC address. This is a 4 digit number containing numbers between 1-9 and letters A-F. So for example a MAC address could be J6U8 or even 5527.



Once you know the radio's MAC address, you must now know its sensor type. Sensor types consist of a number 1-99 which each number representing a specific sensor type. For example a RF90 with a analog Temp sensor is coded to the sensor type 38.

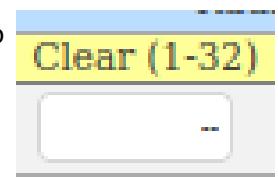
Next Find the slot you want to bind the radio to. If you would like to bind a radio to slot 3 then enter a 3 into the bind field.



Now with these 3 bits of information entered, write to the box to save these settings.

Clearing Radios

Clearing radios can be done in 2 different ways. The first way is to clear a individual radio slot. To do this enter the number of the slot you would like cleared into the Clear field. Then write to the box. You should see the slot cleared after a box read. Now the same process can be repeated but instead of typing the number of a specific slot, write a 33 into the slot. This will clear all radio slots.



Radio Input MAC

Radio input MAC is the list of radio slots on the box. This list shows currently used and open slots as well as displaying MAC addresses currently bound to them. If there is no radio bound then the slot will have a place holder MAC. These will go from 0100 all the way to 0200 counting up in hexadecimal.



“Grow Smarter, Grow Better”

Correspondence and Receipts...PO Box 552, Grafton, MA 015019

Radio Battery

This shows the last battery reading from the radio. Again if a Radio battery reads below 2.7 V, The battery should be replaced in that radio. If no radio is bound to the slot it will display “--” indicating so.

Radio Seconds Since

Radio seconds since show how long in seconds since the radio has last read for that specific slot. If no Radio is bound to the slot it will read 0.

Radio Link Quality

Radio link quality shows the connection quality from the radio to base station/ box. Start at a 100% representing a perfect connection to the box all the way to 0% representing no connection. If there is no radio bound to the slot, a “--” will appear indicating so.

Radio Firmware

Radio Firmware currently does not represent anything important to the end user but instead is internal Debug info.

Radio Found

Here is where to enter info regarding binding radio slots as well as clearing them.

Radio Types

Here you can see the sensor type of a currently bound radio corresponding to the radios slot. If there is not a radio bound the slot will show a “--” representing a null value/blank.