Programming a Weather Radio Receiver[1]

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Note: These instructions use a weather radio receiver commonly used in East-Central Florida. While the general concepts will be valid for any weather radio, the specifics may vary. Please consult your user's manual and our website for more information.

[1]The original version of this document was created by David Jacobs, 2006.

Programming a Weather Radio SAME Receiver

A SAME (<u>S</u>pecific <u>A</u>rea <u>M</u>essage <u>E</u>ncoding) Weather Radio Receiver picks up broadcasts from the National Weather Service.

The SAME feature allows you to program your radio to automatically sound an alarm when a weather watch or warning is issued for your area.

<u>Your radio will not alert properly if programmed incorrectly!!!</u>

Programming a Weather Radio SAME Receiver

In order for your SAME radio to work correctly, you'll need to know:

1. *The channel (frequency) of the nearest/strongest weather radio broadcasting station.*

2. *The special code number for your county or counties you want to be alerted for.*

Programming a Weather Radio SAME Receiver

SAME codes for Florida Counties:

http://www.weather.gov/nwr/CntyCov/nwrFL.htm

Additional information on SAME can be found at:

http://www.nws.noaa.gov/nwr/same.htm

NWS Melbourne Transmitters

KIH26 - Daytona Beach
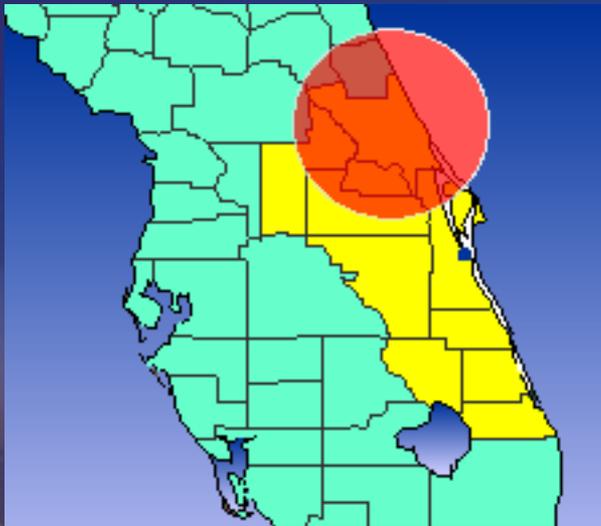
KIH63 - Orlando
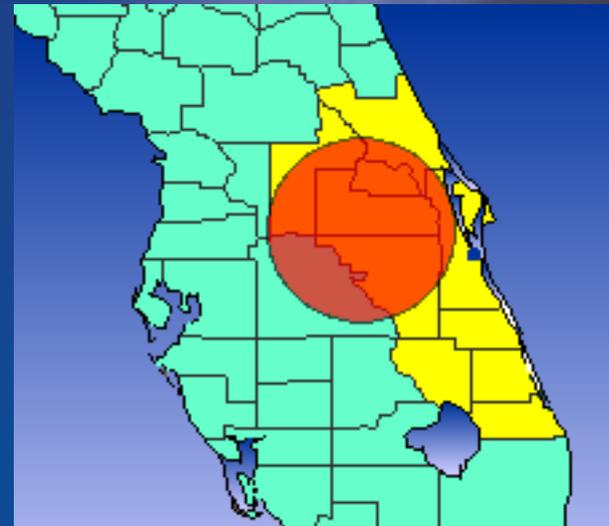
- **Click here for a detailed coverage map**

- 162.4 Mhz   (Channel 1)   1000 Watts

- Warnings broadcast for these counties: Lake, Brevard, Orange, Seminole, Putnam, Volusia, Flagler

- **Click here for a detailed coverage map**

- 162.475 Mhz   (Channel 4) 1000 Watts

- Warnings broadcast for these counties: Lake, Orange, Osceola, Seminole, Polk, Volusia

NWS Melbourne Transmitters

WXJ70 - Melbourne
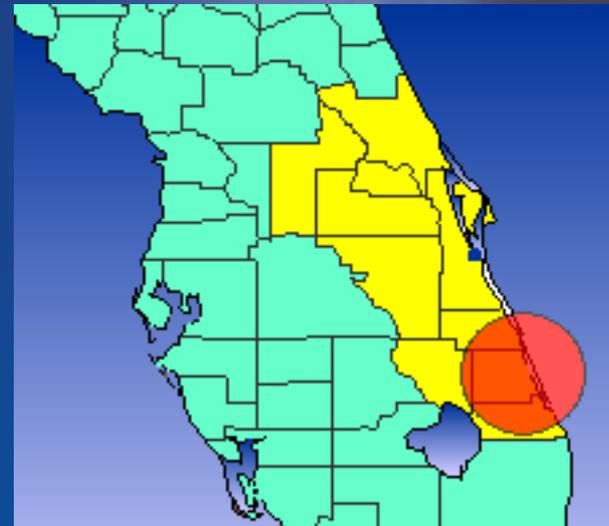
- <u>Click here for a detailed coverage map</u>

- 162.55 Mhz   (Channel 7) 1000 Watts

- Warnings broadcast for these counties: Brevard, Indian River, Osceola, Orange

WWF69 – Ft. Pierce

- <u>Click here for a detailed coverage map</u>

- 162.425 Mhz   (Channel 2) 300 Watts

- Warnings broadcast for these counties: Indian River, Martin, St. Lucie, Okeechobee

Programming a Weather Radio SAME Receiver

- **So, now we know which transmitter to program our radio to.**

- **Now, we also need to know which 6 digit county code to program into our NOAA All-Hazards Radio.**

FIPS Codes:

Area	County Code
Lake County	0 1 2 0 6 9
Volusia County	0 1 2 1 2 7
Seminole County	0 1 2 1 1 7
Brevard County	0 1 2 0 0 9
Orange County	0 1 2 0 9 5
Osceola County	0 1 2 0 9 7
Okeechobee County	0 1 2 0 9 3
Indian River County	0 1 2 0 6 1
St. Lucie County	0 1 2 1 1 1
Martin County	0 1 2 0 8 5
Polk County *	0 1 2 1 0 5
Putnam **	0 1 2 1 0 7
Flagler **	0 1 2 0 3 5

- **Note: "012" is the code for the state of Florida. The 3 digits following are for the specific county.**

- *** Products originate with NWS Tampa Bay, relayed by NWS Melbourne on KIH-63**
  ** Products originate with NWS Jacksonville, relayed by NWS Melbourne on KIH-26

Programming a Weather Radio SAME Receiver

- Now, let's program this information into a typical NOAA Weather Radio Receiver. Make sure your radio is plugged in, turned on, and has fresh batteries.

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The buttons we'll typically be using are shown below:

The MENU and SELECT Buttons
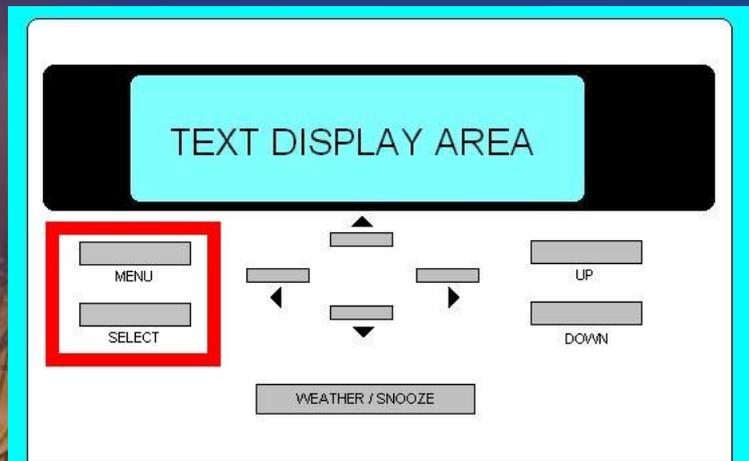
The UP, DOWN, LEFT, RIGHT Buttons
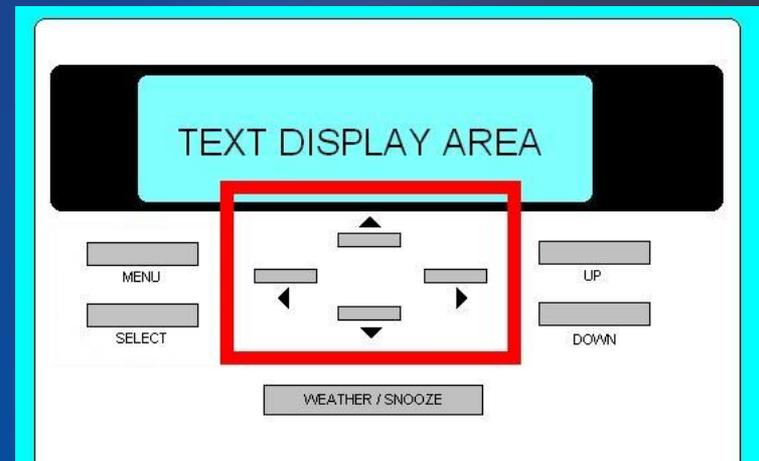
We'll see the selections and results in the TEXT DISPLAY AREA

Programming a Weather Radio SAME Receiver

First, let's set the frequency (channel)…

Recall the frequency for your nearest weather radio station.

1. Press the MENU Button, "TIME" is displayed in text area

2. Press the UP arrow button until "CHANNEL" is displayed

Setting the frequency (channel)…

Recall the frequency for your nearest weather radio station.

3. Press the SELECT Button, a channel and frequency are shown. The channel number is on the left.

4. Press the UP or DOWN arrow buttons until your desired channel is displayed. As you scroll to the correct channel, you should hear the radio broadcast.
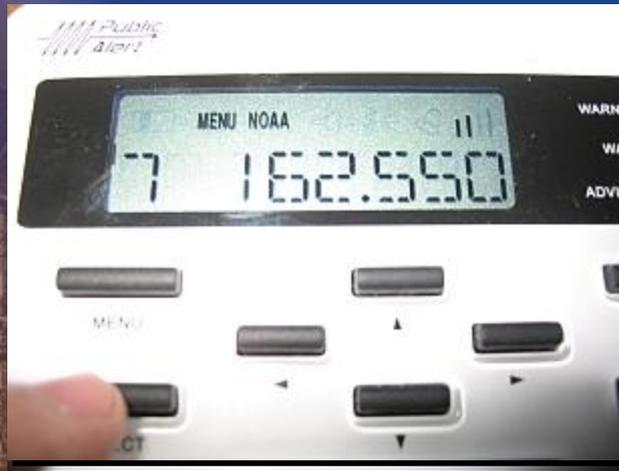
You may hear more than one channel. Generally, the channel with the clearest reception will be the best.

Programming a Weather Radio SAME Receiver

Setting the County Code (FIPS code)…

Recall the code for your county.

5. Press the "SELECT" Button, and then the UP arrow button. "SAME SET" is shown in the TEXT DISPLAY.

6. Press "SELECT" again. "SINGLE" is shown in the TEXT DISPLAY (or change to "Multiple" by hitting the up/down arrows if you want to hear alerts for neighboring counties). Press "SELECT."

You may enter more than one County Code, but only those which the radio station covers.

Setting the County Code (FIPS code)…

Recall the code for your county.

7. 6 digits will be displayed in the TEXT WINDOW (if "Multiple" was chosen then select SAME 01). These digits must be changed to your county code.

8. The first digit will be blinking. Using the UP and DOWN arrow buttons, you can raise or lower the digit to the correct value, which must be set to a zero for the state of Florida.
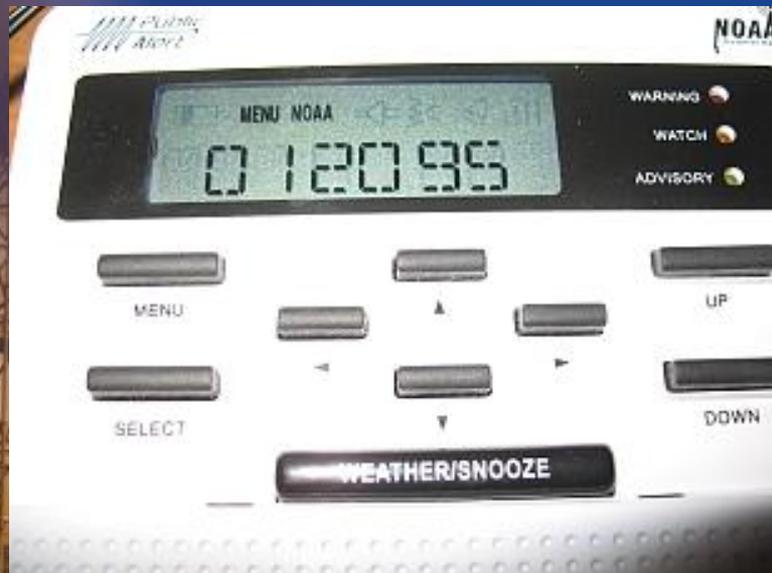
Each digit displayed can be changed by first using the LEFT or RIGHT arrow buttons to select the digit, and then the UP and DOWN arrow buttons to change the value.

Set the number to the desired county's FIPS code and press Select.

- **To program another county code into your radio, hit the up/down arrows to select SAME 02. Follow the same process as with SAME 01.**

- **You may program more county codes into your radio (up to about 25) to hear alerts for those counties if you wish.**

Programming a Weather Radio SAME Receiver

You have now set up your NOAA Weather Radio receiver to receive severe weather alerts, and routine weather broadcasts for your area.

If you live in a different area, you will need to determine the channel number of the weather radio station nearest you and the code for your county.

The weather radio alerts are tested on Wednesday (unless the weather is bad). Check your radio around 11 AM to 12 PM and 6 PM to 8 PM on Wednesdays to see if it has received the test (Advisory button should light and remain active for up to 2 hours after the test).

Programming a Weather Radio SAME Receiver

If you have questions about programming your weather radio receiver, or questions about the broadcasts in general, please contact the National Weather Service Office in Melbourne at 321-255-0212

If you prefer to use e-mail:

Derrick.Weitlich@noaa.gov   or   Scott.Spratt@noaa.gov

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