

Bluetooth use in Bluetooth equipped radios  
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I want to preface this class with that I will be concentrating on Yaesu 400 and FT5 radios. While researching for this class I discovered that most of the major manufacturer's menus are very similar. I also discovered that the headset for the 400 is about \$125 and the FT5 version is about \$50.

Let's start with the FT400 and the instructions start on page 134 if we get lost.

I have discovered that Bluetooth (BT) is an option on most of the major radios. Some of the various models such as the FT5 come with the capability already installed. However, some models such as the 400 require an additional component to be installed by the owner. Additionally, most models require a compatible headset from them to be used. When doing a Google check I did see that there may be some headsets out there that seem to be compatible, but I would recommend just going with the required version.

The FT 400 requires that a Bluetooth unit called a BU-2 be installed on the radio. This installation will require that you take the cover off the radio and then install the BU-2 unit. I won't go into that process but it seems fairly straight forward.

From the main display screen:

1. Press and hold the DISP button for longer than one second in order to bring up the Setup Menu.
2. Select "OPTION" on the bottom right of the screen.
3. Select option #2, Bluetooth. I noticed that in the manual is that the BT (Bluetooth) symbol is not available when the BU-2 is not installed. This reads that the unit is not required but it is for BT to be operational.
4. If you already have the BU-2 installed then the #2 option should be visible.
5. Moving forward as with the unit installed and you should see four options:
  - a. Audio. Under Audio there are an additional two options: Auto and Fix. Selecting Auto will send the sound only to the headset while Fix will send the sound to both the headset and the radio speaker.
  - b. Battery. Under battery is two options: Normal and Save. Normal means the BT headset battery save function is turned off. The Save function means that the headset will turn itself off if it does not detect any functions.
  - c. VOX. There are two options: Off and On which is self-explanatory.
  - d. Last option is Gain. High and Low and is again self-explanatory.

Once you have these settings saved we can now move on to pairing the headset to the radio. For this class we are going on the use of the Yaesu BH-2A headset. I have tried several different pairs and I could not get anything to work. If you find a set that works with it be sure to keep the PIN number as you will have to enter it in a few steps.

1. Make sure the headset is turned off.
2. Press the DISP button long enough on the radio to get to the main Setup Menu.
3. Select Config and then rotate the knob to number 15, Bluetooth Pairing.
4. If using the BH-2A headset then the default number is 6111 if it's not already displayed.
5. Turn the headset on and the headset lights should be blinking red and blue.
6. You will now select ENT (for enter) on the menu and it should now be pairing.
7. Once connected it should show COMPLETED and the screen should now go back to the menu list.
8. If you get an error while pairing then you will need to restart from the beginning. The most common problem according to Google search was an incorrect PIN number.
9. For situational awareness; you should also see the standard BT symbol on the top right of screen.
10. Congratulations, you should now be able to use your headset.

The FT5 is actually easier.

1. Press and hold the F Menu button to get to the set up screen.
2. Select OPTION.
3. Select #2 Bluetooth.
4. Screen should show 2 Bluetooth, ON, Not Connected with SEARCH flashing.
5. Select SEARCH and if you have a compatible headset (makes sure it's turned on) it will show in the screen. If there is more than one showing then you will need to rotate the knob until the desired headset is highlighted.
6. At this point it should now be paired and the led light will flash blue.
7. Press the PTT on the radio to save your settings and you should now also see the BT symbol at the top of the radio screen.
8. Congratulations, you should now be able to use your BT headset.