

Bluetooth Synching 101

Synching to your piconet with FTS4BT isn't an art, it's a science. Following the steps laid out here, you should be able to synch consistently.

Two general rules:

Always start your connection when the synch countdown is as close to the start (30 seconds, by default) as possible. The easiest way to do this is to press Resync Now, wait for the icon turn green, and then start the connection.

Don't keep trying the same thing over and over. If a particular approach fails three or four times in a row, you can conclude that it's going to continue to fail, move on to the next item on the list.

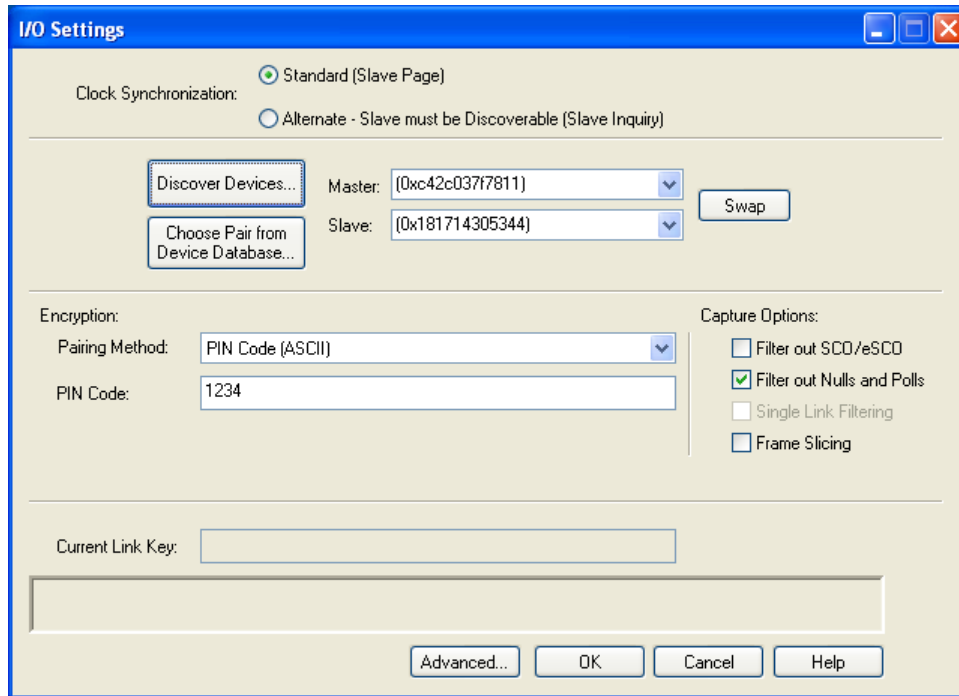
These are listed in order of their likelihood of success. It will be a very rare situation that would require you to go through all of this. 90% of the time, you won't need to go any further than step #1.

Before you start, make sure that you've got the most recent software and firmware. You can check your software by running the Get Latest Version shortcut in the Setup folder, under the FTS4BT desktop folder, or on the Start Menu. The latest firmware is supplied with each new version of FTS4BT and installed in C:\Program Files\Frontline Test System II\Frontline FTS4BT [version #]\Bluetooth ComProbe Firmware. Firmware may be updated using the Bluetooth ComProbe Maintenance Tool, also in the Setup folder.

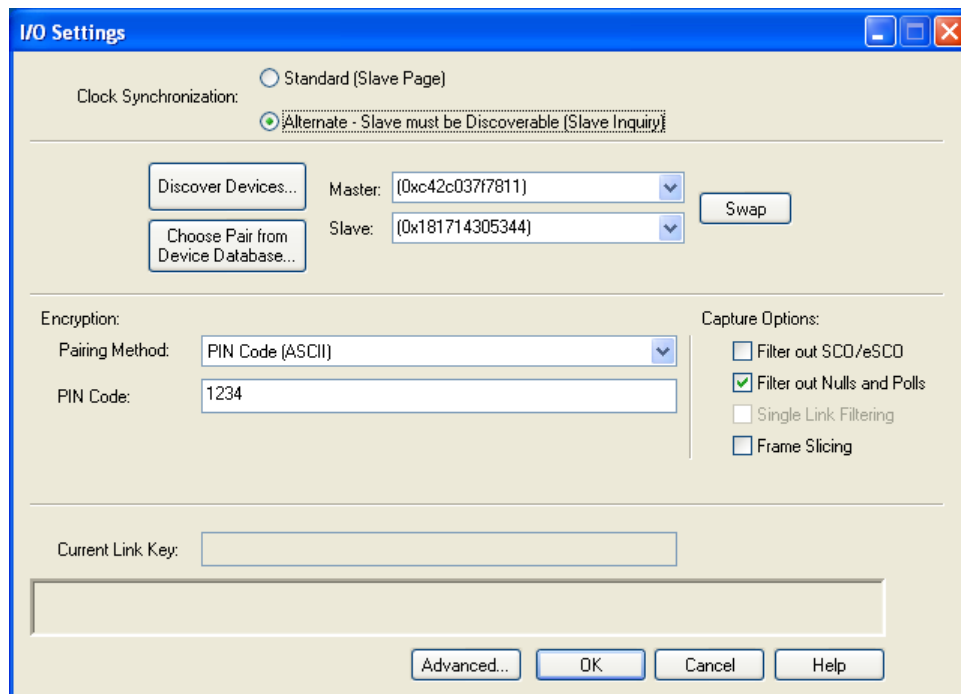
All of these assume that you've set up your Master and Slave BD_ADDRs and your pairing selection.

Start simple.

1. The first method to try is Standard Mode. Try that three to five times, if that doesn't work, move on to #2.



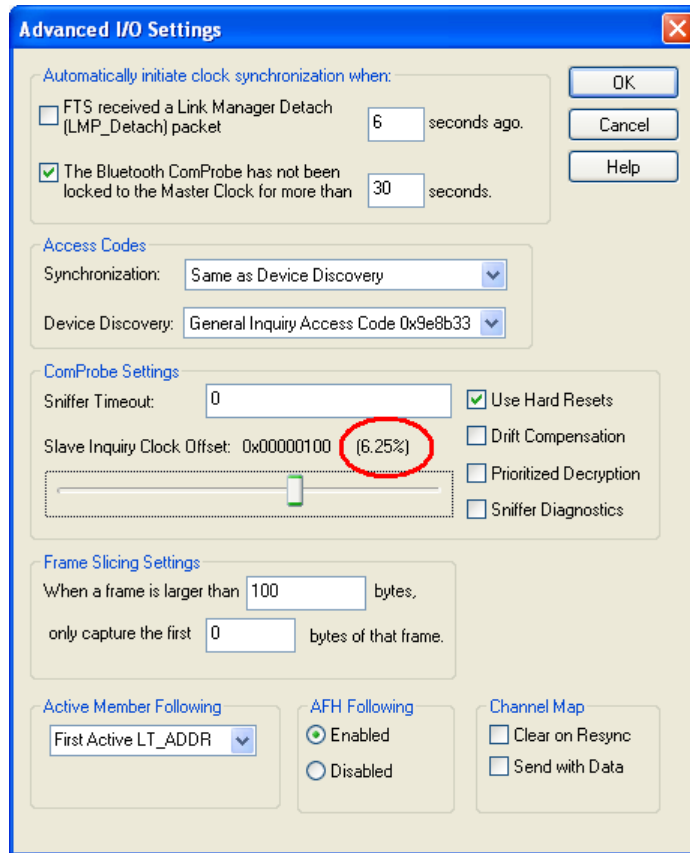
2. Try Alternate Mode. If Alternate doesn't work after three or so tries, it gets a little more complicated.



3. If neither #1 or #2 work, the slave you're trying to sync to is probably using Interlaced Page Scan (IPS). Sniffing IPS requires two ComProbes, listening at slightly different times. Select the Interlaced Page Scan shortcut from the launcher. You'll see two datasources, but we want to set them up identically, the same way you set them up in #1 and #2. REMINDER: when you start

sniffing with multiple ComProbes, capture doesn't start automatically, as it does with a single ComProbe, you need to click the Start Capture button yourself. Otherwise, follow the same rules and one or the other datasources should turn blue and capture. Again, if it doesn't after two or three tries...

4. Also use IPS, but we'll make a small configuration change. Open I/O Settings and click on the Advanced button. There is a slider there labeled Slave Inquiry Clock Offset. Slide that one notch to the right, it should read 6.25% just above:



Do this for both datasources and try capturing again.