

NavCOM 3040 Configuration with an External Satel Base and Internal Satel Rover radio

Step #1 – Run GPS Base in SurvCE:

- 1) Connect the Satel 35watt Radio to COM2 of the SF3040 Base receiver
****Please Note: Another option is to connect a Null Modem cable to Com1 of the GPS*
- 2) Run SurvCE 2.56 or higher
- 3) Tap the Equip tab / GPS Base / Comms tab set it to a Baud Rate of **38400** / 8 / None / 1
- 4) Then tap the “RTK” tab and set the Device to “**Satel 3AS**”
- 5) Set the “RTK Port” to **COM2** and set the “Baud:” to **38400**
- 6) Tap the “wrenches” icon next to “Device: Satel 3AS” and set your Radio Options
- 7) Tap the Green Check in the upper right to complete your Base Setup using the normal procedures

Step # 2 - Setup the Satel Easy Pro Base Radio:

On the Satel Easy Pro Base Radio in the menu on the radio:

- 1) Select Setup
- 2) Down Arrow to Addressing
- 3) Select
- 4) Down Arrow to TX Addr Select
The Addressing page in the radio has two sets of available addresses: 0000 0000. The first set is Primary Network ID, the Second Set is the Repeater ID. We want to set the Primary Network ID.
- 5) Push Next (Square Button) to move the ^ to the right.
- 6) To set a Primary Network ID use the Up Down buttons.
- 7) The Network ID is in HexDecimal. 1-9 will be the same as decimal. A is 10.
- 8) Set the Network ID to a number 1-9. Network ID of 1 will be 0001.
- 9) Use Next Button to move ^ to OFF and Up Down button to change to ON.
- 10) Then push Set (Square Button) to Save Setting.
- 11) Push Back button(Circle Button) until you reach the Exit.
- 12) Push Exit (Circle Button) then Save Settings (Circle Button).

Steps # 1 through 12 would have to be repeated each time you use the “wrenches” icon by “Device: Satel 3AS” in Equip / GPS Base / RTK tab

Step #3 – Run GPS Rover in SurvCE:

- 1) Power on your Navcom SF3040 GPS Rover receiver
- 2) Tap Equip / GPS Rover / RTK Tab
- 3) set the “Device:” to “**Internal UHF**”.
The RTK Port will be Internal and Baud is 19200 grayed out.
- 4) Tap the “wrenches” icon next to “Device: Internal UHF”
- 5) set the Frequency to match the Base Radio and set “Network ID” to match Base. For 1 enter 1 this is the default.
- 6) Fill out your “Base ID” if you set one during the Base Setup then tap the Green Check

On the NavCOM receiver the RTK light should flash green when receiving correction. When a RTK FIX is received the light will go solid.