Tactical GPS v1 module install

This module has more capacity then needed. But this may not be the full-size rack that will be added to get what I want as a functional Navigation system.

Current version features:

1. Programable Scram value via ‘keyboard’
2. Both Stock ISAN coordinates and T-POS coordinates.
3. Once system is running average coordinate update time is under a second.
4. 3 base nav modes.
    a. ISAN mode ‘Red right-hand button’ in the Moreton cockpit
    b. T-POS mode “Green right-hand button in Moreton cockpit
    c. Shutdown mode Both green and red buttons off clear the ‘GPS’ display to remove coordinates
5. Storage of errors in the main GPS system for diagnostics.
6. Like current ISAN both mono and quad receivers can be used. Whenever posable use quad over mono.

Planed features:

1. Bearing for current path ship must be moving to calculate
2. Bearing to target will be entered via keypad.
3. Expanded buoy network.

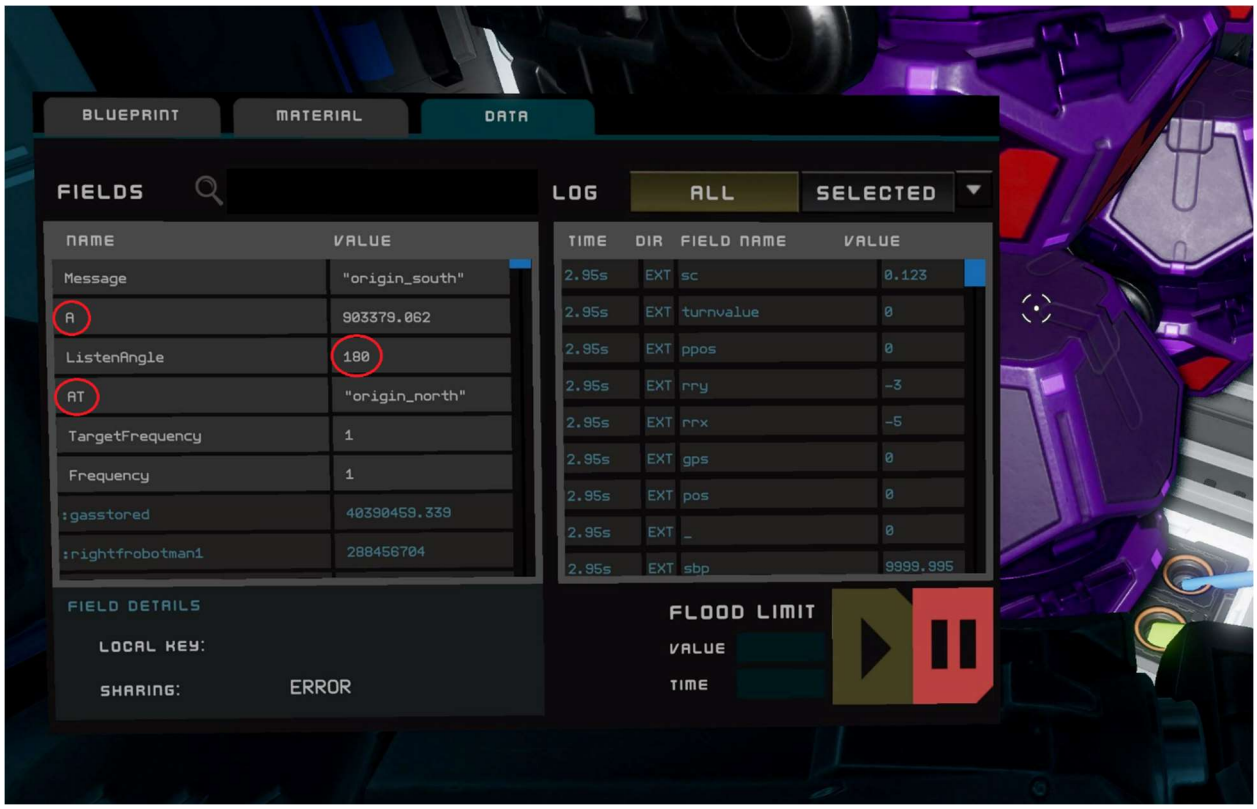
Install instructions:

Install should be straight forward and minimal setup should be required

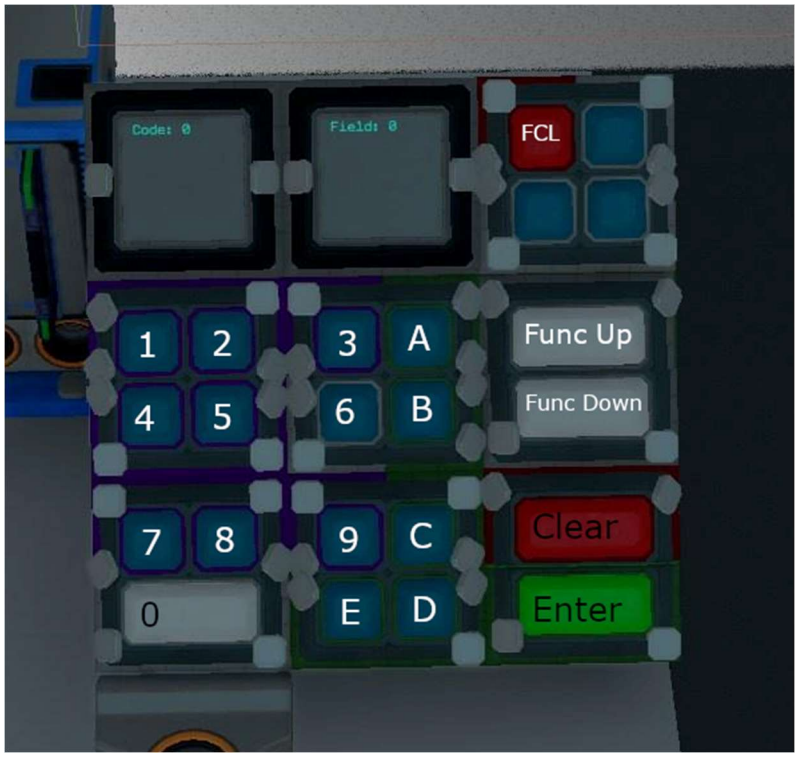
1. Location of tower should allow for the racks to be bolted to beams from upgrade platform into target ship. Reconfiguration of the tower to be horizontal can be done instead of the vertical stack. The memory relay block can interface with any side that match its top or bottom surface.
2. The button panel need to be installed near the cockpit on target craft. It does not have to be in cockpit. But access to it is important for encoding changes and future update. The 3x3 button plate should not be changed unless absolutely necessary.
3. Bearing display will need to be in easy visual for pilot. Will have current heading and bearing to target when implemented.
4. Renaming of Navigation Receiver fields are as follows. See below picture for reference as well.
    a. SignalStrength name changed to a for mono and a, b, c or d if using quad.
    b. ListenAngle value needs to be 180
    c. TargetMessage name changed to at for mono and at, bt, ct or dt for quad.
    d. Case of names and values do not affect yolol.
5. Ensure that the ‘gps’/nav screen is named pos.
6. Rename the ‘red ISAN’ button in the Moreton to ‘gps’. This is the ‘public’ ISAN coordinates

7. Ensure that the ‘Green Scram’ button in the Moreton to ‘scram‘. This is the t-pos button of coordinates.

Receiver Utility Settings:



Button Map:



Usage:

1. ‘POS’ display should show ‘Navigation Shutdown’ until either the Red ‘gps’ button or green T-pos modes are pressed.
2. Pressing GPS will activate navigation and display the public ISAN coordinate system.
3. Pressing Scram will activate navigation and display the encrypted T-POS coordinate systems.
4. After entering a new numeric code on the button panel pressing enter will auto store the code for a new hash code. There is no display function for the code.

More function and settings to follow in future updates.

Direct any question to Zeplintwo#3048 on discord.