Miltech Simulations MH60

MD Popups

MFD Popup Screens Overview

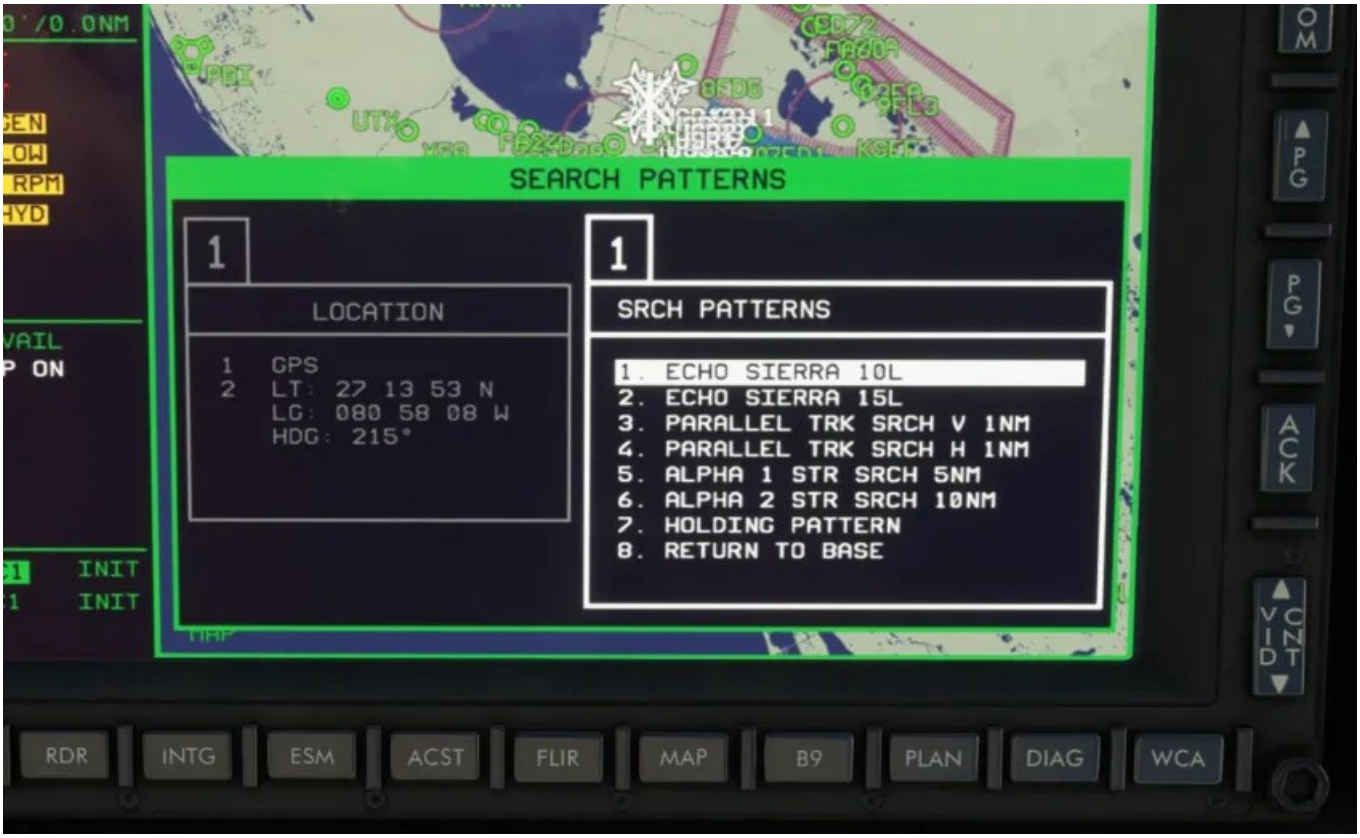
The MH-60's Multi-Function Displays (MFDs) include several specialized popup screens accessible via the Keyset. These provide quick access to mission-specific or configuration-specific functions.

Search Pattern

The Search Pattern popup allows the crew to define and execute automated search patterns during Search and Rescue (SAR) or reconnaissance missions. Several options are available, as displayed below.

Create Search Patterns

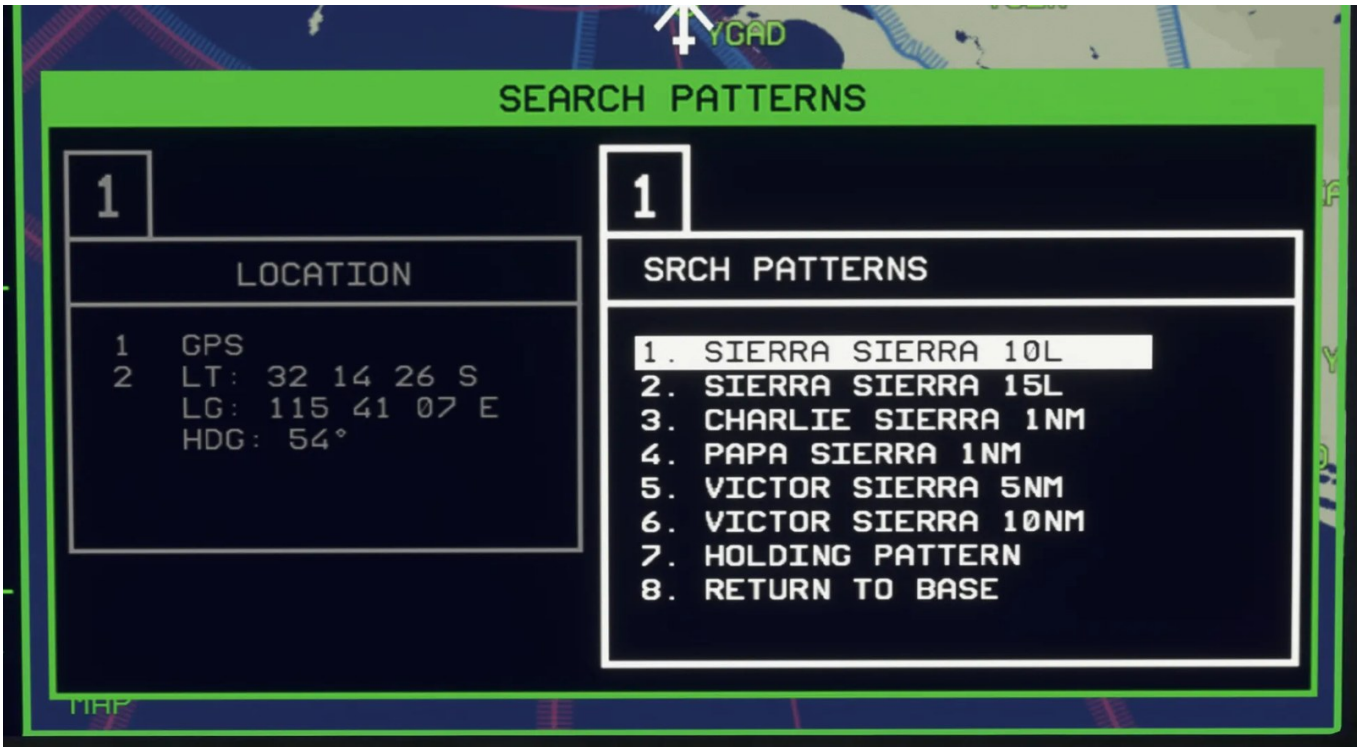
1. Navigate to the NAV Menu, and select SRCH PTTR option. This will open up the SEARCH PATTERN Pop-up menu on the Mission Display.
2. Use the PG UP or PG DN keys, either on the Keyset or MD Bezel, to move the cursor. Press ACK to select a Search Pattern. The FTP Flightplan will now be overwritten with the selected Search Pattern.



Search Patterns Pop-up Menu. Note PG UP, PG DN and ACK Buttons on the right bezel for navigation.

3. You may now close the Pop-up by pressing SRCH *PTTR*. Adjust Map Range as desired and fly the Search Pattern manually.

All Search Patterns are predefined and non-editable. They all originate from the aircraft location at the time of activation.



Norm FTP

The Norm FTP (Normal Flight-To-Point) popup allows the crew to create or edit a flight plan consisting of sequential navigation points (FTP Points). This tool is used to define custom flight routes directly from the MFD without requiring external mission files.

Edit and/or Create FTP (Fly-To-Point) Flightplans

1. Navigate to the NAV Menu, and select the FTP EDIT Submenu.
2. Three new options will open up on the Keyset PK Menu. Additionally, the NORM FTP Pop-up will display on the Mission Display.



FTP Edit Submenu, displaying option EDIT WYPT

3. Use the PG UP or PG DN keys, either on the Keyset or MD Bezel, to select a waypoint. "FTP---" Displays the selected waypoint number. Remember, anytime you see a white box highlighted WHITE, it is a cursor that may be interacted with PG UP/DN/LEFT/RIGHT.
4. After selecting the waypoint you wish to edit or enter, press EDIT WYPT on the Keyset. The waypoint's coordinates will appear with a green background, indicating that the field is now active and ready to receive input.

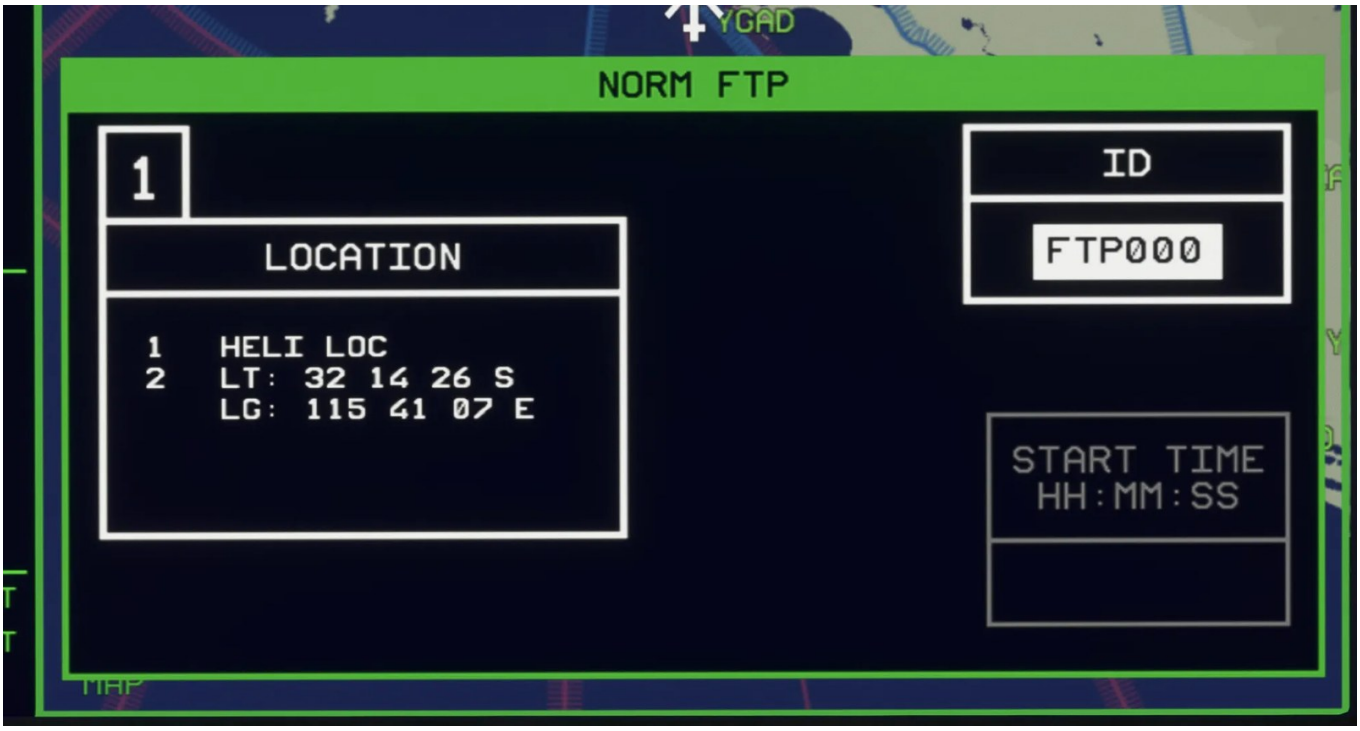


NORM FTP Pop-up, Waypoint FTP002 Selected. Fields are highlighted green, indicating active for editing. Notice PG UP and PG DN buttons on the right bezel.

5. Use the Keyset numberpad to enter coordinates, starting with LATITUDE. First number indicates the direction - 2 for NORTH, 8 for SOUTH. Any other number is interpreted as NORTH. Then type the Degrees, Minutes and Seconds. Press ENT to insert.
6. If the entered coordinate is not valid, it will default to N00 00 00.
7. To deactivate editing and return to the previously stored value, you may press EDIT *WYPT* at any time.
8. Use the Keyset numberpad to enter LONGITUDE. First number indicates the direction - 3 for WEST, 5 for EAST. Any other number is interpreted as WEST. Then type the Degrees, Minutes Seconds. Press ENT to insert.
9. Once both coordinates are inserted, the flight plan will automatically reconstruct and reload.

You may repeat these steps to continue manually adding waypoints, or edit waypoints from existing flight plans.

If you prefer, you may also use LVAR L:MH60_Numeric_Stream to directly type into the fields using your keyboard.



Load FTP

The Load FTP (Load Flight-To-Point) popup allows the crew to retrieve and load pre-planned Flight Plans directly from the cloud through the Miltech Simulations INSPlanner system.

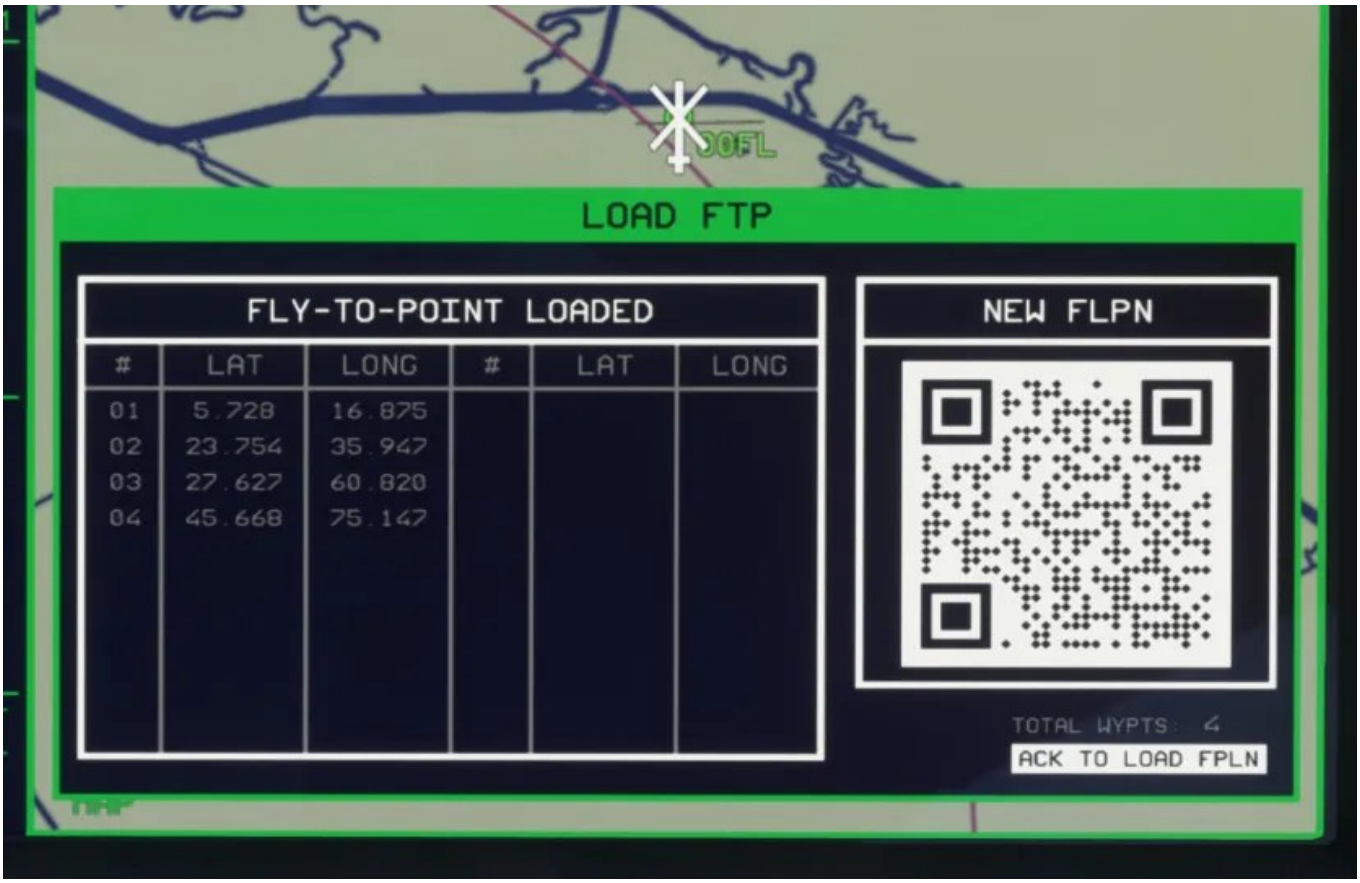
Quickly Load FTP (Fly-To-Point) Flightplans and "Datacards" from the Cloud

1. Navigate to the NAV Menu, and select LOAD FPLN.
2. The LOAD FTP Pop-up will display on the Mission Display (MD). PK Option on Keyset will now display as *FPLN*
3. Scan QR Code or enter insplanner.miltechsimulations.com. Use your mouse click to create waypoints on the map.
4. When the route has been completed, click on "Send to Aircraft". A 6-digit numeric code will be generated.
5. Return to the simulator, and using the Keyset numberpad, enter the 6-digit code. Press ENT to enter.



Flightplan #123456 has been entered. Press ENT

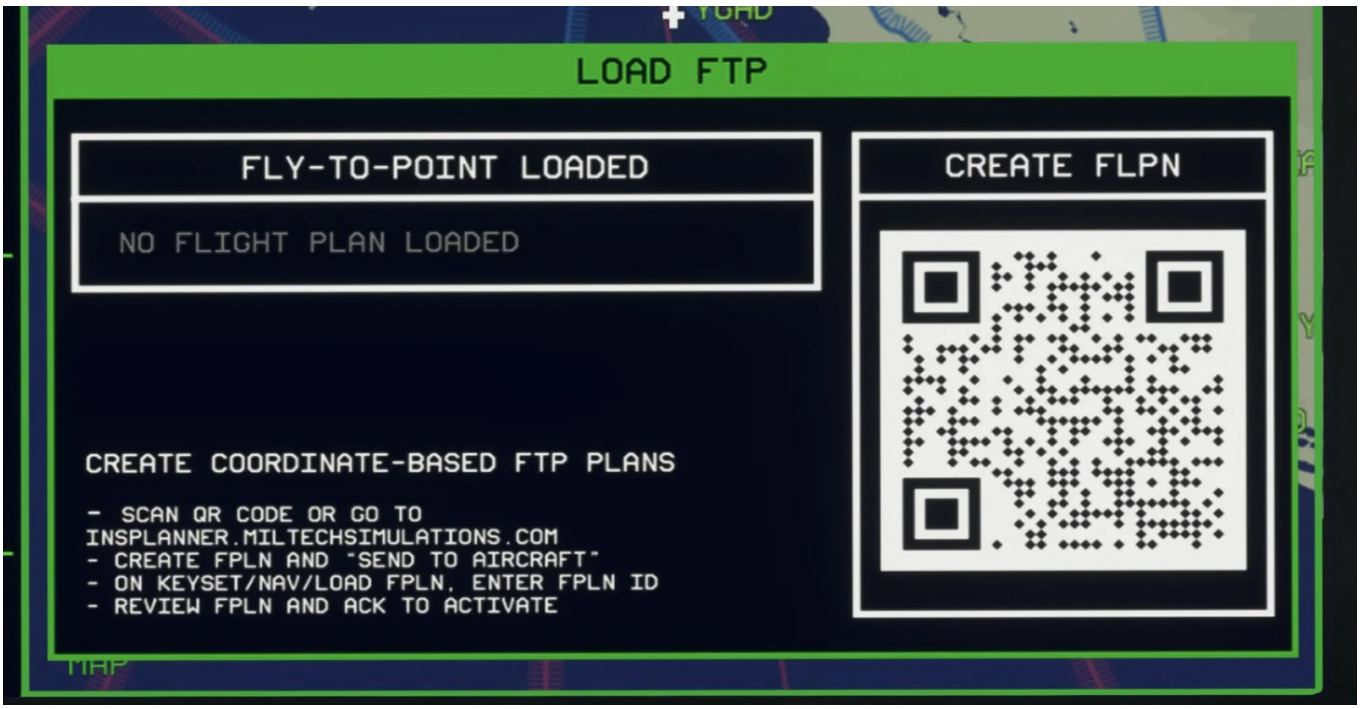
6. A preview of the loaded flight plan will render on the MD Pop-up. If the flight plan looks correct, press ACK (either on the Keyset or MD Bezel) to load into the map. If changes are made, you may reenter the code and press ENT to refresh.



Pop-up displaying Loaded Waypoints. Press ACK to continue.

7. You should now see your flight plan loaded onto the map. You may close the Pop-up by clicking on the *FPLN* PK Option on the Keyset.

This function simulates loading of coordinate-based Flight Plans on Datacards, which is the most commonly used navigation method on this sort of naval helicopters.



Tune

The Tune popup provides a streamlined interface for radio and navigation frequency management, allowing the crew to set and monitor all communication and navigation radios directly from the MFD.

Tune Communication Radios

1. Use the quick TUNE access from the Keyset Menu, or TUNE button on the Keyset keyboard, to access the TUNE Pop-up on Mission Display.
2. Use PG UP or PG DN, either on the Keyset or MD Bezel, to select a radio to tune. Remember, anytime you see a white box highlighted WHITE, it is a cursor that may be interacted with PG UP/DN/LEFT/RIGHT.
3. Once selected, press ACK or SEL (MD Bezel or Keyset) to enter a frequency.
4. The STBY FREQ will now appear with a green background, indicating that the field is now active and ready to receive input.
5. Use the Keyset numberpad to enter frequency. The decimal period is added automatically.



TUNE Pop-up. Note the green box indicating active for input on STBY. Note PG UP/PG DN/ACK Buttons on Bezel

4. Once completed, press ACK again to validate and change frequency. If the entered frequency is invalid, frequency will not be changed.
5. Alternatively, you may press ENT to directly validate the frequency and XFER to Active. You may also use ENT at any time while the TUNE Pop-up is open to XFER the frequencies selected.

Note
Alternatively, you may access V-UHF1 and V-UHF2 from COMM Menu, V/U1 and V/U2 respectively.
XFER is always available under COMM Menu without requiring TUNE Pop-up to be opened.

Tune Navigation Radios

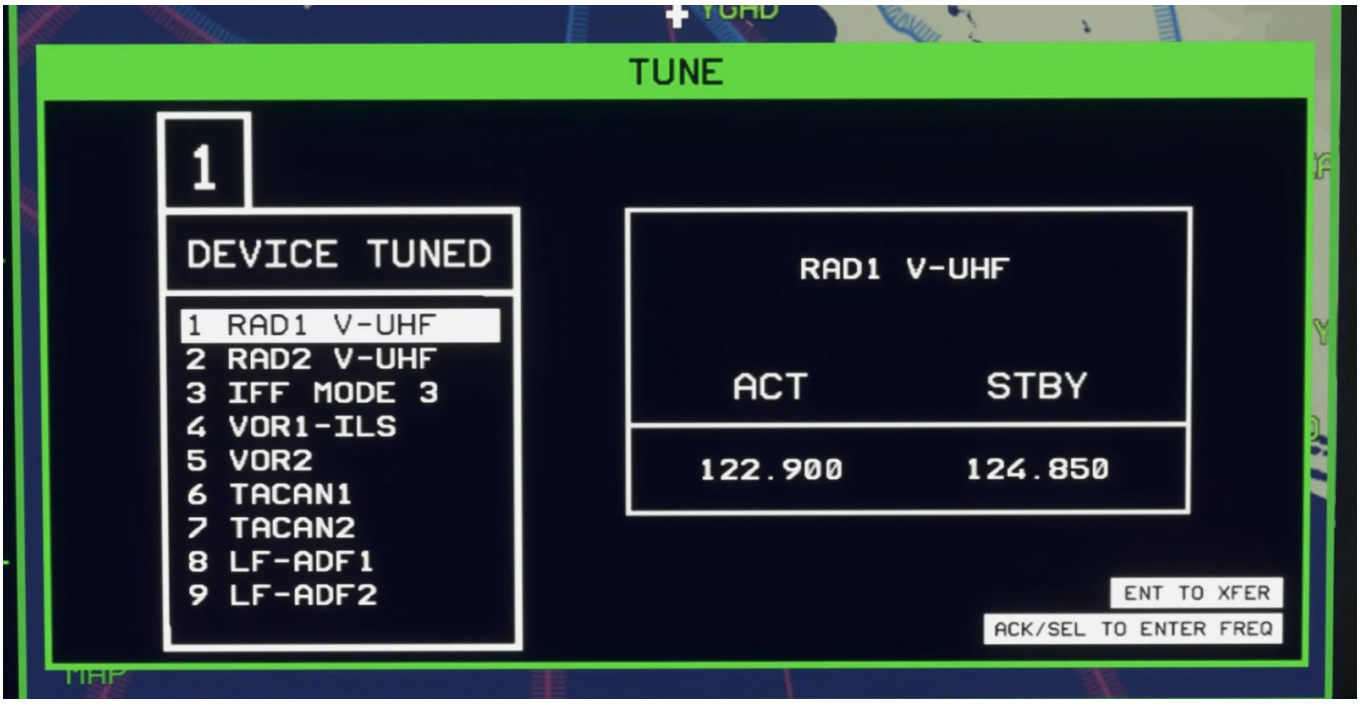
1. Use the quick TUNE access from the Keyset Menu, or TUNE button on the Keyset keyboard, to access the TUNE Pop-up on Mission Display.
2. Use PG UP or PG DN, either on the Keyset or MD Bezel, to select a radio to tune. Remember, anytime you see a white box highlighted WHITE, it is a cursor that may be interacted with PG UP/DN/LEFT/RIGHT.
3. Once selected, press ACK or SEL (MD Bezel or Keyset) to enter a frequency.
4. The STBY FREQ will now appear with a green background, indicating that the field is now active and ready to receive input.
5. Use the Keyset numberpad to enter frequency. The decimal period is added automatically.



TUNE Pop-up. Note the green box indicating active for input on STBY. Note PG UP/PG DN/ACK Buttons on Bezel

4. Once completed, press ACK again to validate and change frequency. If the entered frequency is invalid, frequency will not be changed.
5. Alternatively, you may press ENT to directly validate the frequency and XFER to Active. You may also use ENT at any time while the TUNE Pop-up is open to XFER the frequencies selected.

Note
Alternatively, you may access LADF1 and VORTAC from NAV Menu, LADF TUNE and VTAC TUNE respectively. TACAN Mode X/Y (Affecting both TACAN1 and TACAN2) can be switched from NAV Menu/TACN MDE


TUNE
1
DEVICE TUNED
1 RAD1 V-UHF
2 RAD2 V-UHF
3 IFF MODE 3
4 VOR1-ILS
5 VOR2
6 TACAN1
7 TACAN2
8 LF-ADF1
9 LF-ADF2
RAD1 V-UHF
ACT
STBY
122.900
124.850
ENT TO XFER
ACK/SEL TO ENTER FREQ