

Communication Setup

COM1 and COM2 are used for aviation communications.

COM3 is used for CAP communications.

AUX is used for Becker (ELT) monitoring.

To use COM3, press the COM3 MIC button. This will allow you to talk and listen on COM3.

To monitor other COM channels, select the COM1 or COM2 button.



MFD Setup

MAP display settings

Select the MAP page group
Select the NAVIGATION MAP page

Press the MENU button, highlight “Map Setup”, and press ENT.

Highlight the “MAP” Group.

Press the MENU button again and select “Restore All Defaults” then press ENT

Use the FMS knobs to ensure the following settings:

ORIENTATION – NORTH UP

AUTO ZOOM – Off

LAND DATA – On

TRACK VECTOR – On

WIND VECTOR – On

NAV RANGE RING – On

TOPO DATA – On

TOPO SCALE – Off

OBSTACLE DATA – On

Press the FMS knob to deactivate the cursor

Setup map to display Lat/Long grids.

Select the MAP page group

Select the NAVIGATION MAP page

Press the MENU button and press ENT

While GROUP is highlighted, use small FMS knob to select the LAND group

LAT/LON – TEXT – Med

LAT/LON – RNG – 30NM

Press the FMS knob to deactivate the cursor

Restore MFD AUX setup to factory settings

Select the AUX page group

Select AUX - SYSTEM SETUP

Press DFLTS soft key to restore all defaults

AUX Page group settings.

Select the AUX page group

Select AUX – SYSTEM SETUP

Ensure the following settings:

TIME FORMAT – UTC

NAV ANGLE – MAGNETIC

POSITION – HDDD MM.MM

MFD DATA BAR FIELDS:

FIELD 1 – GS

FIELD 2 – DIS

FIELD 3 – XTK

FIELD 4 – BRG

GPS CDI – SELECTED to 0.30 NM

Press the FMS knob to deactivate the cursor

Delete all user flight plans and user waypoints.

Press the FPL button

Select the FLIGHT PLAN

CATALOG page

Press the MENU button

Select “Delete All”

Press CLR for 2 seconds.

Select WPT page group

Select the User Waypoint Info page

Press the MENU button and Select

Delete All User Waypoints (if shown)

SAR Quick Reference

Create User Waypoint

Turn the **large FMS** knob to select the WPT page group.
Turn the **small FMS** knob to select the USER WPT INFORMATION page. Press the **NEW** soft key
Turn the **FMS** knobs to enter a name for the new waypoint. Press **ENT**.
Turn the **FMS** knobs to enter the position coordinates.
Turn the **large FMS** knob to move the cursor to the desired field and turn the **small FMS** knob to make changes. Press **ENT** when finished.
Press **CLR** for 2 seconds to go to Navigation Map page.

Modify a User Waypoint

Go to WPT- User WPT Info
With the USER WPT INFOR page displayed, press the **FMS** knob to activate the cursor.
Turn the FMS knobs, to select the waypoint name
NOTE: If you are prompted to add a waypoint with the given name, you have not chosen a valid user waypoint.
Turn the **FMS** knobs to make changes to the user waypoint
Press **ENT** to accept the changes.
Press **CLR** key for 2 seconds to go to navigation page.

Create User Waypoint from present position

Select the NAVIGATION MAP page

Push the **joystick**. The pointer is displayed at the present position.
Press **ENT** to create a waypoint in that location
Turn the **FMS** knobs to select the waypoint name.
Press **ENT** to accept the selected name.
Press **CLR** for 2 seconds to go to navigation page.

Create a User Waypoint referenced from another Waypoint

With the USER WPT INFORMATION page displayed, press the **NEW** softkey to enter a waypoint.
Turn the **FMS** knobs to name the waypoint.
Press **ENT**. This will move the cursor to the reference waypoint area.
Turn the small **FMS** knob CCW to bring up the waypoint reference window. You can reference from the FPL, NRST or RECENT,
Turn the Large **FMS** knob to cursor down through the list of waypoints.
Press **ENT** to select that waypoint. The RADIAL is the angle to that point, and DIS is the distance. Turn the **FMS** knobs to make changes.
Press **ENT** when finished.
Press the **CLR** for 2 seconds to go to navigation page.

Store & Activate Flight Plan

Press the FPL key and turn the small FMS knob to display the Flight Plan Catalog page.

Press the **NEW** soft key to display a blank FPL page.
Use the FMS knobs to insert waypoints. Press **ENT** after entering each waypoint.
Press the **ACTIVE** soft key to activate the stored flight plan.

Parallel Track Search Setup

Store and activate a flight plan consisting of the four corners of your grid.
Press the FPL key
Press the **FMS** knob to activate the cursor
Use the **large FMS** knob to highlight the grid entry point.
Press **MENU**, select Search and Rescue, and press **ENT**
Select the Parallel pattern.
Configure the remaining fields as necessary.
- Leg length is 7.5nm
-Number of legs is 9
-Select Activate SAR and press **ENT**.

Sector Search Setup

Store and activate a flight plan consisting of at least the search start point. You may need to create a user defined waypoint.
Press the FPL key
Press the FMS knob to activate the cursor, then use the **large FMS** knob to highlight the entry point.
Press **MENU**, select Search and Rescue, and press **ENT**
Select the Sector pattern

Configure the remaining fields as necessary

Expanding Square Search Setup

Store and activate a flight plan consisting of at least the sector's center. You may need to create a user defined waypoint.
Press the FPL key
Press the FMS knob to activate the cursor, then use the **large FMS** knob to highlight the grid entry point.
Press **MENU**, select Search and Rescue, and press **ENT**
Select the EXP SQR pattern
Configure the remaining fields as necessary.

Mark a Target

Press the RANGE-PAN knob when the aircraft flies over the target. This will put a white cross on the MFD.
Do not toggle the RANGE-PAN knob after marking.
Write down the Latitude and Longitude of the marked location. It is displayed upper left corner of the MFD.

Mark Current Position

Push Range SmKb
Move pointer to desired position with Range SmKb
ENTER selects user WPT name entry
SmKb/LgKb to spell name
ENTER accepts name
Push SmKb (FMS) for Cursor Off