C. OBS Mode

While the OBS mode remains a mystery to many GPS users, it is a most useful feature of the receiver. It allows you to select a course to fly to a waypoint, much like a VOR. One good reason to be familiar with this operation is to be able to approach an airport on a course that is very close to the extended centerline of any runway. Extremely useful when flying in reduced visibility because distance is also available. It won't be the exact centerline because the course line is drawn from the airport reference point. For our example, we are proceeding direct from KHUT to 70K, a small airport called Wichita/Maize. It has a single turf runway, 17-35 and the surface wind is 180 at 25 knots. It would be to our advantage to land on runway 17. With larger airports the 196 will show extended centerlines as "ILS Feathers" when it is your destination. The map scale for this to occur is selectable in the runway extensions field under the Airport Tab in the Set Up Map selection on the Map Page. The OBS function will allow the 196 to display a course line of 170 to the airport reference point. Here's how.
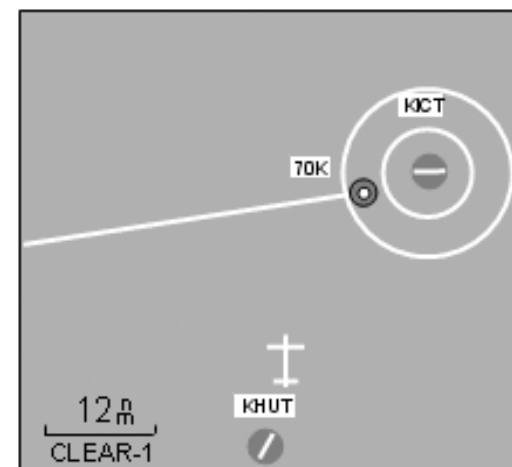
With the Panel or HSI Page displayed and 70K as the active waypoint,
1. PRESS MENU for the selections shown on the right.
2. Use the Arrow Keypad to highlight "Set OBS and Hold".
3. PRESS ENTER . A window appears in the middle of the HSI with the present course of 127 shown.

Set OBS and Hold
Set Bug Indicator
VNAV Indicator On
Capture VNAV Profile
Set CDI Scale
Setup Page Layout
Change Data Fields
MENU for Main Menu

4. Use the Left and Right Buttons on the Arrow Keypad to select the runway heading of 170.
5. PRESS ENTER to complete the selection. The course window disappears, the heading bug shows the heading to 70K, but the Desired Course Pointer reflects the OBS Course that was selected. If you don't change heading, you will intercept the desired course but it will be **at the airport!**

127°m ⟹ 170°m

6. PRESS QUIT twice to display the map page. You will now see the desired track line extending north from 70K. We have turned east, as shown, to manually intercept the course. If you zoom out, you will see that this track line extends for 500 miles!

NOTES:
1. When this feature is in use, "Release Hold" is available in the menu beneath "Set OBS and Hold".
2. To proceed direct to the airport from your present position, PRESS � and ENTER .
3. Selecting "OBS and HOLD" also prevents the unit from automatically sequencing to the next waypoint if there are more

automatically sequencing to the next waypoint if there are more waypoints in the route. Selecting "Release Hold" will allow sequencing while retaining the defined course.