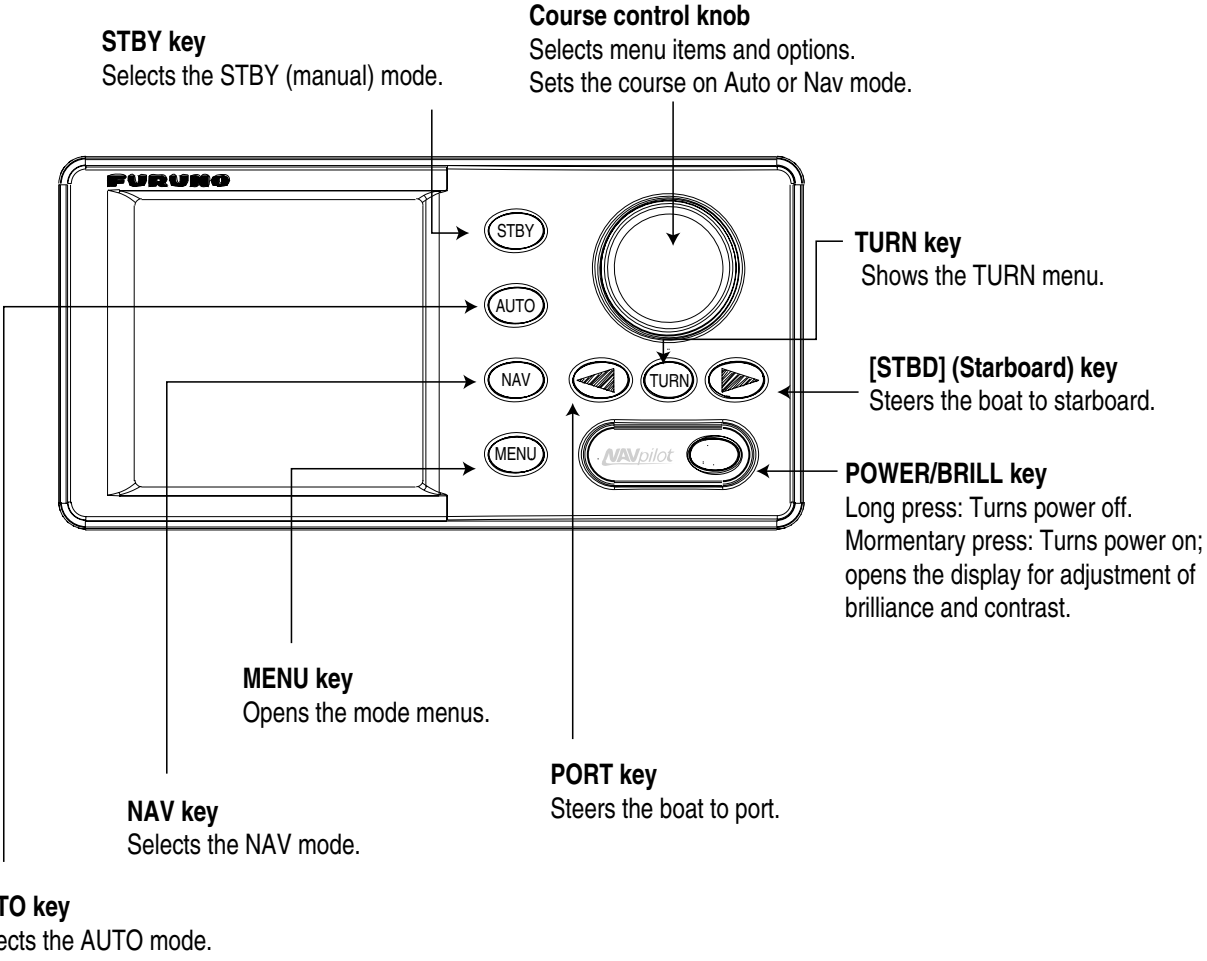


# AUTOPILOT NAVpilot-500

## Operator's Guide

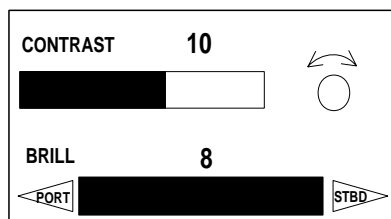
The purpose of this Operator's Guide is to provide basic operating procedures for this equipment. For more detailed information see the Operator's Manual.

### Operating controls



## Adjusting Brilliance/Contrast

1. Press the [POWER/BRILL] key to show the adjusting window.



2. Press the [PORT] or [STBD] key for adjusting BRILLIANCE. Rotate the [ENTER] knob for adjusting CONTRAST.
3. Press any key except [POWER/BRILL], [PORT] or [STBY] keys to close the window.

## Steering in STBY mode

1. Press the [STBY] key to go into the STBY mode.
2. Steer the boat with the helm wheel.

### **WARNING**

Steer the boat in the STBY mode in heavy traffic areas, narrow channels and bad weather conditions.

## Steering in AUTO mode

1. Set the boat on the desired course in STBY mode.
2. Press the [AUTO] key to go into the AUTO mode.
3. Rotate the [ENTER] knob for fine course adjustment.

The NAVpilot-500 will maintain the boat's heading automatically at the course set. In this mode, the boat may drift due to wind and current.

## Steering in ADVANCED AUTO mode

1. Connect the NAVpilot-500 to a navaid which output position data.
2. Select "ADVANCED AUTO: ON" from the AUTO mode menu.
3. Operate the NAVpilot-500 as similarly with the AUTO mode.

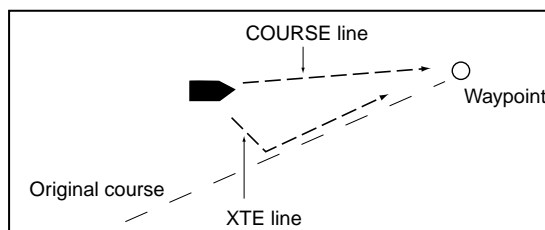
ADVANCED AUTO mode maintains set course without deviating from the track.

## Set the boat in NAV mode

1. Select a destination waypoint on the navigator connected.
3. Set the boat on the desired course in STBY mode.
3. Press the [NAV] key to go into the NAV mode.

This mode is used in connection with a navigational aid, such as GPS navigator. In this mode, current and weather will have little affect on the boat's track line.

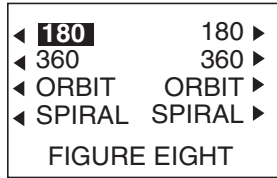
When the ship goes out from the course on the NAV mode, the boat runs to the waypoint by COURSE or XTE mode.



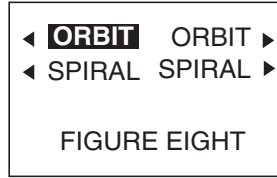
Select the NAV MODE "COURSE" or "XTE" from the NAV mode.

## Using the TURN mode

The [TURN] key provides the various turning motions depending on the used mode. The arrows show the direction to turn.



AUTO mode

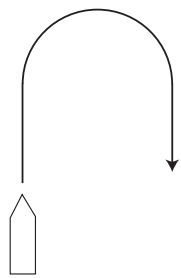


STBY, NAV mode

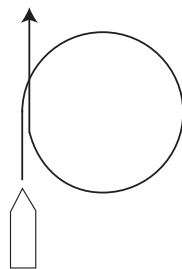
Rotate the [ENTER] knob to select turn mode desired, and then press the [ENTER] knob.

### 180°/360° (AUTO mode only)

This function changes the current set course 180° or 360°.



180° turn



360° turn

Press the [PORT] or [STBD] key appropriately.

### ORBIT

The boat will orbit around the boat's current position.

### SPIRAL

The boat will spiral in the direction of heading (in STBY mode), set course (in AUTO mode) or the shortest course to the next waypoint (in NAV mode).

### FIGURE EIGHT

After the boat has traveled the distance "d" set on the menu, it starts turning in a figure eight pattern, automatically returning to the position where the figure eight mode was initiated.

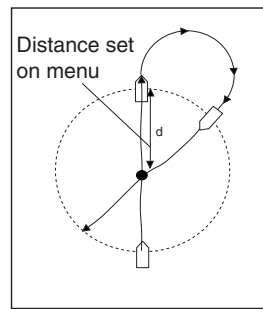
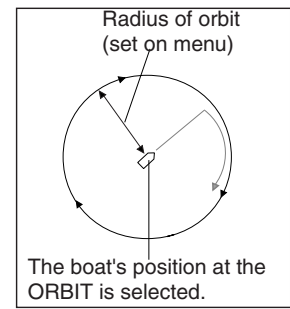
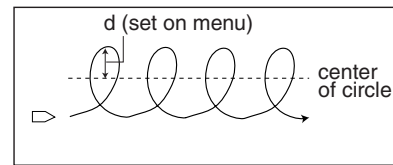


FIGURE EIGHT mode



ORBIT mode



SPIRAL mode

## Dodging

To dodge other boats or obstacles, do the following depending on the current mode.

### In STBY mode

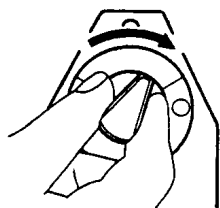
Press the [PORT] or [STBD] key to steer the rudder appropriately until the obstacle has been dodged.

### In AUTO or NAV mode

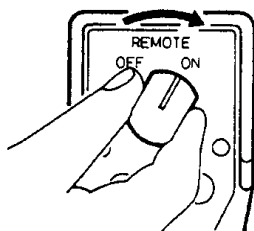
Press the [PORT] or [STBD] key to change the course appropriately until the obstacle has been dodged.

## REMOTE mode

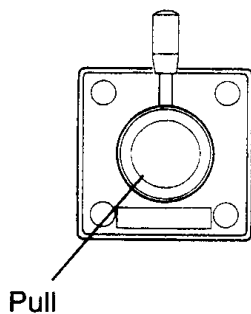
1. Turn on the remote controller switch to show "FU" or "NFU" on the control unit.  
For dodge type, there is no power switch.



Dial type

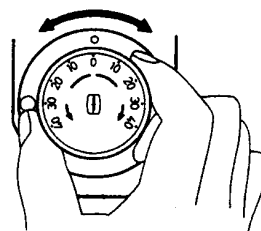


Button type

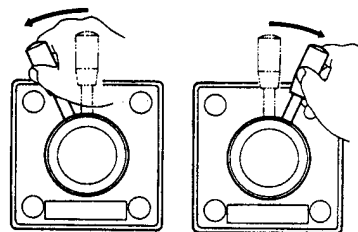
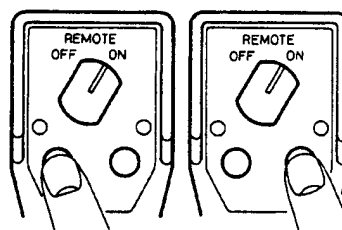


Lever type

2. Steer the boat by using the remote controller.

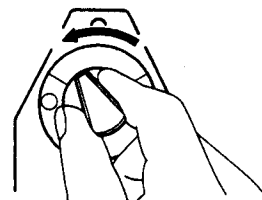


Dial type

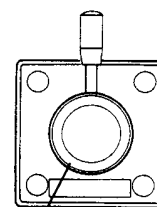
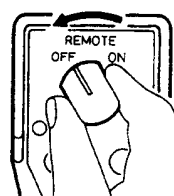


Button and lever type

3. Turn off the remote controller switch.



Dial type



Push

Button and lever type

PUB. No. OSE-72500-D  
(2003/12, HIMA)



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\* OSE72500D00 \*