



ComNav[®] Commander P2 Autopilot Operation — Quick Reference Guide

POWER ON/OFF

To **Power ON**, press  for 2 seconds.


To **Power OFF**, press  until **RELEASE** appears in display.

MODES

Any of these four primary modes may be entered at any time.


STANDBY — vessel is steered manually



(**S** is shown in upper left of display)

Press  for 2 seconds to switch to **STANDBY** mode.

POWER STEER — operator steers vessel with knob


(**P** is shown in upper left of display)

Press  for 2 seconds to switch to **POWER STEER** mode.

Use  or  or  to move rudder.

AUTO — autopilot steers to heading set by operator

(**A** is shown in upper left of display)

Press  for 2 seconds to switch to **AUTO** mode.

Use  to change course.


Press  for 3 seconds for **WORK** mode [non-sailboats]
or for **AUTO WIND** mode [sailboats only].


Use  or  to dodge obstacles.

NAV — autopilot steers to active GPS waypoint

(**N** is shown in upper left of display)

Press  for 2 seconds to switch to **NAV** mode.

Press  again to toggle to alternative **NAV** display.
(press it again to switch back to regular **NAV** display).

Press  for 3 seconds for **WORK** mode [non-sailboats]
or for **NAV WIND** mode [sailboats only].



Use  or  to dodge obstacles.


(**WORK** and **WIND** modes are described on other side)


MODE MENUS

◆ Refer to Operation Manual when setting parameters ◆


To enter or exit a mode's menu, double-press the corresponding mode key (as shown below).

Use  or  to select a parameter.

Use  to change the value of a parameter.






STANDBY menu > double-press 

- Station Lock [Lock or Unlock]
- Default Turn [choose from any available]
- Compass Source [choose from any available]
- Compass Calibration [see Manual]
- Backlight Level [0 = Off, 8 = maximum]
- Contrast [monochrome only]
- Display [monochrome: Norm, Rev]
[colour: A, B, C]
- Watch Alarm [in minutes]
- Fishzag Time [in seconds]
- Battery [read only]

POWER STEER menu > double-press 

- Standby/Power Steer Rudder & Remote Tiller Limits
- AUTO/NAV Rudder Limits
- Head's Rudder Angle Indicator Offset


AUTO menu > double-press 

- (parameters marked with  have LO & HI speed values)
- Rudder Gain  [1 = minimum, 10 = maximum] ◆
 - Counter Rudder  [0 = minimum, 10 = maximum]
 - Seastate (Yaw)  [Automatic, or 1° – 10°]
 - Turn Rate  [degrees per second]
 - (Speed) Parameter Set [Lo, Hi, Auto]
 - Speed Trip Point [in Knots or Km/H, depends on sensor]
 - Speed Source [NAV1, NAV2, N2000, NX2]
 - Automatic Leeway Correction [On, Off]
 - Thruster Assist [Off, or trip speed: 0.5 – 7 (Kn or Km/H)]
 - Thruster Gain [Low, Medium, High]
(Thruster operation requires an enabled CT7 Interface)

NAV menu > double-press 

- NAV Source [NAV1, NAV2, N2000, NX2]
- XTE (cross-track error) limit [nautical miles]
- Waypoint Arrival Sequencing [Manual, Auto, Silent]
- Correction [CTS, XTE, or Both]
- XTE Sense [Norm, Rev]
- Maximum Correction [30° – 90°]

ALARM CLEAR

Press  to clear an alarm.

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WORK mode

(Aw or Nw is shown in upper left of display)


Caution! WORK mode should only be used by experienced operators who fully understand the operation of this mode.

WORK mode is engaged automatically at a set speed (see Work Trip Point in the Operation Manual), if the mode is activated by the vessel's operator.


WORK mode can also be engaged manually (see Manual).

Note: WORK mode is not available if Vessel Type in the DOCKSIDE menu is set to SAIL.

To activate WORK mode:

1. Switch to **AUTO** mode or **NAV** mode.
2. Press  for 3 seconds.

To de-activate WORK mode:

1. Press  for 3 seconds.


AUTO or NAV WIND modes

(Aw or Nw is shown in upper left of display)


Be sure to read the relevant sections of the Operation Manual prior to using a WIND mode.


Note: WIND modes are available only when Vessel Type in the DOCKSIDE menu is set to SAIL (a compatible wind speed transducer must also be connected to the autopilot).


To enter AUTO or NAV WIND mode:

1. Bring the vessel around so that the wind angle on the bow is between about 45° and 165° (Port or Starboard)
2. Switch to **AUTO** or **NAV** mode
3. Press  for 3 seconds


While in a WIND mode:

Use  to change angle to wind. Range is limited to between CLOSE HAUL and GYBE HOLD POINT settings.

Use  and  or  to TACK or GYBE.

Press  to switch to the alternative **AUTO WIND** mode (press it again to switch back to regular **AUTO WIND** mode).




To exit AUTO or NAV WIND mode:



1. Press  for 3 seconds.


DOCKSIDE menu


◆ Refer to Installation Manual when using this menu ◆

To enter the DOCKSIDE menu:

1. Begin with Power OFF.
2. Press  while holding both  and .
3. Release all buttons once the VERSION numbers are displayed.

Use  or  to select & highlight a parameter.

Use  to change value of selected parameter.

Press  to begin automated Setup Scripts:

- Reset [do not use unless advised by ComNav]
- Vessel Type [sets initial steering parameters]
- Analog Compass Type [choose appropriate one]
- Compass Setup [sets up Compass]
- Drive Setup [sets up rudder limits, etc.]
- Exit
- Alarm Output [sets External Alarm type]
- Thruster Type [choose appropriate one]
- Thruster Minimum [% of max. supply voltage]
- Thruster Maximum [% of max. supply voltage] (Thruster operation requires a CT7 Interface)
- Language [choose appropriate one]

To exit the DOCKSIDE menu:

Highlight **Exit** and press  (go to **STANDBY** mode)

or else press  until **RELEASE** appears in display.

(all settings are automatically saved on exiting)

This sheet contains summary information on how to set up and operate the Commander P2 autopilot.

This information should not be considered as a complete guide to setting up and operating the autopilot.

Be sure to read and understand the important safety and operational information presented in the *Commander P2 Installation & Operation Manual* before using the autopilot.

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