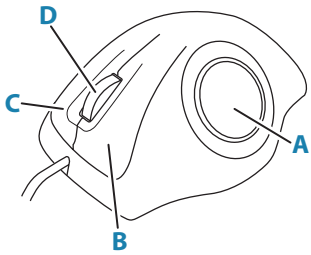




O5000 trackball mouse



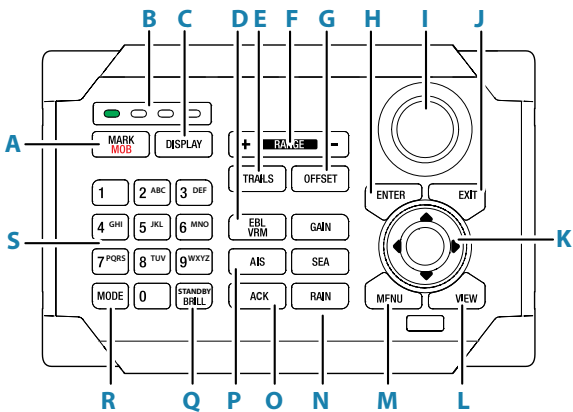
Use the trackball (A) to position the cursor over functional areas of the radar screen.

Once the cursor is positioned, use the left (B) and right (C) buttons and scroll wheel (D) to select buttons, menu options and pop-up options.

→ **Note:** The cursor must be over an open menu or pop-up to use the scroll function.

Cursor over...	Left key	Right key	Scroll wheel
Menu	Select	Return to previous menu level	Rotate to scroll menu options / Press to select
Quick access buttons	Select	Display selected button's pop-up	Rotate to scroll pop-up options
Direct action buttons			
AIS target	Activate/deactivate	Display target menu	No action
Radar target	Acquire target		

O2000 remote controller

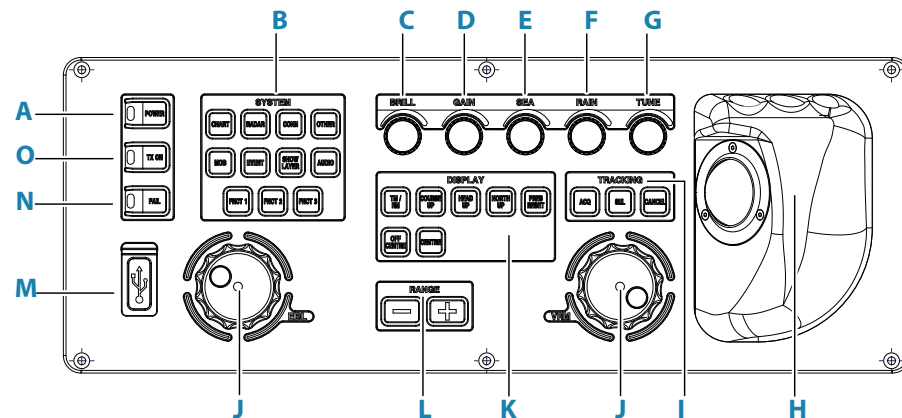


A	MARK/MOB key*
B	Unit under command LEDs*
C	DISPLAY key*
D	EBL/VRM key
E	TRAILS key
F	RANGE key
G	OFFSET key
H	ENTER key
I	Rotary knob
J	EXIT key

K	Arrow keys
L	VIEW key
M	MENU key
N	GAIN, SEA and RAIN keys
O	Acknowledge (ACK) key
P	AIS key
Q	STANDBY/BRILL key
R	MODE key*
S	Alphanumeric keypad

→ **Note:** The R5000 radar system does not support those keys labelled with an asterisk (*).

Expanded keyboard

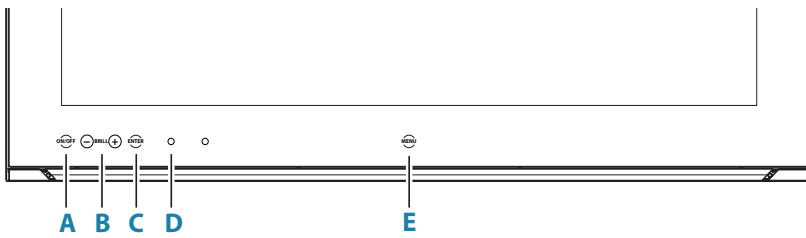


A	POWER (on/standby) key
B	SYSTEM keys
C	Brilliance (BRILL) control knob
D	GAIN control knob
E	SEA anti-clutter control knob
F	RAIN anti-clutter control knob
G	TUNE control knob (SRT-LAN only)
H	Trackball mouse
I	TRACKING keys (ACQ/SEL/CANCEL)
J	EBL/VRM control knobs
K	DISPLAY keys
L	RANGE scale keys
M	USB port
N	FAIL alarm indicator
O	TX ON (transmit/standby) key

Use the integrated mouse (H) with trackball and indented buttons to select buttons, menu options and pop-up options as you would the O5000 trackball mouse.

→ **Note:** The R5000 radar system does not support the **CHART, RADAR, CONN, OTHER** and **MOB** system keys.

M5000 monitor



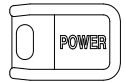
A	ON/OFF key
B	Brilliance (BRILL) adjustment keys
C	ENTER key
D	Red LED
E	MENU key

Turning the system ON and OFF

When the main power supply to the system is switched ON, the entire system automatically turns on with the radar in standby mode.

To put the M5000 monitor and R5000 processor in to standby mode:

- Press and hold the **STANDBY/BRILL** key on the O2000 controller, **or**
- Press and hold the **POWER** key on the expanded keyboard.



To turn the M5000 monitor and R5000 processor back to normal operation:

- Press and hold the **STANDBY/BRILL** key on the O2000 controller, **or**
- Press the **POWER** key on the expanded keyboard.

To turn the entire system OFF, turn the main power supply switch to OFF.

Switching the radar between standby and transmit

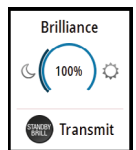
To switch the radar between standby and transmit modes:

- Press the **STANDBY/BRILL** key on the O2000 controller to display the **Brilliance** pop up, then repeat press the **STANDBY/BRILL** key, **or**
- Press the **TX ON** key on the expanded keyboard.

Adjusting the brilliance

To adjust the brilliance:

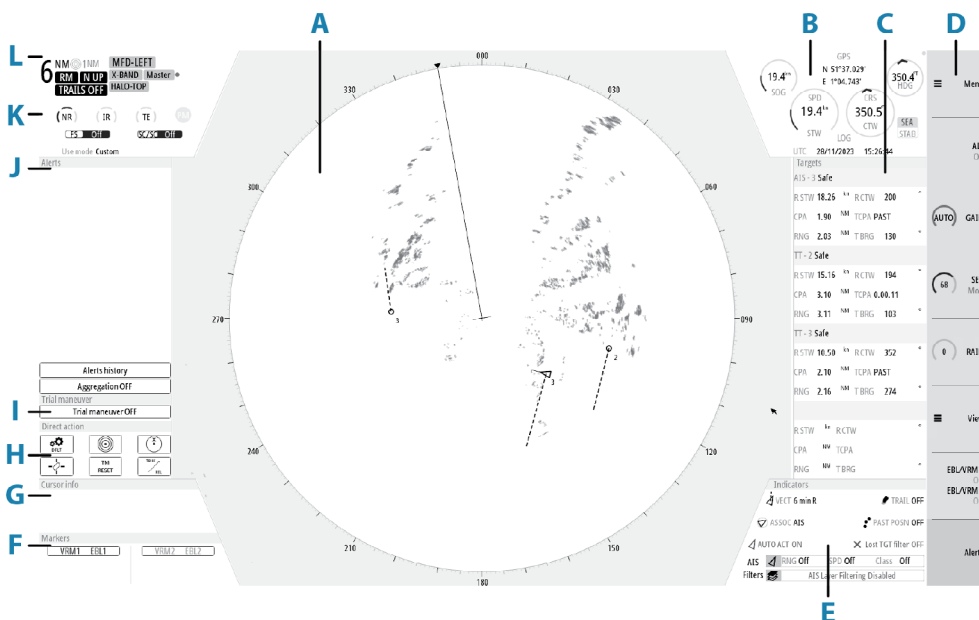
- Press the **STANDBY/BRILL** key on the O2000 controller to display the **Brilliance** pop up, then turn the rotary knob, **or**
- Turn the **BRILL** control knob on the expanded keyboard, **or**
- Press the **BRILL** adjustment buttons on the M5000 monitor.



To switch between day and night palettes:

- Press the **STANDBY/BRILL** key on the O2000 controller to display the **Brilliance** pop up, then press the left (40%) or right (100%) arrow keys, **or**
- Press the **BRILL** control knob on the expanded keyboard.

Main panel



A	Plan position indicator (PPI)
B	Own ship information
C	Targets panel
D	Quick access buttons
E	Indicators panel
F	Markers panel
G	Cursor information
H	Direct action buttons
I	Trial maneuver button
J	Alerts panel
K	Signal indicator
L	System information

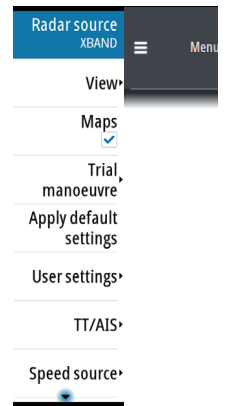
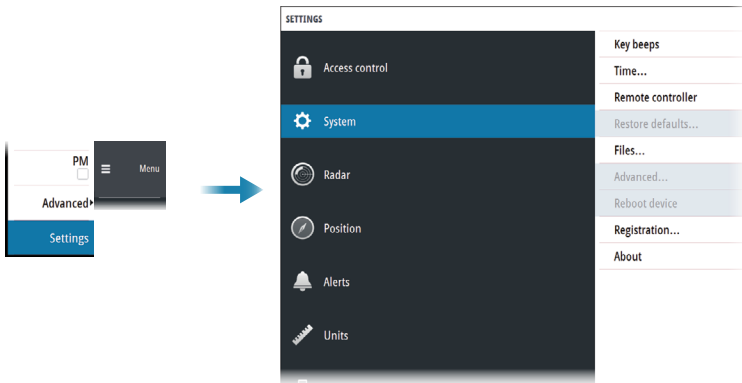
Main menu and submenus

To access the main menu, press the **MENU** key on the O2000 controller, or use the mouse to select the **MENU** quick access button.

To move up and down a menu, press the up and down arrow keys, turn the rotary knob, or scroll with the mouse.

To access a sub menu, toggle options or confirm a selection, press the **ENTER** key, the right arrow key or the rotary knob.

To return to previous menu level and exit the menu system, press the **EXIT** key or the left arrow key.



Quick access buttons

To activate a quick access button, press the dedicated key on the O2000 controller, or use the mouse to select the button.

To display the pop-up:

- Double-press the dedicated key on the O2000 controller, **or**
- Press either mouse key when the cursor is over a selected quick access button.

To remove the pop-up and revert to the button's main function:

- Press the **EXIT** key on the O2000 controller, **or**
- Press the left mouse key when the cursor is outside the pop-up, **or**
- Press the right mouse key when the cursor is over the pop-up.



Using the cursor

To activate the cursor:

- Press one of the arrow keys, **or**
- Use the mouse to position the pointer inside the PPI area.

To deactivate the cursor:

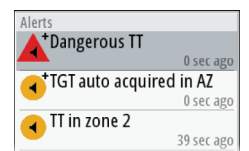
- Press the **EXIT** key, **or**
- Use the mouse to position the pointer outside the PPI area.

→ **Note:** The cursor cannot be activated, deactivated or moved when a menu or settings dialog is open.

Acknowledging alerts

To acknowledge the most recent alert:

- Press the **ACK** key on the O2000 controller, **or**
- Use the mouse to select the **Alerts** quick access button, **or**
- Use the mouse to select the alert line in the **Alerts** panel.



Adjusting the radar image

Gain

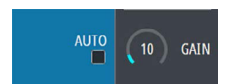
Gain controls the sensitivity. The more you increase the gain, the more details are shown on the image.

To turn ON/OFF the automatic gain option:

- Press the **GAIN** key twice on the O2000 controller to display the sub menu, then press **ENTER**, **or**
- Press the **GAIN** control knob on the expanded keyboard.

To manually adjust the gain (when automatic gain is OFF):

- Press the **GAIN** key on the O2000 controller, then turn the rotary knob, **or**
- Turn the **GAIN** control knob on the expanded keyboard.



Sea anti-clutter

Sea anti-clutter filters the effect of random echo returns from waves or rough water near the vessel.

To adjust the automatic sea anti-clutter:

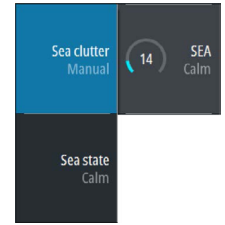
- Press the **SEA** key on the O2000 controller, then turn the rotary knob left (down to A-50) or right (up to A+50), **or**
- Press the **SEA** control knob on the expanded keyboard, then turn the **SEA** control knob left (down to A-50) or right (up to A+50).

To turn ON/OFF the automatic sea anti-clutter option:

- Press the **SEA** key twice on the O2000 controller to display the sub menu, then press **ENTER**, **or**
- Press the **SEA** control knob on the expanded keyboard.

To manually adjust sea anti-clutter (when automatic sea anti-clutter is OFF):

- Press the **SEA** key on the O2000 controller, then turn the rotary knob, **or**
- Turn the **SEA** control knob on the expanded keyboard.



Rain anti-clutter

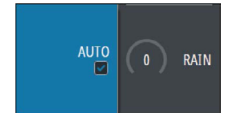
Rain anti-clutter reduces the effect of rain, snow or other weather conditions on the radar image.

To turn ON/OFF the automatic rain anti-clutter option:

- Press the **RAIN** key twice on the O2000 controller to display the sub menu, then press **ENTER**, **or**
- Press the **RAIN** control knob on the expanded keyboard.

To manually adjust rain anti-clutter (when automatic rain anti-clutter is OFF):

- Press the **RAIN** key on the O2000 controller, then turn the rotary knob, **or**
- Turn the **RAIN** control knob on the expanded keyboard.



Tune (SRT-LAN only)

Tune the radar sensor to show maximum target returns on the screen.

→ **Note:** The O2000 controller has no dedicated tune key.

To turn ON/OFF the automatic tune option:

- Press the left mouse button twice, **or**
- Press the right mouse button to display the sub menu, then press **ENTER**, **or**
- Press the **TUNE** control knob on the expanded keyboard.

To manually tune the radar sensor:

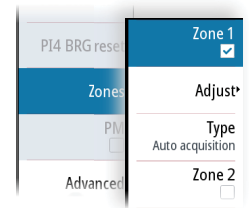
- Use the mouse to select the **TUNE** quick access button, then use the scroll wheel or turn the rotary knob, **or**
- Turn the **TUNE** control knob on the expanded keyboard.

Targets

Automatically acquire radar targets and activate AIS targets

The tracking zone function allows for the automatic acquisition of radar and AIS targets when they enter a user-defined zone ahead of, or around, your vessel.

Two tracking zones can be defined, each with individual settings.



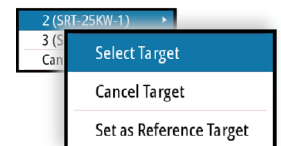
Manually acquire radar targets and activate AIS targets

When the cursor is active, you can immediately acquire a radar target at the cursor position by:

- Pressing the **ENTER** key on the O2000 controller, **or**
- Pressing the left mouse button, **or**
- Pressing the **ACQ** key on the expanded keyboard.

You can also acquire a target from the target menu. To display the menu:

- Press and hold the **ENTER** key on the O2000 controller, **or**
- Press the right mouse button.



Cancelling a target

To deselect a target and remove the detailed target information:

- Select **Cancel Target** from the target menu, **or**
- Press the **CANCEL** key on the expanded keyboard.