FURUNO

MARINE RADAR

Operator's Guide

MODEL 1835/1935/1945

The purpose of this guide is to provide the basic operation for this equipment. For more detailed information, see the Operator's manual.

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The numbers in circles (① to ⑤) show the sequence to operate the controls to start the radar.

How to off-center the display

Manual mode

Move the cursor to the position required.

Off-center on.

Off-center off.

How to adjust the gain, reduce sea/rain clutter

④

GAIN

Rotate.

Gain/Sea/Rain		
GAIN MAN (0~100)	0	
SEA MAN (0~100)	0	
RAIN MAN (0~100)	0	
[CANCEL/HL OFF]: Close		

GAIN : Adjust the sensitivity of the radar screen.

A/C SEA : Reduce the sea clutter.

A/C RAIN : Reduce the rain clutter.
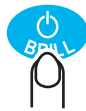
How to activate a function key

F1

Press.

To activate a function, press **F1**, **F2** or **F3**. Press same key to change the setting.

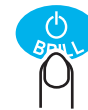- Hide the heading line and all marks while pressing.

- Cancel last entry in menu operation.

CANCEL HL OFF

- Select the menu items and options.

- Move the cursor with the arrow or diagonal dot.

ENTER — Save selected menu option.

How to select the radar range

⑤

+: Increase the range.

−: Decrease the range.

RANGE

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③

STBY TX

Transmit the radar pulses and put the radar in stand-by alternately.

How to turn on/off the power

①

BRILL

ON: Short press
OFF: Long press

How to adjust the brilliance

②

BRILL

Short press

Brill/Panel		
◀ Min Max ▶		
Brill (1~16) 16		
Panel (1~ 8) 8		
[ENTER/↑/↓]: Select		
[CANCEL/HL OFF]: Close		
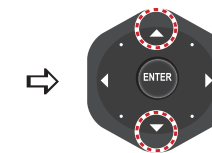
Select [Brill] or [Panel].

Adjust the setting.

How to select a display mode

MENU ⇒

Menu
Brill/Color
Display
Echo
Custom 1
Custom 2
Custom 3
Alarm
Target Trails
Tuning
Others
Target

Menus

⇒ ENTER (CursorPad) ⇒ Select [Display], and press ENTER.

Display
Display Mode   : Head Up
Zoom   : Off
Zoom Mode   : Relative
Offcenter Mode
Save Offcenter
Echo Area   : Normal
Base Text Display
Data Box   : Off
Gain/Sea/Rain Bar

[ENTER]: Enter [CANCEL/HL OFF]: Back
[MENU]: Exit

Menu items

⇒ ENTER (CursorPad) ⇒ Select [Display Mode], and press ENTER.

Head Up
Course Up
North Up
True Motion
True View

Options

⇒ ENTER (CursorPad) ⇒ Select a display mode, and press ENTER.

⇒ MENU — Close the Menu.

How to measure the bearing to a target

EBL ⇒ Activate the EBL.

ENTER (CursorPad) ⇒ Use the CursorPad to put the EBL on the center of the target.

Target
Cursor (+)
EBL 1
EBL 2

The active EBL is in a rectangle. Read the bearing.

EBL 1 bearing — EBL 270.0° R
EBL 2 bearing — 45.0° R
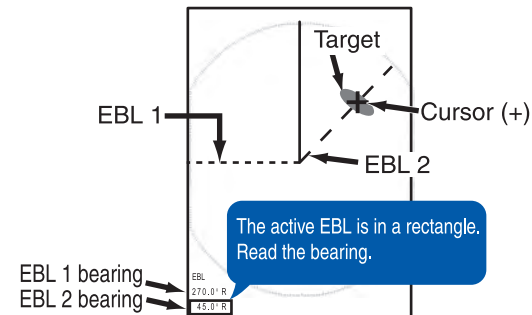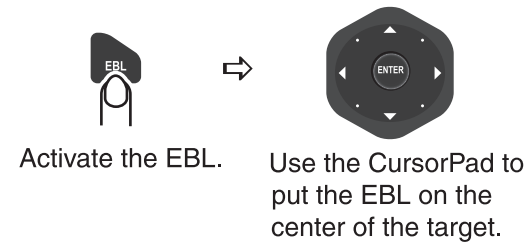
How to measure the range to a target

VRM ⇒ Activate the VRM.

ENTER (CursorPad) ⇒ Use the CursorPad to put the VRM on the inner edge of the target.

VRM 1
VRM 2
Target
Cursor (+)

The active VRM is in a rectangle. Read the range.

VRM 1 range — VRM 5.044NM
VRM 2 range — 2.082NM
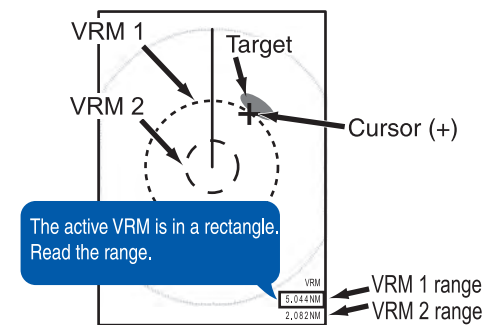
How to plot the radar echo movement

Start trails
TRAILS
Press several times to set the trail time.

Stop trails
TRAILS
Press several times until the trail indications disappear.

Trail indications are shown at the upper-right corner of the display.

TRAIL (T)
15 S
Trail time

How to set the target alarm

TARGET ALARM ⇒ ENTER (CursorPad) — Move the cursor to position A, and press ENTER.

⇒ ENTER (CursorPad) — Move the cursor to position B, and press ENTER.

Position A
Position B
OR
Position B
Position A

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