FURUNO

10"/12" FLEX FUNCTION DISPLAY
Model SFD-1010/1012 Operator's Guide

This guide provides the basic operating procedures for this equipment. For detailed information, see the Operator's Manual which can be downloaded from the Quick Response Code on the right side.
The brand and product names mentioned in this guide are trademarks, registered trademarks or service marks of their respective holders.

The screenshots shown in this Operator's Guide are taken in the landscape format. The display layout is different in the portrait format.
Key operation is available in the portrait format.

Touch screen and key operation

Tap



- Select menu item.
- Move the cursor to tapped location.
- Tap the button shown on the screen and set.

Drag/Swipe



- Move the cursor.
- Scroll the menu.
- Select a range.
- Adjust the setting with the slider bar.

Key Operation



Open/Close menu.



Move cursor.



Confirm menu item.

Setup operations (When turned on for the first time.)

① Language selection menu appears.





- Tap English.
- Tap OK.

② Display selection menu appears.



- Tap LANDSCAPE or PORTRAIT.

③ Sensor selection menu appears.



- Tap the sensor to use (RADAR SENSOR / FISH FINDER SENSOR / MULTI BEAM SONAR).

When Radar Sensor is selected

Menu Operation

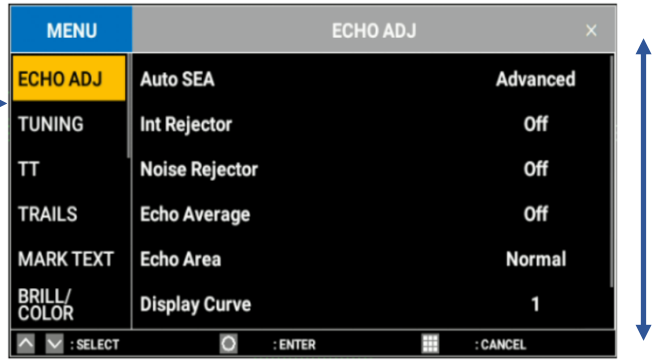
Tap ▸ icon (shown on the top-left of the screen) to show the InstantAccess bar™.

InstantAccess bar™

The contents of the BRILLIANCE menu are common to Radar sensor, Fish Finder sensor and Multi Beam Sonar. (The order of menu items changes according to the selected sensor.)



Short press

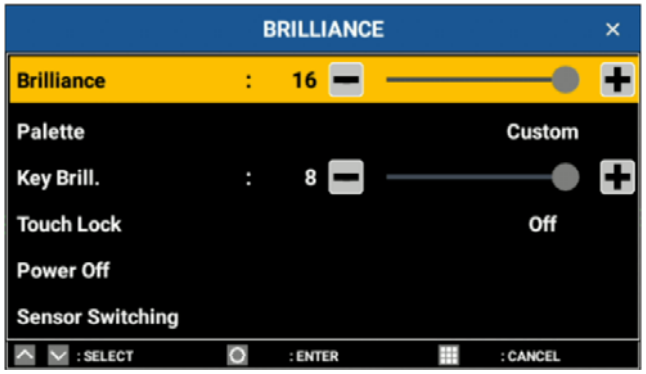


Setting menu appears.
Close the menu by pressing again.

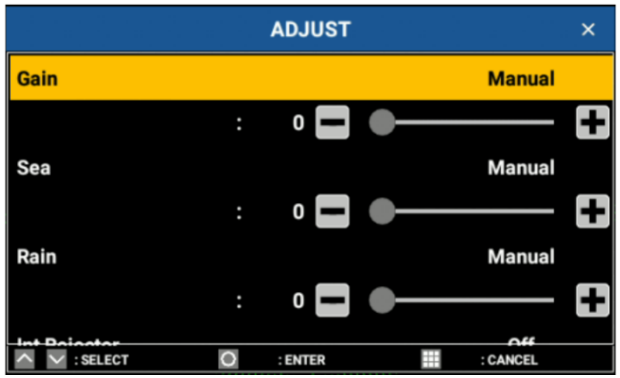
Drag the menu window up or down to scroll and tap the menu to set. (Or use the arrow keys to select the menu and press ○ key to set.)

Short press

Short press BRILLIANCE menu appears.



Menu Item	Details
Brilliance	Adjust the display brilliance.
Palette	Change the background color.
Key Brill.	Adjust the key brilliance.
Touch Lock	Lock the touch operation.
Power Off	Turn off the unit.
Sensor Switching	Move to sensor selection mode (③ on page 1).



ADJUST (Echo Adjust) menu appears.

Menu Item	Details
Gain	Adjust the radar gain.
Sea	Suppress the echo reflected from sea.
Rain	Suppress the echo reflected from rain or snow.
Int. Rejector	Reject interference.
Noise Rejector	Reduce the echo noise.

Turning Off the power

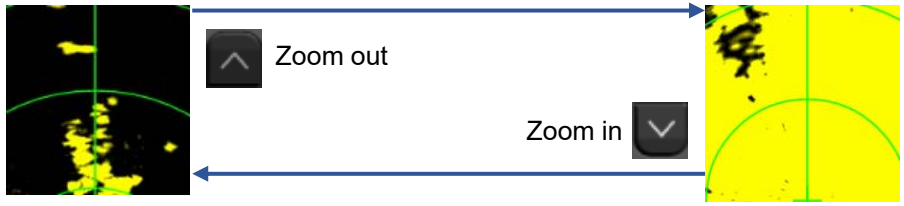
Long press

Power off pop-up appears after pressing the power key for over three seconds.



Keep pressing the power key for more three seconds after the pop-up window appears to turn off the power.

Change the Range



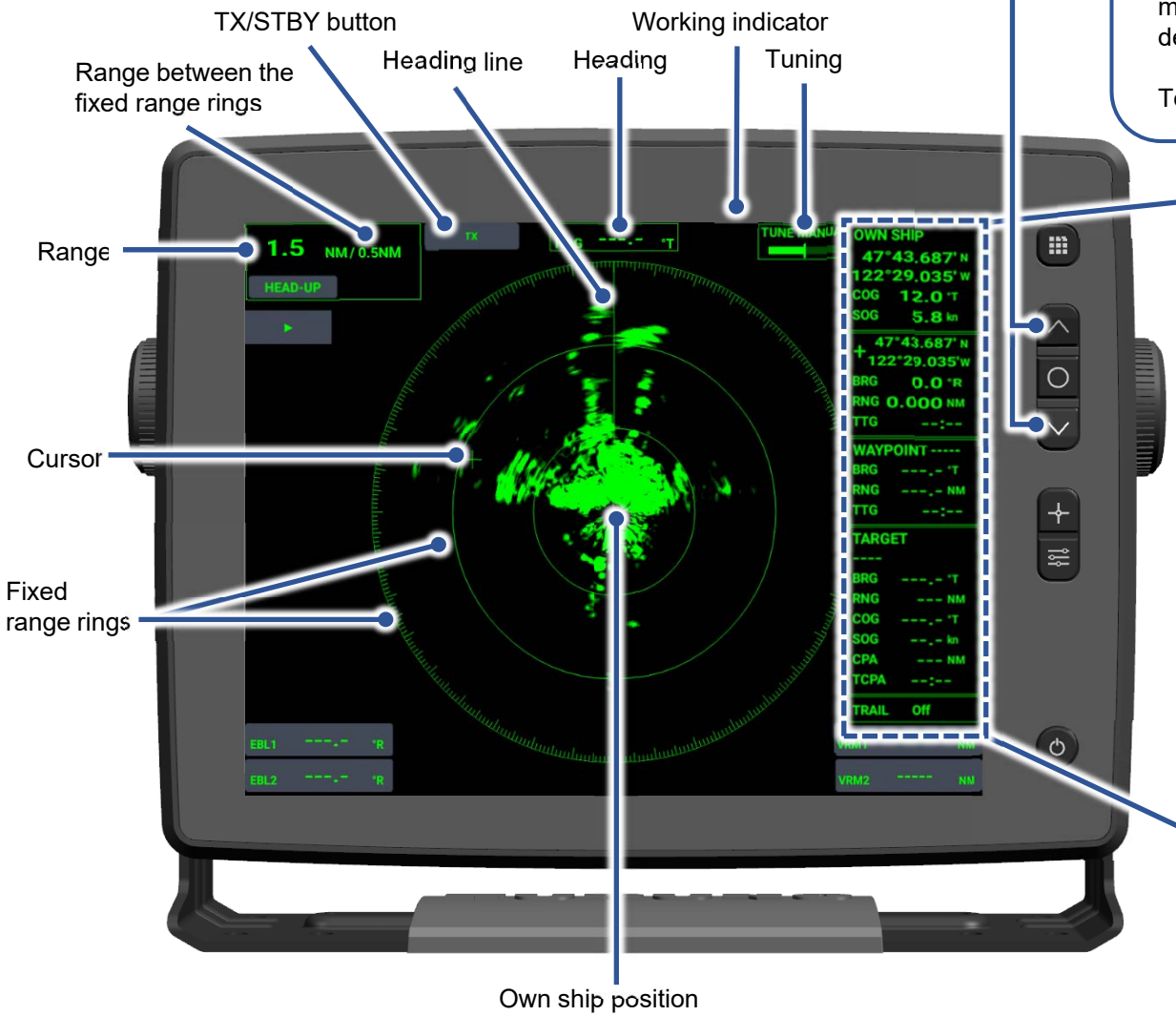
TLL Output and point

Functions will differ according to the menu settings.

TLL Output	Output the current latitude and longitude position of the selected target to external equipment.
Fixed Mark	Record and display the current cursor longitude and latitude.

A maximum of 20 fixed marks can be displayed. When the maximum amount is exceeded, the oldest mark is automatically deleted.

To delete a fixed mark just after entering it, press the [ ] key.



Function Box

OWN SHIP information
- Own ship L/L position, course, speed.

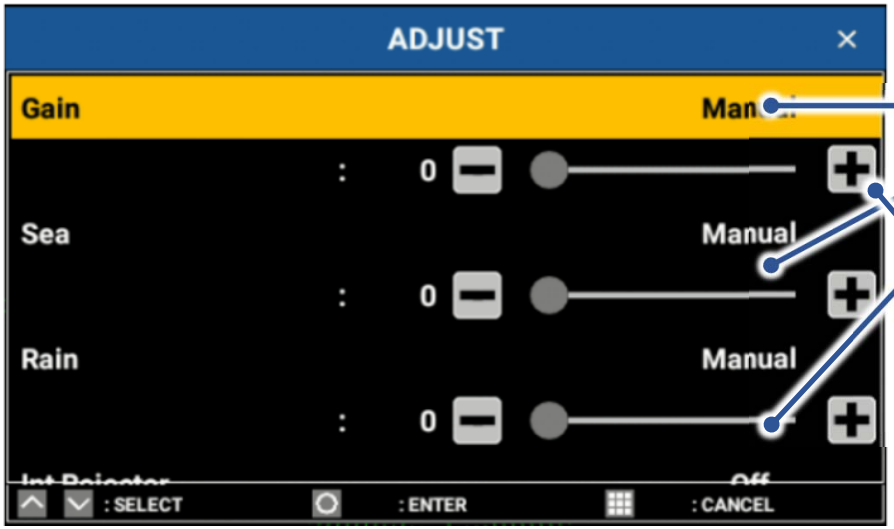
+
- L/L position of cursor
- Bearing, range, and time-to-go (TTG) to the cursor.

WAYPOINT
- Bearing to the waypoint.
- Range and time-to-go (TTG) to the waypoint.

TARGET
- Bearing, speed, course to the selected target.
- Range to the selected target.
- CPA (Closest Point of Approach) to the selected target.
- TCPA (Time to the Closest Point of Approach)

TRAIL
- Setting of trail (On/Off)
- Trail can be set from the InstantAccess bar™.

Adjustment of Gain, Sea and Rain



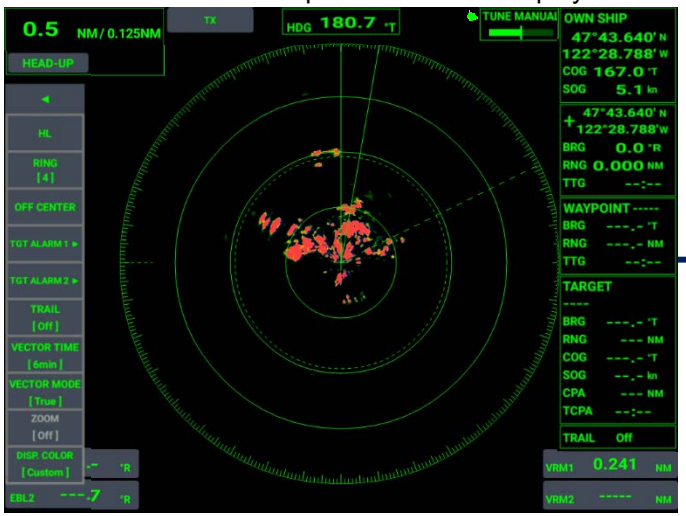
When [Manual] is selected: Use the slider bar below selected item for adjustment.
When [Auto] is selected: Adjustment is not available; the slider bar is grayed out.

The slider bar can be moved with the following two methods, in addition to tapping it.

- Tap the [-]/[+] button on both sides of the slider bar.
- Press the [ ] key or [ ] key.

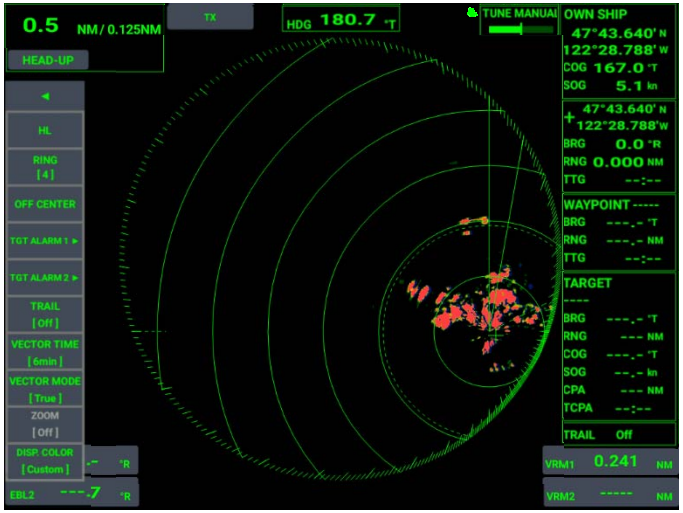
Off-center

Move the cursor to the expected center of display.





Tap [OFF CENTER] of InstantAccess bar™.



When Fish Finder Sensor is selected

Gain Settings
G: 0.0～10（Manual Mode）
G: AF（Auto Mode: Fishing）
G: AC（Auto Mode: Cruising）

Range
AUTO: (Auto Mode)
MANUAL: (Manual Mode)

Picture Advance Speed

Mode

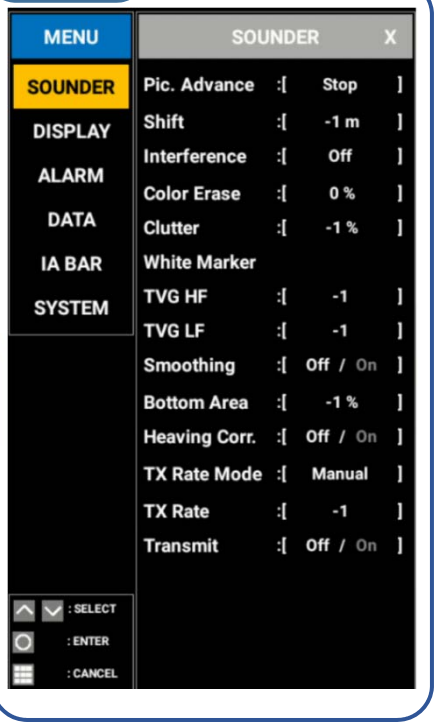
Output Power

Interference Rejection

Alarm Icon

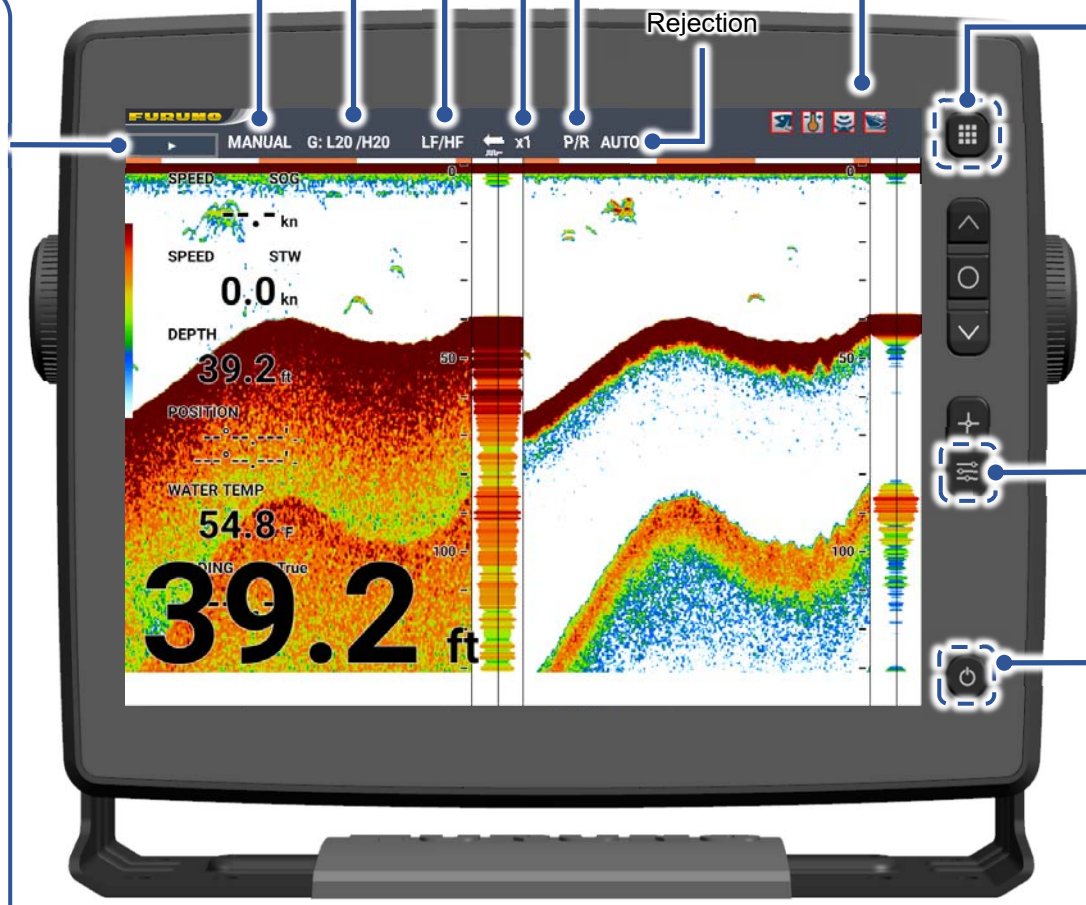
: Fish Alarm
: Depth Alarm
: Temperature Alarm
: Speed Alarm

Menu



InstantAccess bar™





Popup

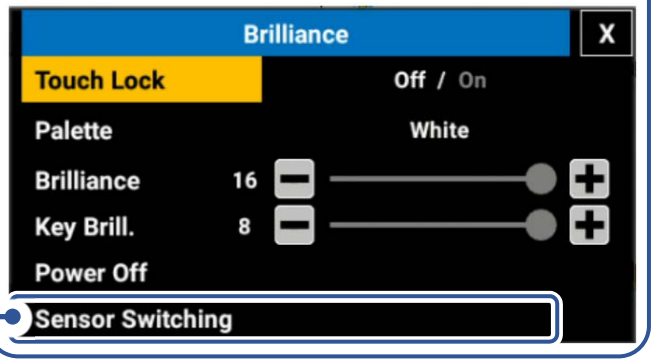


See the next page.

The contents of the Brilliance menu are common to Radar sensor, Fish Finder sensor and Multi-Beam Sonar.（The order of menu items changes according to the selected sensor.）

Brilliance Menu

Short Press



Move to sensor selection mode (③ on page 1).

How to display fish size

[Menu] ➔[DISPLAY] ➔ [ACCU-FISH] ➔[ACCU-FISH] ➔ [On]

Fish Symbol (Selectable from four types)
※ The symbol size changes with fish size.

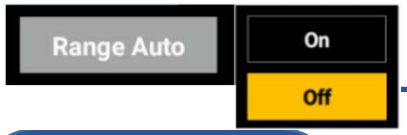


Fish Size/Depth
(Selectable with [Fish Info].)
※ Size of number can be changed with [Info Size].

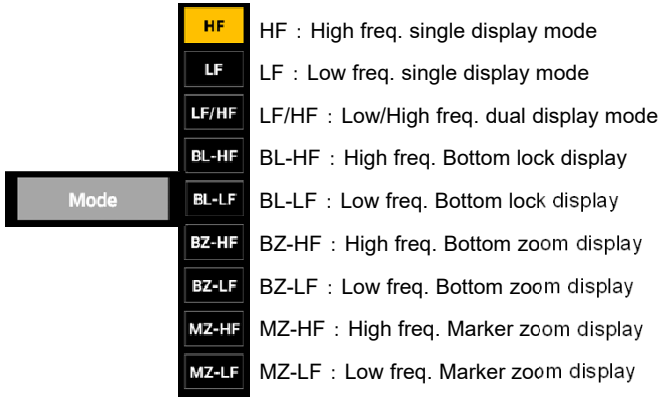
	Striped	Solid	Circle	Square
Large fish size (more than 50 cm, or more than 20 inches)				
Small fish size (10 to 49 cm, or 4 to 19 inches)				

Pop up menu

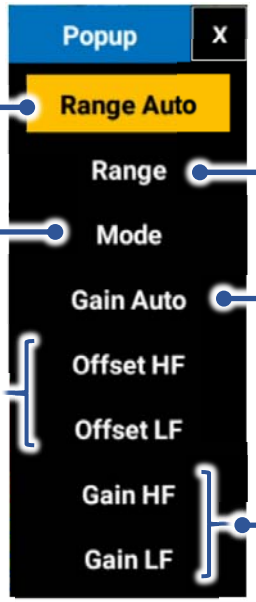
Change range mode



Change display mode



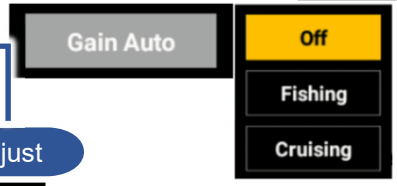
HF : High freq. single display mode
LF : Low freq. single display mode
LF/HF : Low/High freq. dual display mode
BL-HF : High freq. Bottom lock display
BL-LF : Low freq. Bottom lock display
BZ-HF : High freq. Bottom zoom display
BZ-LF : Low freq. Bottom zoom display
MZ-HF : High freq. Marker zoom display
MZ-LF : Low freq. Marker zoom display



Change display range



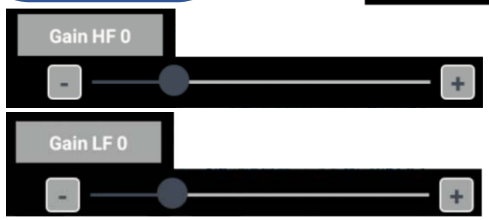
Auto Gain Offset



Gain Offset



Gain Adjust



Bottom Discrimination

[Menu] ➔[DISPLAY] ➔ [Bottom Disc.] ➔
[Type View] ➔ [Graphic] or [Probability]

Graphic



Bottom discriminator display column

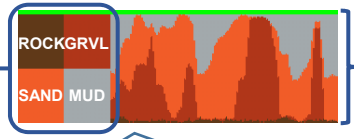
Rock Gravel Sand Mud

Legend

Example of [Bottom Disc.] menu setting
・Bottom Disc: Graphic
・ Legend: On

Displays the most probable bottom sediment.

Probability



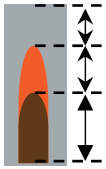
Bottom discriminator display column

Rock Gravel Sand Mud

Example of [Bottom Disc.] menu setting
・Bottom Disc: Probability
・ Legend: On

Displays bottom data in graph form.

Graph Explanation

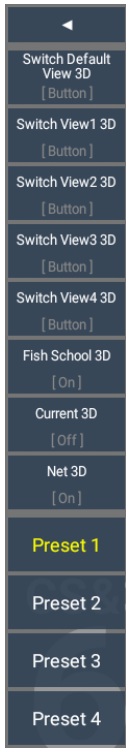


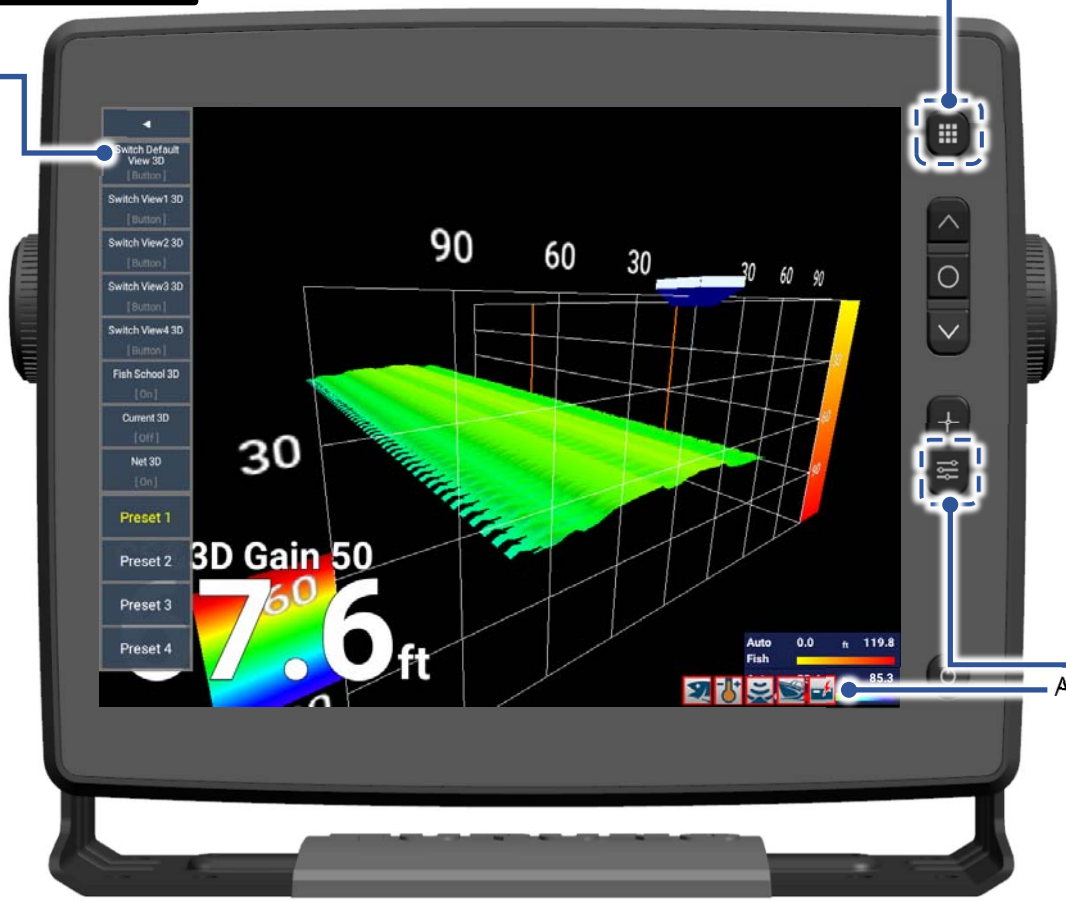
Mud probability (Approx. 25%)
Sand probability (Approx. 25%)
Rock probability (Approx. 50%)

When DFF-3D is selected

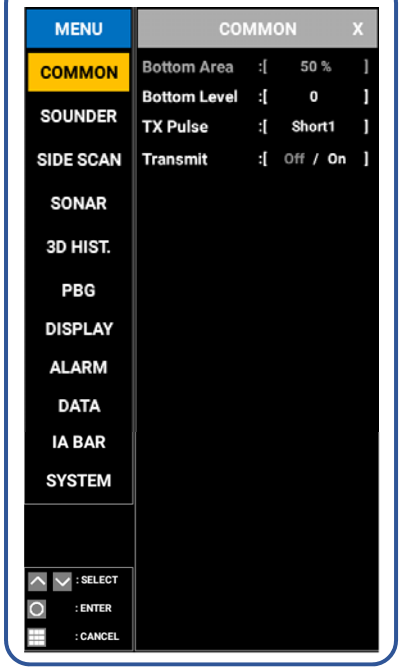
3D History Mode

InstantAccess bar™





Menu



Popup



Alarm Icons appear here.

Pinch Operation

Zoom in and out with pinch operation are available in the 3D History, Cross Section and PBG modes.



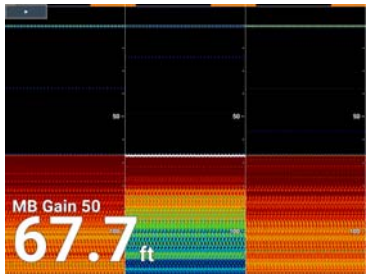
Zoom In



Zoom Out

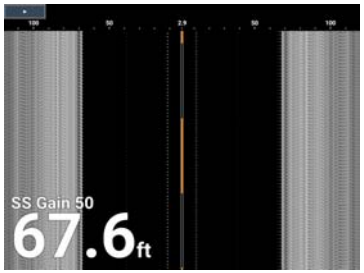
In addition to the 3D History display shown above, the modes described below are available.
You can select these modes from the Popup menu.

Single/Triple Beam Fish Finder Mode



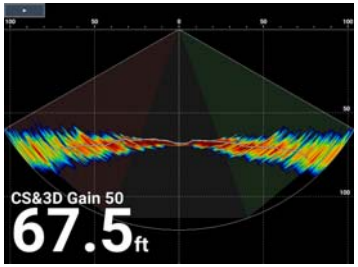
In the triple beam fish finder mode, the beams in three directions (port, downward, and starboard) are displayed simultaneously.

Side Scan Mode



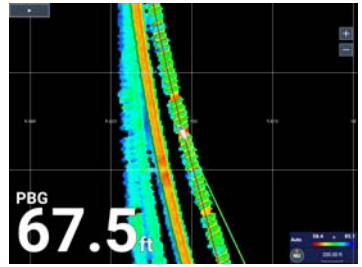
A wide-angle beam displays a wide section of terrain.

Cross Section Mode



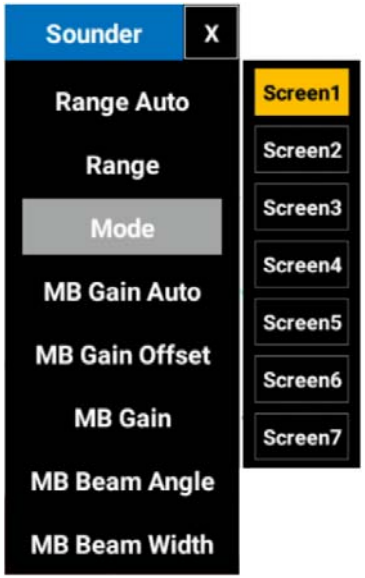
Displays an underwater cross-section al image from port to starboard.

PBG Mode

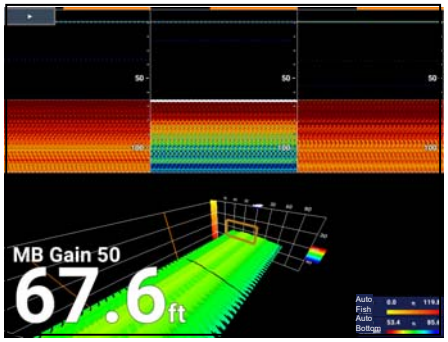


A seabed map is created from the depth data detected by the multi-beam sonar and displayed in different colors.

Screen 1～7 （Popup menu, Factory default）

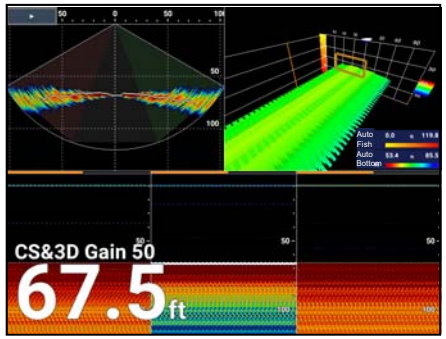


Screen 5



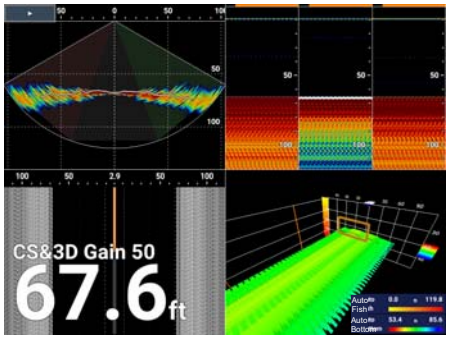
Dual Screen Mode

Screen 6



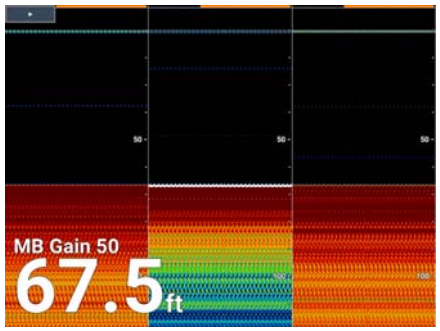
Triple Screen Mode

Screen 7



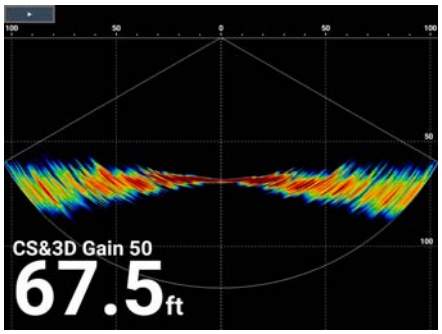
Quad Screen Mode

Screen1



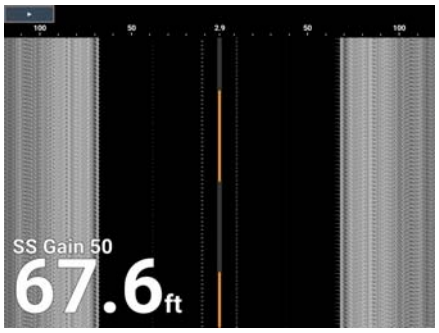
Single/Triple Beam Fish Finder Mode

Screen 3



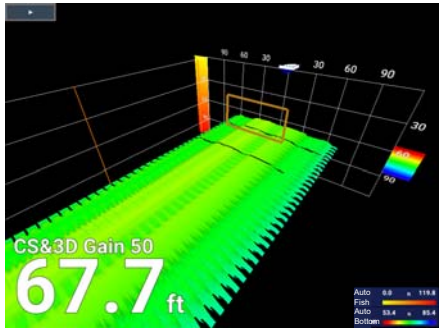
Cross Section Mode

Screen 2

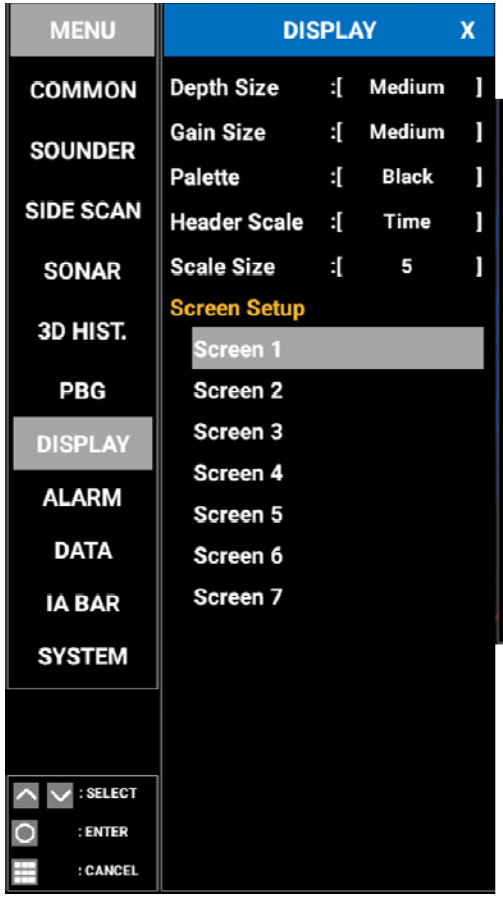


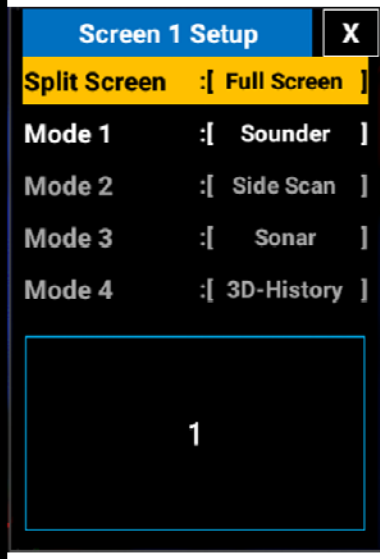
Side Scan Mode

Screen 4



3D History Mode





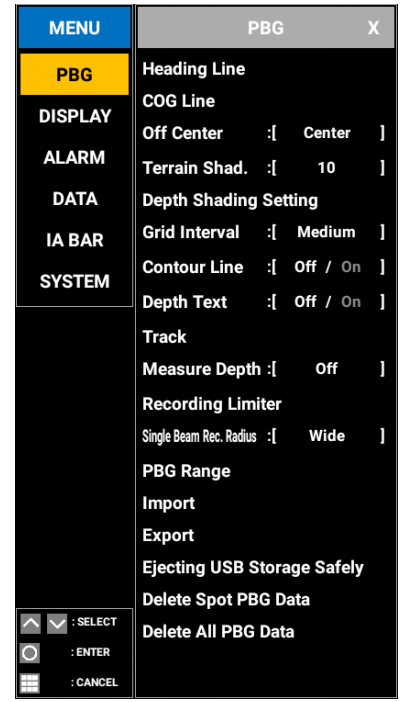
The contents of Screen 1 to 7 are customizable on the Screen Setup menu.

When PBG（Single Beam PBG） is selected

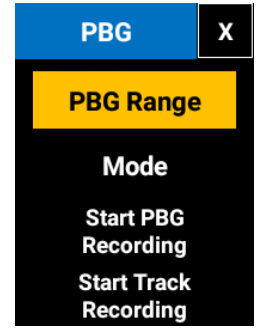
※ This feature is available from version 1950228-3.X.X.



Menu



Popup



Item	Explanation
PBG Range	Changes the display range of PBG.
Mode	Unavailable for the Single Beam PBG.
Start PBG Recording	Starts/Ends the PBG recording.
Start Track Recording	Starts/Ends the Track recording.

Single Beam PBG Connectable fish finders

	Model	Connection method
FCV series	FCV-38, FCV-2100, FCV-1900/B/G, FCV-295/1150, FCV-585/620, FCV-588/628, FCV-688	NMEA0183
	FCV-600/800	NMEA0183/2000
GPS/WAAS Color Chart Plotter with Fish Finder	GP-3700F, GP-1871F/1971F	NMEA0183/2000
Network Fish Finder	BBDS1, DFF1-UHD, DFF3, DFF3-UHD	Ethernet
NavNet series	TZtouchXL, TZtouch3, TZT2BB	Ethernet

FURUNO ELECTRIC CO., LTD.
9-52 Ashihara-cho, Nishinomiya, 662-8580, Japan
Tel: +81 (0)798 65-2111 Fax: +81 (0)798 63-1020
www.furuno.com

Publication No. SOCQA0018

PSTI Statement of Compliance

We FURUNO ELECTRIC CO., LTD.
(Name of manufacturer of the product)

9-52 Ashihara-Cho, Nishinomiya City, 662-8580, Hyogo, Japan
(Address of manufacturer of the product)

declare under our sole responsibility that the product

SINGLE FUNCTION DISPLAY,
SFD-1010, SFD-1012
(Product type, batch)

August / 31 / 2029
(Support period for the product)

https://www.furuno.co.jp/en/csr/sociality/customer/product_security.html
(Weblink for latest information and contact to report to the manufacturer security issues)

to which this declaration relates conforms to the following standard(s) or other normative document(s)

Product Security and Telecommunications Infrastructure Act 2022
Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023 Schedule 1

On behalf of Furuno Electric Co., Ltd.

Nishinomiya City, Japan
24 April 2024
(Place and date of issue)

Akihiko Kanechika
Department General Manager
Quality Assurance Department
(Signature, name and function of the signatory)

Pub. No. OSE-45170-C
(2507, TASU) SFD-1010/1012
Printed in Japan
00010028920