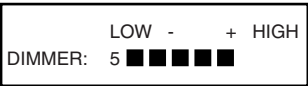
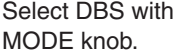
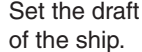


The purpose of this guide is to provide the basic operating procedures. For detailed information, see the Operator's Manual.

Panel Dimmer

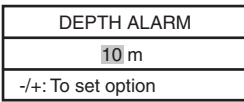
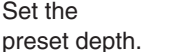
1. **DIM**  
2. **-** **+**  

Depth Below Surface

1. **DBS**  
2. **DRAFT**  
3. **-** **+**  

Shallow Depth Alarm

To set preset depth for shallow depth alarm:

1. **MUTE ALARM**  
2. **-** **+**  

To acknowledge the alarm:



Shallow depth alarm setting

From above:
Transducer in use,
Range setting,
Gain setting,
Mode setting

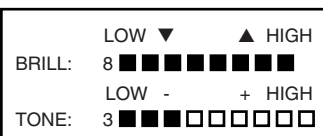
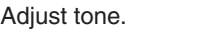
Range scale

Depth

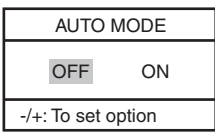
Depth measurement
method (Below transducer,
Below surface, or Below keel)

Depth unit

Tone and Brilliance

1. **BRILL**  
2. **-** **+**  
3. **AUTO** **COLOR**  

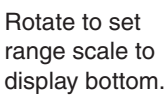
Automatic Operation

1. **AUTO**  
2. **+**  
-  

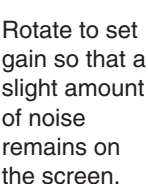
The automatic function automatically selects the proper gain, range scale and clutter level according to depth.

MODE: See page 2.

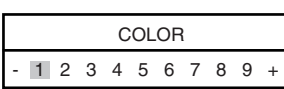
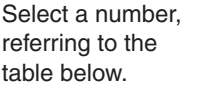
Range Scale

1.  
- The default range scale: 5, 10, 20, 40, 100, 200, 400, 800 m. These values can be changed in menu. In AUTO mode, the range scale is automatically adjusted.

Gain Control

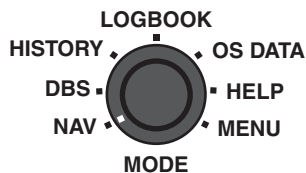
1.  

Picture Color

1. **COLOR**  
2. **-** **+**  

	Background	Seabed	Others marks
1	Monochrome, 8 intensities		
2	Blue	Red infill	6 colors
3	Black	Red infill	6 colors
4	White	Red infill	6 colors
5	Blue	Yellow infill	6 colors
6	Black	Yellow infill	6 colors
7	White	Yellow infill	6 colors
8	Black	7 colors (Strata)	
9	White	7 colors (Strata)	

MODE



⇒ Rotate to select an appropriate mode.

1) NAV mode shows the depth from the transducer to the bottom.

Default screen is as follows.

Color: Amber

Range: Automatic setting

Window: 15 minutes width

Shallow depth alarm: 20 m

2) DBS mode provides a draft-adjusted depth reading. The draft is adjusted by the DRAFT key.

3) HISTORY mode provides a mix of contour and strata displays. Press the [+] or [-] key to move the contour display (max. past 24 hours) forward or backward.

HISTORY

History of the bottom

4) LOGBOOK mode shows time, depth and own ship position in tabular format.

TIME	DEPTH	L/L	60/60
11:00:00	47.5	36°55.012 N 135°23.123 E	
11:01:00	47.5	36°55.012 N 135°23.123 E	
11:02:00	47.5	36°55.013 N 135°23.123 E	
11:03:00	47.5	36°55.013 N 135°23.123 E	
11:04:00	47.5	36°55.014 N 135°23.123 E	
11:05:00	47.5	36°55.014 N 135°23.123 E	

5) OS DATA mode displays own ship data, DATA 1 or DATA 2 (depending on system menu setting).

OS DATA	
POSITION DGPS	N E
COURSE TRUE	
SPEED BT	
TIME	
DEPTH	
DATA 1	DATA 2

TIME UTC

11:23:45

DEPTH

172 m

6) HELP provides information about keys.

7) MENU provides functions which normally do not require frequent adjustment.

CLUTTER	
9	(0~16)
INTERFERENCE REJECT	
OFF	IR1 IR2 IR3
PICTURE ADVANCE	
SLOW	FAST
TREND INDICATOR	
OFF	ON
INTERVAL	
5 s	1 min 2 min 1/2
▼▲: To select item	
- +: To set option	