The purpose of this guide is to provide the basic operation for this equipment. For detailed information, see the operator’s manual in the supplied CD-ROM. You can get the latest version of the manual by accessing the quick response code at the back of this guide. iPhone, iPod and iPad are trademarks of Apple Inc. Android is a trademark of Google Inc. All brand and product names are trademarks, registered trademarks or service marks of their respective holders.

**Operational Overview**

**Home screen operations**

**POWER switch**
- Power on/off.
- Adjusts display brilliance.
- Changes hue.

**Tap**
Displays the home screen.

**Display icons (max. 10)**

**Home screen**

“eGuide” provides an abbreviated operator’s guide.

**How to edit a display icon**
Long tap a display icon to edit, delete, resize, or change its location.

**Display icon long tapped**
- **Edit**
- **Delete**
- **Size**
  (large or small)

**How to select a display**

- From the home screen (see above)
- From the quick page

**Quick page**

The quick page has the display icons selected to large size on the home screen.
Touchscreen operations

**Tap**
- Select an item on a menu.
- Select an object to show the corresponding pop-up menu.

**Drag**
- Move the chart.
- Scroll the menu.

**Two finger pinch**
- Zoom in
- Zoom out
- Zoom in, zoom out the plotter and weather displays.
- Change the range on the radar display.

**Two finger tap**
Do the function assigned to [Function Gesture] in the [Settings] - [General] menu.

**Two finger drag**
Change the viewpoint position on the 3D display.

Menu operation

**Pop-up menu**
Tap any part of the screen or an object.
Tap the required function.
(“>” indicates additional options.)

**Layer menu**
Swipe upward from the bottom edge.
Tap the required function.

**Slide-out menu**
Swipe leftward from the right edge.
Tap the required function.
Icon color and function state
Yellow: ON, White: OFF

**Settings menu**
Tap the [Home] icon.
Tap [Settings].
Tap the required menu.
Tap the required option.
Plotter

Data area

Heading line

COG

Display range

Switch between 2D and 3D. (Drag upward with two fingers also.)

Orientation Mode
Switch between NU and HU.

Inactive route (sleeping)
(Departure or arrival point, selectable on [Layers] menu.)

Inactive route (expanded)

Point

Track

Return own ship to screen center

DATA          ROUTE     RADAR

DATA          ROUTE     RADAR

DATA          ROUTE     RADAR

DATA          ROUTE     RADAR

DATA          ROUTE     RADAR

Data Area (Data Box)

Data box settings

How to add a data box

How to remove or change the contents of a data box

How to add a data box

Tap an unoccupied space.

Tap the data to add.

Ex. “Cursor” data added to the data box

How to remove or change the contents of a data box

Tap the data to remove or change.

Use flipswitch to set data format.
(ON: Analog, OFF: Digital)

Remove: Tap [Remove].
Change: Tap the data to use.
Points

Points can be entered on the plotter and radar displays to mark important locations such as a good fishing spot. Point attributes (position, symbol type, color, etc.) are recorded to the points list.

**How to enter a point**

Tap where to enter a point.

The point is entered on the screen.

**How to set a point as destination**

On-screen point

Tap a point or the location to set as destination.

On-screen point

Selected location

Yellow line: Shortest course from own ship to the destination.

Red dashed line (thick): Indicates course to go to the destination.

**Points list**

Tap [List] on the home screen.

Sort the list by name, icon, color, range.

Tap the point to set as the destination.

The point is put at the center of the plotter display.
Routes

A route is comprised of a series of waypoints leading to a destination. Routes are saved to the routes list.

**How to create a new route**

1. Tap the first point for the route.
2. Tap the next point for the route. Repeat to enter all points for the route.
3. At the last point, tap (Top right corner).
4. Enter a name for the route, then tap ✓.

**How to follow a route**

**On-screen route**

- Tap a leg of the route.

**Routes list**

- Sort list by name, color, or total length.
- Tap the route.
How to switch between standby and TX

Tap
1.5 NM

TX

Standby

How to adjust the gain / sea clutter / rain clutter

Select method

“A” means automatic adjustment
“M” means manual adjustment

Tap to switch between automatic and manual.

Drag the slider/tap the slider bar to adjust.

Manual adjustment

(At bottom of data area)

(Top right corner)
How to measure the range, bearing from own ship to a target

Tap a target to show its range and bearing from own ship.

How to set a guard zone

A guard zone alerts you (with aural and visual alarms) when a radar target enters the area you specify.

Open the [Layers] menu.

The guard zone appears in dashed lines.

Tap dashed line on guard zone.

A circle appears at each corner of the guard zone.

Drag the circles to set guard zone.

Tap the guard zone again.

The dashed lines change to solid lines, indicating the guard zone is active.
ARPA Operation

ARPA is an anti-collision aid that tracks the movement of other ships to help prevent collision. ARPA not only tracks other ships but also provides their navigation data. Targets can be acquired manually, automatically, or both automatically and manually.

**How to activate, deactivate ARPA**

Open the [Layers] menu.

**ARPA activated**

**ARPA deactivated**

**How to manually acquire a target**

Tap the target to acquire.

**ARPA symbols**

- **At acquisition**
- **Within 30 seconds after acquisition**
- **Lost target**

**How to display target data**

Tap an ARPA target to show its data.
The CPA/TCPA alarm releases aural and visual alarms when both the CPA and TCPA of a tracked target are equal to or lower than the CPA/TCPA alarm setting.

**CPA**: Closest point of approach  
**TCPA**: Time to closest point of approach

**How to set the CPA/TCPA alarm**

1. Tap the CPA/TCPA Alarm button on the Home screen.
2. Set the CPA Alarm Value and/or TCPA Alarm Value, then tap [✓].

**How to acknowledge the CPA/TCPA alarm**

Tap the alarm message (top of screen) to acknowledge the alarm and stop the aural alarm.
AIS (Automatic Identification System)

How to show or hide AIS target symbols

AIS target symbols

<table>
<thead>
<tr>
<th></th>
<th>Class A AIS</th>
<th>Class B AIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal target</td>
<td>SOG/COG vector</td>
<td>SOG/COG vector</td>
</tr>
<tr>
<td>Color: blue</td>
<td>Color: green</td>
<td></td>
</tr>
<tr>
<td>Dangerous target</td>
<td>Color: red</td>
<td>Flashing</td>
</tr>
<tr>
<td>Lost target</td>
<td>Color - AIS target: blue - “x” symbol: red</td>
<td>Color - AIS target: green - “x” symbol: red</td>
</tr>
</tbody>
</table>

Proximity AIS target alarm

The proximity AIS target alarm releases aural and visual alarms when the distance between own ship and an AIS target is less than the alarm value.

How to show AIS target data

Tap an AIS target to show its data.
Fish Finder

How to select a frequency

- **Low frequency**: For “normal” use.
- **High frequency**: For detailed observation of schools of fish.
- **Dual frequency**: Show both the low and high frequency pictures.

How to show past echoes (echo history)

- Swipe leftward or rightward to show past echoes.
- Return to normal display.

*1 Requires appropriate transducer.
*2 Requires temperature sensor.
How to select the operating mode

The fish finder is available in automatic and manual operation. For automatic operation, gain, clutter and TVG are automatically adjusted.

Manual mode

How to change the range

Pinch screen.

Drag the slider to set the range.

(The slider bar can also be tapped to set the range.)

How to adjust the gain

Tap the fish finder screen to show the pop-up menu.

Drag the slider to set the gain.

(Top right corner)

(The slider bar can also be tapped to set the gain.)

How to reduce the clutter

Interference Rejection

Clutter

0

(Top right corner)
ACCU-FISH™ measures the size and depth of individual fish and shows that information on the screen.

### How to set ACCU-FISH™

1. **Home screen**
   - Tap on **MOB** or **Settings**.
   - Tap on **Sounder**.
   - Tap on **Alarm**.

2. **Setting Fish Size**
   - Tap on **Fish Size** or **Depth**.
   - Tap on “<”.

3. **Select Fish Mark Type**
   - Tap on **Solid** or **Striped**.
   - Tap on **OFF** to show only size or depth.

**Bottom Lock Range Span**: 30.0 ft
**ACCU-FISH Info**: Depth
**ACCU-FISH Symbols**: Solid
Instrument Display

With connection of appropriate sensors, the instrument display shows various navigation data.

How to enable the instrument display

Add an instrument display icon to the home to screen to show the instrument display.

How to switch instrument displays (ex. full display)

Swipe up or down

After setting, tap [ 
(Incorporation in 3-way screen is also possible.)

How to edit an instrument display

Long tap the instrument display.

A blue line surrounds each indication.

What you can do in the edit mode

Remove / change / add / rearrange indications (drag and drop)

How to remove or change an indication

- Remove indication: Tap [Remove].
- Change size: Tap [Small]*, [Medium], or [Large].
- Change type: Tap [Change Type].
- Change indication: Select in [NAVIGATION DATA].
  * Graphic, digital only

How to add an indication

Long tap an area not circumscribed with a blue line to get into the edit mode.

Tap a size in desired category ([Graphic], [Numeric], Highway)).

Added item appears at tapped location.
Wireless LAN Setting
You can connect to the internet with the wireless LAN signal to download weather information and to connect to an iPhone, iPod, iPad, or Android device.

How to connect to an existing LAN
Connect to the existing LAN to download weather data or update the software.

1. Home screen
   - Select [When Necessary], then tap “<”.

2. Select [Connect to existing LAN], then tap “<”.

3. Tap network required.

4. Enter the name of the network, then tap [OK].
How to create a local wireless network

Create a local wireless network to connect to an iPhone, iPod, iPad, or Android device.

1. Check that [When Necessary] is selected.
2. Select [Create Local Network], then tap "<".
3. Enter the name of the network, then tap [✓].
4. Enter the password, then tap [✓].
5. Connect to the NavNet TZ touch 2 from the smartphone or tablet.