

**TOSLON**  
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**TF630/640**  
Quick start guide



WIRELESS SONAR. GPS  
**BEYOND**



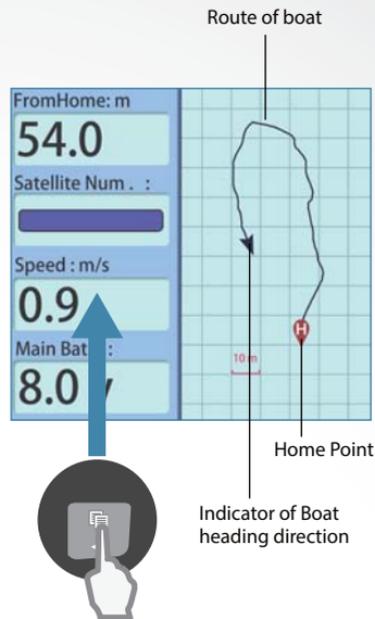
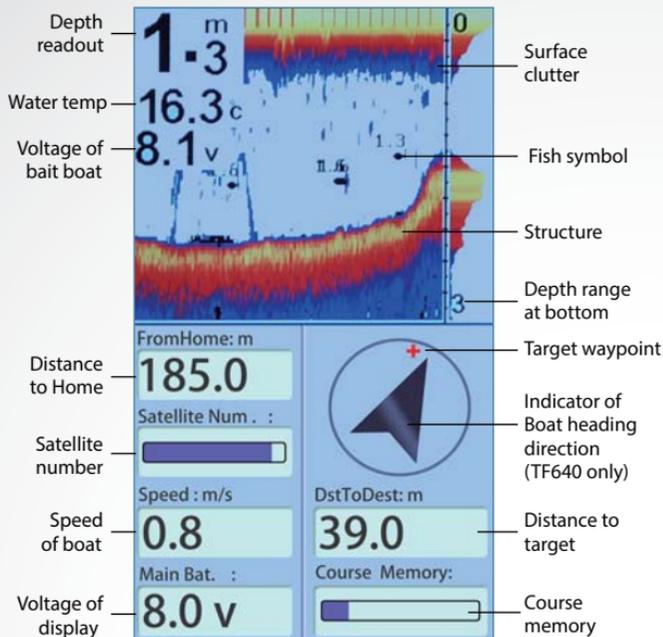
## FEATURES

GPS and Compass	GPS Data: show Distance to target, Distance to Home, Speed of boat, Time to Board, Satellite number, Latitude/longitude of boat, Heading, Bear, Course memory, Time of day, Main battery, etc
	Compass indicator of the instant boat heading direction on screen (a red "+" on screen indicates the target)
	Indicator of the position and distance to target waypoint and HOME
	Boat arriving alarm
	Signal lost alarming
	Indication of satellite condition by color bar: red(0~3 satellites); Yellow(3~6); Blue(>6)
Sonar	20 RF channels allow different users operating at the same region without radio interference
	Detailed waypoint information including icon, name, depth, date, etc.
	Zoom in/Out route display
	Adopt brand new wireless digital sonar system
Others	Color Line separates fish and structure from the bottom and defines bottom hardness
	Display target depth reading above each fish symbol as a guide for quick and precise lure presentations
	Sonar alarm: fish/shallow/low battery
	3 background colors
Others	Built-in temp sensor in transducer
	Windows style of menu system
	Full one year warranty, extended warranties available.



<b>MENU</b>	Open Menu settings( Basic, Sonar Setting and GPS Setting).
<b>ZOUT</b>	Used to zoom out GPS route on the screen.
<b>ZIN</b>	Used to zoom in GPS route on the screen.
<b>PAGE</b>	Used to switch between main menus or some sub menus. For example, there are total 500 waypoints listed in 50pages. PAGE key can be used to switch between the 50pages.
<b>KEYPAD</b>	Selects items on menus; increase & decrease a value of option.
<b>ENTER</b>	Finalizes menu selections; confirm a setting. ENTER key is also used to quickly enter into GPS Operation menu.
<b>POWER</b>	Turns unit on/off. Also be use to quit a menu setting.

# What's on the display



→ Note: for TF630, the Compass (indicator of boat heading direction) is not displayed.

→ Note: you can use the  key to switch between Compass and Route display.

## Switch Menus

you can use the  key to switch between main menus.



## Quickly enter into 【GPS operation】

you can use the  key to quickly enter into 【GPS Operation】 menu.



# Overlap Data

In the GPS data area of the display, you can choose to show any of the following options:

FromHome, Distance to Home, Speed of boat, Time to Board, Satellite number, Latitude/longitude of boat, Heading, Bear, Course memory, Time of day, Main battery, etc.

Overlap Data determines which option will be displayed.



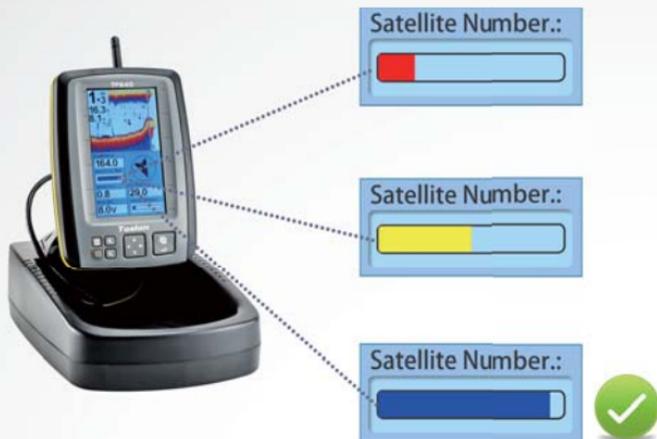
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## How to set the Overlap Data?

- 1) Press **↵** Key, appears **【GPS Operation】** menu.
- 2) Use keypad to choose **【Overlap Data】**
- 3) Press **↵** Key, you will find one of option become Green.
- 4) Use keypad to choose an option which you hope to change, then press **↵** key, the GPS option menu appears.
- 5) Choose an GPS option and press **↵** Key, then the selected option is successfully changed to new option.

→ **Note:** please start using the device only when the Satellite Number bar become blue, which means the GPS signal is strong enough.



## How to create a waypoint?

When the boat run to a certain position:

- 1) Press **↵** Key, appears **【GPS Operation】** menu.
- 2) Use keypad to choose **【Quick Marker】**

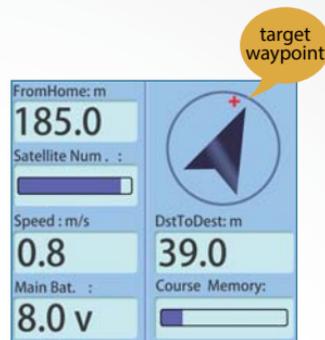
Press **↵** Key, appears the waypoint detail.

- 3) Set the options and choose **【OK】**, then Press **↵** Key.

Then the waypoint was successfully created and saved in waypoint list.

→ **Note:** you can set different icon, number, name, depth, etc for each waypoint.

# Start Using



## How to choose a waypoint as target?

- 1) Press **↵** Key, appears **【GPS Operation】** menu.
- 2) Use keypad to choose **【Waypoint】** , then press **↵** Key.
- 3) In the appeared waypoint list, use keypad to choose a waypoint. Press **↵** Key.
- 4) On the waypoint **【Detail】** , choose **【Set as Target】**

Now, the selected waypoint was successfully set as target waypoint.

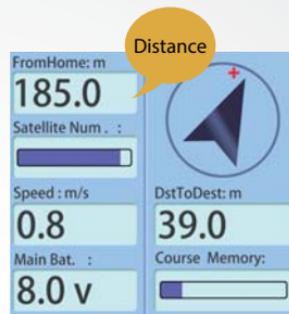
→ **Note:** as soon as a waypoint was set as target, a red "+" will appear on the compass area which represents the target waypoint.

## How to know how far the boat has run away?

Before you start running the boat, please set the current position (shore) of boat as HOME Pos:

- 1) Press  Key, appears **【GPS Operation】** menu.
- 2) Use keypad to choose **【Set Home Pos.】**, then press  Key.

Now, on the screen, the option **【FromHome】** will be the distance the boat has run away.



## How to change the radius of arrive alarm?

The default radius of arrive alarm is 5m, which means the unit will sound alarm as soon as the boat is 5m far from the target waypoint.

To achieve a more accurate position, you can set it to a smaller value, for example, 2m.

- **Note:** if the radius of arrive alarm is set too small, for example 1m, the boat may not be positioned to the target waypoint under poor GPS signal.



- 1) Press  Key, then repeatedly press  key to switch to **【GPS Settings】** menu.
- 2) Use keypad to choose **【Arrive Alarm】**, then press  Key.
- 3) Use keypad to increase/decrease the value of **【Arrive Alarm】**

# Menu List

## Basic

<b>Sensitivity</b>	Controls the level of details shown on the display.
<b>Fish ID. Sens</b>	Adjust the threshold of fish size display. higher setting allows weak returns being displayed as fish, while a low setting will prevent weak sonar returns being displayed as fish.
<b>Shallow Alarm</b>	Shallow Alarm sounds when the depth becomes equal to or less than the menu setting.
<b>Fish Alarm</b>	Fish Alarm sounds when the fishfinder detects what it determines to be a fish.
<b>Battery Alarm</b>	Battery Alarms sounds when the input battery voltage of display is equal to or less than the menu setting.
<b>Boat VTG. Alarm</b>	Battery Alarms sounds when the input battery voltage of display is equal to or less than the menu setting.
<b>RF Channel</b>	Set different RF channel to allow more than one users operating the device in the same region without any radio interference.

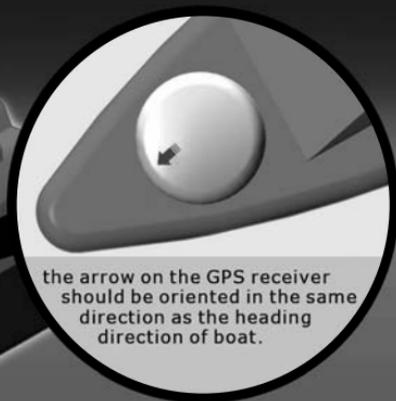
## Sonar Setting

<b>Color Line</b>	Separates strong sonar echoes from weak sonar echoes. That makes it easier for you to distinguish fish for structure from the bottom.
<b>Backlight</b>	adjust the brightness of backlight.
<b>Screen BkGnd</b>	Set the display mode of screen (blue, white, black).
<b>Beeper</b>	Set if the sonar unit sound a tone or not when a key is pressed.
<b>Units</b>	set the units of measure for all depth-related readouts.
<b>Language</b>	Select the display language for menus.
<b>Overlap Data</b>	Used to select data shown on the sonar page (water depth, temperature, voltage).
<b>Keel Offset</b>	Adjust the digital depth readout to indicate depth from the waterline or boats keel.

<b>Baud Rate</b>	Used to control data transmission with external device.
<b>System Reset</b>	Used to restore original factory setting.
<b>Simulator</b>	Used to let you practicing using the Fishfinder as if you were on the water.
<b>System Info</b>	Show system information of device.
<b>GPS Setting</b>	
<b>GPS Filter</b>	Determines in what satellite condition the device will stop GPS navigation automatically.
<b>Dst. Unit</b>	Selects the units of measure for all distance-related readouts.
<b>Spd. Unit</b>	Selects the units of speed of boat.
<b>Time Zone</b>	Selects time zone for using in different countries.
<b>Sample Dst</b>	Set how long the distance per GPS data sampling.
<b>Course Saving</b>	Set the method of course saving when the course memory is full.
<b>Arrive Alarm</b>	Arrive alarms sounds when the distance from boat to target waypoint is equal or less than the menu setting.
<b>Compass in hand</b>	Used for compass calibration of the display.
<b>Compass on boat</b>	Used for compass calibration of the boat.
<b>GPS Operation</b>	
<b>Quick Marker</b>	Used to quickly save an waypoint. You can set an icon, name, date, etc for the waypoint.
<b>Waypoint</b>	List of waypoints which you have created. These waypoints can be edit or delete.
<b>Course</b>	List of route which you can choose to edit or set as target.
<b>Stop Navigation</b>	Used to stop current navigation.
<b>Clear Map</b>	Used to clear the route display on the screen.
<b>Overlap Data</b>	Determines what GPS data will be shown on the display.
<b>Set Home Pos</b>	Set the current position of boat as HOME position. This is necessary when you hope to know how far the boat has run.



the GPS receiver should be mounted at least 30cm far from any antenna on the boat, such as antenna of boat, GPS, fish finder, etc.



the arrow on the GPS receiver should be oriented in the same direction as the heading direction of boat.

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## No Magnet

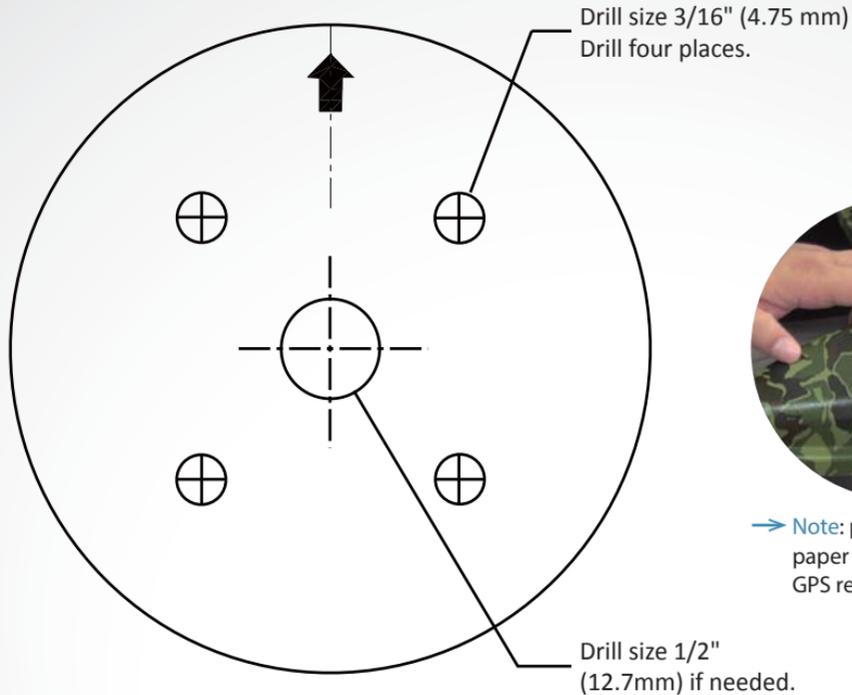
Please mount the GPS receiver where is away from boat's motor, screws, or anything could be made by magnetic metal such as iron, nickel, etc.



## Compass Calibration

If the compass does not work properly. Please calibrate the compass manually. Before the calibration, please read the user manual carefully.

## Paper card of GPS Receiver Mounting



→ **Note:** please use the paper card to guide the GPS receiver mounting.

# SPECIFICATIONS

GPS and RF	GPS position accuracy	CEP(circular error probability): 2.5m
		Field test position accuracy: 1m
	Waypoint storage	500
	Route	10
	Radio frequency	2.4GHz
	R/C Range	300m (1000ft)
	RF channels	20
	Speed of boat	Yes
	Longitude and latitude	Yes
	Satellite	50 Channel
Sonar	Sonar frequency	460kHz (optional: 200kHz)
	Depth capability	80ft (130ft under 200kHz)
	Sonar coverage	35degree (19degree under 200kHz)
Compass	Compass calibration function	Yes (TF640 Only)
Power	Power supply of display	6~12v lithium battery or 8*AA battery
Display	Display Size	4.3"TFT LCD; Sunlight viewable
	Resolution	480*272 pixels; 65,536 color
Casing	Sonar unit size	153 x110 x 44mm

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SPECIALLY DESIGNED FOR ALL KINDS OF

# BATTBOAT

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