

# ECHOFISH 300 OPERATION GUIDE

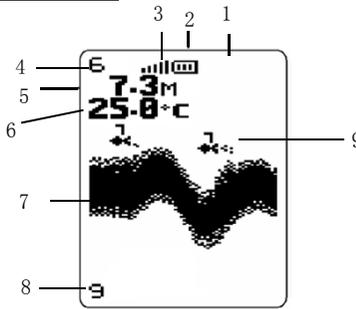
## 1 PRODUCT OVERVIEW

Plastimo is happy to present you the Echofish 300. With its innovative technology, the Echofish 300 is perfect for people who want to go fishing on a small boat or from the seashore. The unit can be used in oceans, rivers or lakes. Thanks to the Echofish 300, you will find out the location of fish, depth and bottom contours



fig.1

## 3 DISPLAY VIEW



- 1 Water Surface Line
- 2 Battery Strength Indicator
- 3 Sensitivity Indicator
- 4 Upper Zoom Range
- 5 Water Depth
- 6 Water Temperature
- 7 Bottom Contour
- 8 Lower Zoom Range
- 9 Fish Icon with Depth

## 4 Powering ON and OFF

Press and release POWER-MENU to power the unit on. Press and hold POWER-MENU until the unit shuts down to power off. When Unit powers on, the Start Up menu temporarily appears. From this menu, select either Start-Up for on-the-water use, or Simulation for learning to use the system with simulated sonar data. The Start-Up menu disappears after several seconds and the Unit begins operation.



## 5 Accessing Menu Features

A simple menu system accesses unit's adjustable features. To activate the menu system, press POWER-MENU and a menu appears. Press POWER-MENU repeatedly to access other menus one at a time. When a menu is on the display, use the right and left arrow keys to adjust the menu. Menus automatically are removed from the screen after several seconds.

## 2 HOW SONAR WORKS

Echofish 300 sonar technology is based on sound waves. The system uses sonar to locate and define structure, bottom contour and composition, as well depth directly below the transducer. The transducer sends a sound wave signal and determines distance by measuring the time between the transmission of the sound wave and when the sound wave is reflected off an object; it then uses the reflected signal to interpret location, size, and composition of an object.

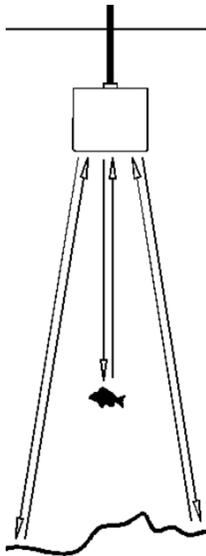
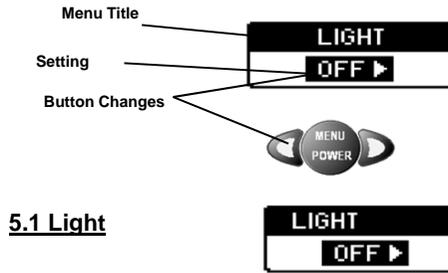


fig.2



### 5.1 Light

(Setting Saved in Memory)  
Press POWER-MENU until the LIGHT menu appears. Select either OFF or ON to activate the backlight at the desired level.



**Note: Continuous backlight operation significantly decreases battery life on portable units.**

### 5.2 Sensitivity

(Setting Saved in Memory, 1 to 5)  
Press POWER-MENU until the SENSITIVITY menu appears.



**Note: In manual operation, if the depth is greater than the depth range setting, the bottom will not be visible on-screen. Select AUTO to return to automatic operation.**

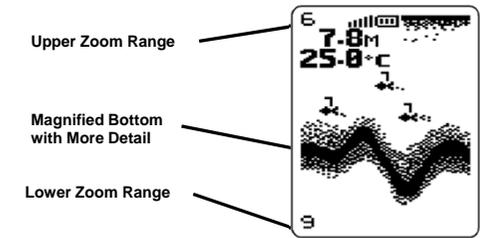
### 5.3 Depth Range Menu

(Setting Saved in Memory)  
Press POWER-MENU until the Depth Range menu appears. Select AUTO to have the Unit automatically select the Depth Range or manually select 4.5m, 9m, 18m, 36m, 55m or 73m. This locks the depth range to a specific setting.

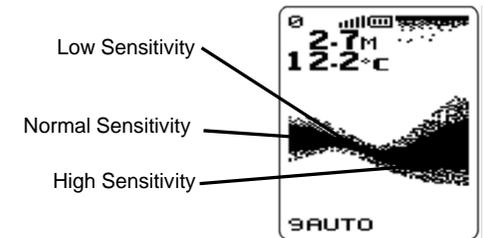


### 5.4 Zoom

(Setting Saved in Memory)  
Press POWER-MENU until the ZOOM menu appears. Select ON to magnify the area around the bottom that may not be visible in typical operation. In Zoom, the Unit continually changes the upper and lower Depth Range to keep area just above and below the bottom on the display. Select OFF to return to normal operation.



Select a higher number to show smaller sonar returns on-screen, or a lower number to remove clutter from the screen. Adjusting Sensitivity also affects how sonar returns are identified as Fish Icon Symbols - more fish will be detected at a higher setting, fewer at a lower setting. "5" is the Factory Setting.



### 5.5 Depth Alarm

(Setting Saved in Memory)  
Press POWER-MENU until the DEPTH ALARM menu appears. Select OFF for no Depth Alarm; select a number from 1 to 30m to set the alarm depth point and turn it on. An audible alarm sounds when the depth is equal to or less than the setting.



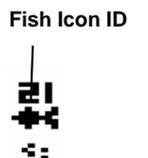
### 5.6 Fish Alarm

(Setting Saved in Memory, Defaults to OFF)  
Press POWER-MENU until the FISH ALARM menu appears. Select OFF for no fish alarm, or select the fish icon to set the fish alarm and turn it on.



### 5.7 Fish Icon

(Setting Saved in Memory)  
Press POWER-MENU until the FISH ICON menu appears. Select either OFF to view "raw" sonar returns, or ON to take advantage of Unit's ability to identify sonar returns that are determined to be a fish.



## 5.8 Chart Speed



(Setting Saved in Memory)  
Press POWER-MENU until the CHART SPEED menu appears. Select a setting from 1-4 to increase or decrease the chart speed, where 1 is the slowest and 4 is the fastest chart speed.

## 5.9 Depth Unit



(Setting Saved in Memory)  
Press POWER-MENU until the DEPTH UNIT menu appears. Select either FT or M to set the unit of depth.

## 5.10 Temperature Unit



(Setting Saved in Memory)  
Press POWER-MENU until the TEMP- UNIT menu appears. Select either °C or °F to set the unit of temperature.

## 6. FIXING SONAR SENSOR

**6.1** Pull out the rubber stopper, adjust float so that it is 18 to 25cm from the sensor, or at your desired depth. Replace the rubber stopper by pressing it firmly into the float. The Sensor float must be adjusted so that it is a minimum of 18 cm away from the sensor (fig.16).

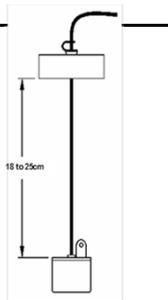


fig.16

**6.2** Place the sonar sensor and float assembly into water at your desired fishing location. To toss, place the sonar sensor and float in your hand, and pitch underhand. Do not throw the sensor by the cable as this will cause unrepairable damage. Before floating the transducer, be certain that the cable is free from tangles and is not wrapped around anything.

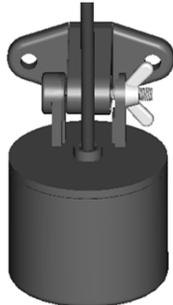


fig.17

**6.3** Your Fish Finder includes a combination adapter, mounting bracket for the sonar sensor (fig. 17).

The Adapter includes mounting tabs so that you can attach it to any flat surface or boat hull (fig.18) and appropriate rod, The Adapter is removable and adjustable up to 180 Degrees.

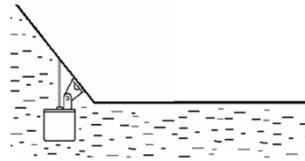


fig.18

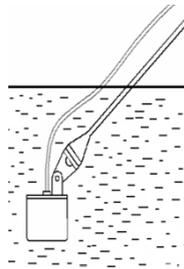


fig.19

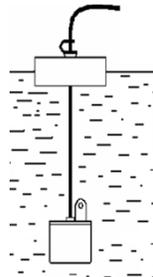


fig.20

**6.4** Use a pole to guide the sonar sensor to a desirable position (fig.19) or add floats on the cable to float on the water (fig.20)

### NOTE:

- **Incorrect use: Do not allow the cable to sink to the bottom as it may become entangled in debris {fig.21}**

- **The float can be removed as follows, if you do not need it, cutting off the rubber stopper from the cable and sliding the safety strap and the float towards the plug and gently take it out from the plug.**

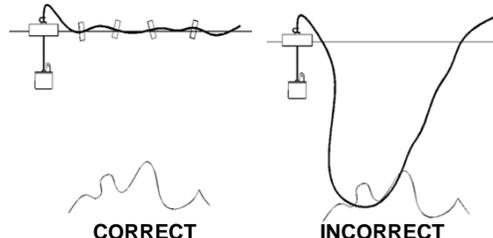


fig.21

## 7 FISHING AT THE BOAT

### 7.1 FISHING AT THE BOAT

7.1.1 Place the sensor and float into the water as per the previous instructions.

7.1.2 Attach the adapter to the boat hull using the mounting tabs.

## 8 Product specification:

Display :	FSTN LCD 128Vx64H
Backlighting :	White LED
Power Requirement:	4-AAA alkaline Batteries
Measure Units:	Feet and meters
Sensor Beam Angle:	45 degrees
Depth Range Max :	70m
Depth Range Min :	0.6m
Operational Temperature From	-20C to 70C

## 9 Attachments:

- 1)Round Transducer with 7,60m Cable
- 2)Transducer Adapter
- 3)Stainless Bolt
- 4)Stainless Wing Nut
- 5)Neck Strap

### NOTE:

Remove the batteries from the fish finder to prevent battery leakage and corrosion.

Clean the sonar sensor and cable with fresh water and dry-off before storing .Do not submerge and/or spray the fish finder screen/housing with water or use chemicals to clean.

