

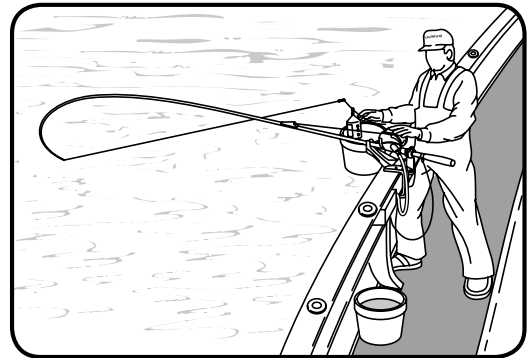
Automatic Gunwale Stop



When the motor stops, just raise your rod vertical and the rig will come straight to your hand.

You can set the reel so that when the motor stops retrieving the line you just need to raise your rod vertical to have the rig come straight to your hand.

- * When connecting to a power source for the first time the Gunwale Stop is set at 6m. From the second time onwards, the position at which the reel is stopped for more than 5 seconds will automatically be remembered by the computer as the Gunwale Stop position. (This feature works within the 1m~6m range. When the depth displayed is less than 1m, in the interests of safety it is set at 1m.)
- * This product is equipped with a gunwale stop function, so that if the reel determines that large changes are occurring in the load, winding may stop well before the gunwale in the interests of safety. This is a normal part of operation and is not a sign of a malfunction.



Helpful Advice

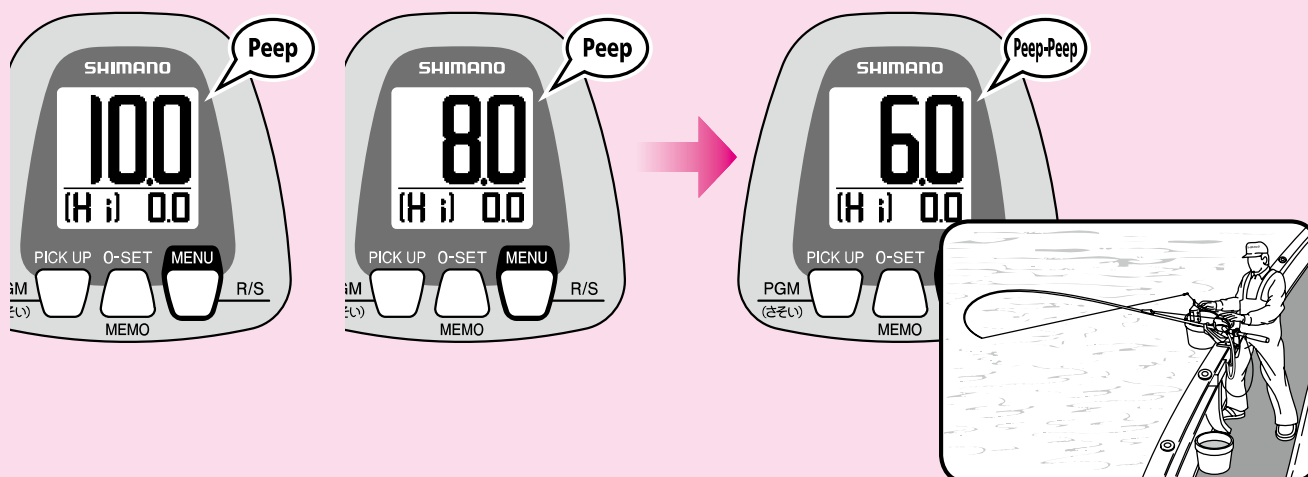
When fishing with a short rod from the bow of a boat, if zero setting is carried out in the normal way, then the Gunwale Stop Position will be outside of the normal 1~6m range.

In such cases, wind the rig up to the end of the rod and reset zero at that point to ensure that when the motor stops the rig will come to your hand when you raise the rod vertical.

In this particular situation, as zero setting is not carried out on the surface of the water, the actual distance from the end of the rod to the surface of the water will be different.

Alarm (Gunwale)

The alarm will sound 4m before the Gunwale Stop Position.



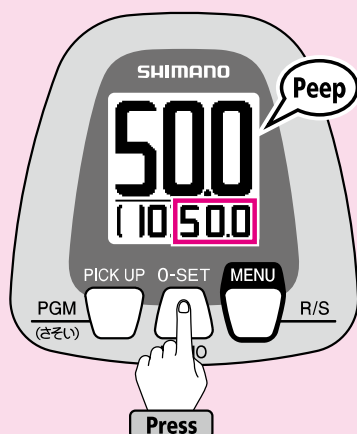
1 4m before the Gunwale Stop Position the alarm will sound every 2m. The diagram above shows the display when winding in using the Technical Lever in HI.

2 At the Gunwale Stop Position (in this case at 6.0m) the alarm will sound (peep-peep) and the motor will automatically stop. After the motor has stopped you can raise the rod vertical and have the rig come straight to your hand as shown in the diagram above.

Programming Target Depth and Bottom Depth



To save the water depth . . .



Lower the rig to the desired water depth, and then press the MEMO button.

The saved water depth will be displayed in the Saved Depth column. (section)

In the above diagram, a water depth of 50.0m has been saved.

(When Top-Down Mode is selected)

* This setting can be repeated as many times as desired.

Finding the Target Depth



Choose between Top-Down and Bottom-Up Modes

The secret to improving your catch is being able to accurately position your rig at the depth where the fish are.

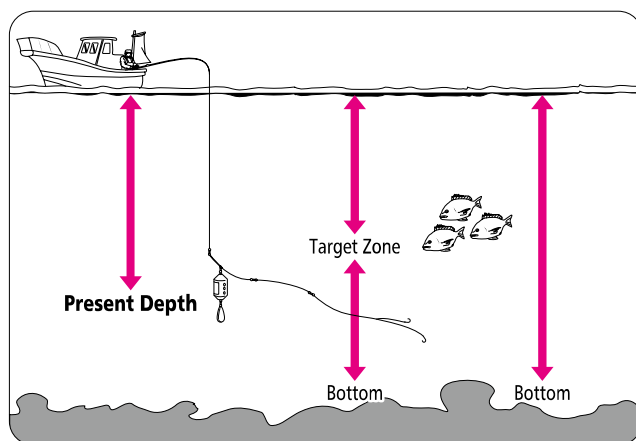
With the latest high-performance fish finders it is possible to see the exact depth that the fish are at. The skipper of the vessel will normally give you this information.

Depending on factors such as fishing ground,

fishing technique and target species, this position may be given as the distance from the surface or the distance from the bottom.

This product lets you switch the depth display method for times when you would like to check the distance from the bottom.

Select between modes according to the situation at hand.



Changing Mode

When the power is turned ON the reel will be in Top-Down Mode. Use the procedure shown below to change modes.

1. At the Water Depth Display press and hold the **MENU** button for 3 seconds and the Menu Screen will appear.

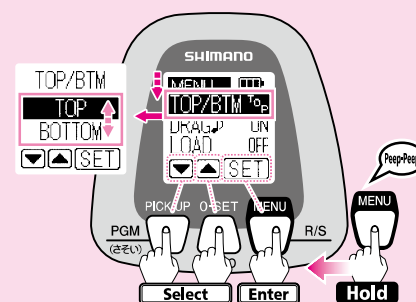
2. Press **▼** several times and select TOP/BTM. The current setting appears to the right of the function name.

(Setting shown here is for instructional purposes only.)

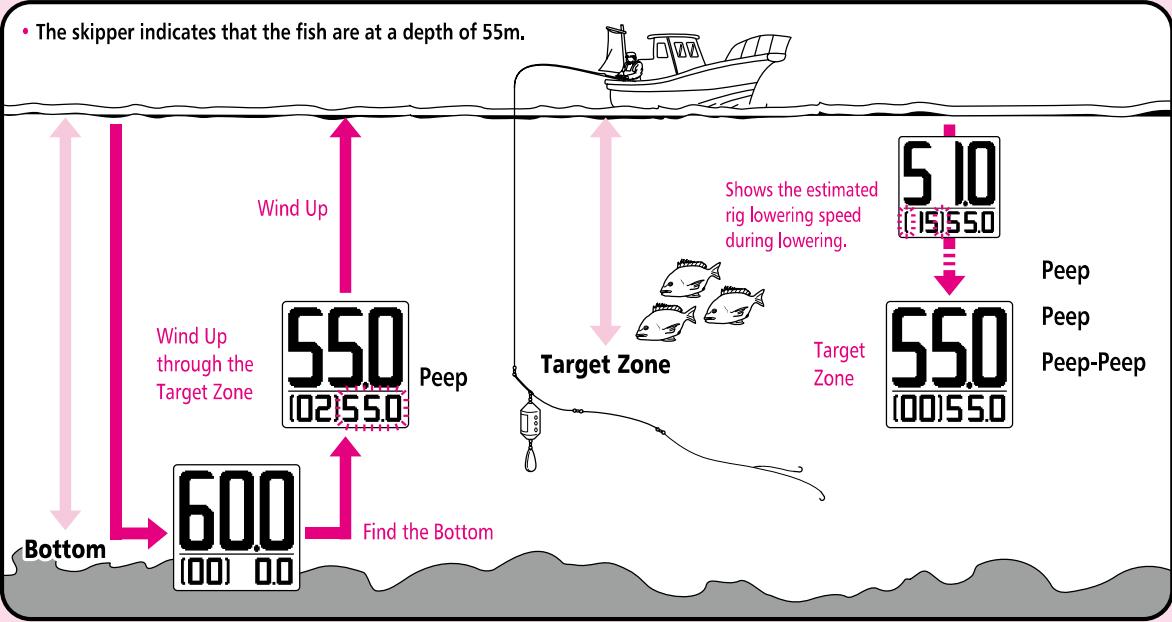
Press **SET** and the TOP/BTM menu will appear.

3. Use **▼▲** to choose either Top-Down or Bottom-Up, then press **SET**.

Please see Pages 12 for details regarding menu button operation.

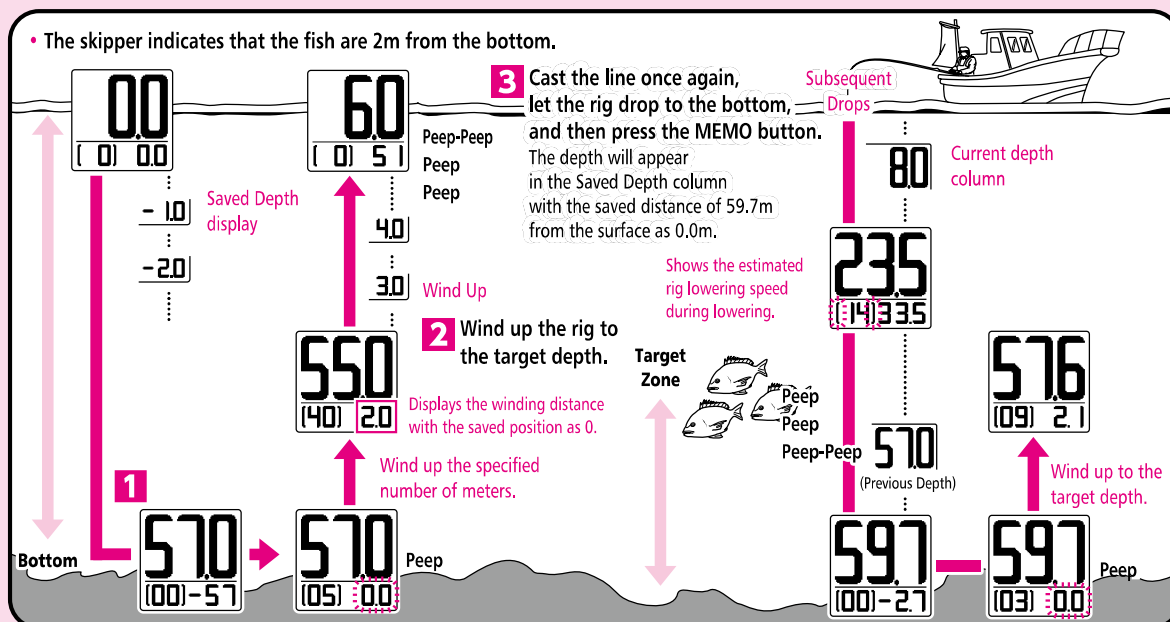


Top-Down Mode Example



- 1 Allow the rig to drop to the bottom.
- 2 Wind the rig up to the target depth. Press MEMO to save the target depth. The above procedure is used when you want to know the depth of the bottom. However, it is also possible to drop the rig to the target depth and then press Memo to save that depth.
- 3 On subsequent drops the alarm will sound when the rig reaches the saved depth.

Bottom-Up Mode Example



- 1** First lower the rig to the bottom, and then press the **MEMO** button. The depth will appear in the display with the saved distance from the surface as 0. When you wind the reel, the counter will start counting upward to allow you to check the distance from the bottom.

Explanation

When the skipper says the fish are a certain number of meters from the bottom, lower the rig to the bottom and then wind it up the required number of meters. (Normally bait is scattered at this time.)

Winding In: Rakuraku Mode | Fixed Speed Mode



1 Changing between Rakuraku Mode and Fixed Speed Mode

- Press Menu (R/S) to change between Rakuraku Mode and Fixed Speed Mode.
You can change modes when winding in.
- The current mode is shown on the display.
R (Rakuraku Mode): Green backlight.
S (Fixed Speed Mode): Orange backlight.

2 What is Fixed Speed Mode?

Regardless of the size of the fish, or in other words the load on the reel, Fixed Speed Mode adjusts motor settings to wind in your fish at a set speed*.

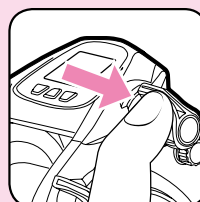
* Speed is the spool rotation speed.

Caution: Settings 1~4 are for dead slow. At some tension setting the weight of the sinker can stop the rig from being wound in. In such cases increase the tension.

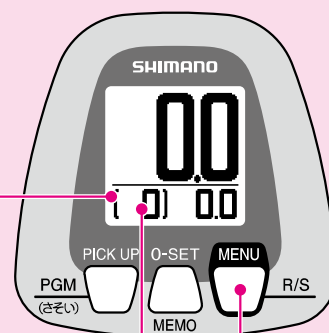


Technical Lever

Used to set Fixed Speed Mode and Rakuraku Mode.



Shows the position of the Technical Lever.



Present Mode

R (Rakuraku Mode): Green Backlight
S (Fixed Speed Mode): Orange Backlight

Menu | R / S (Rakuraku/Fixed Speed) Button

Used to change between Rakuraku Mode and Fixed Speed Mode.

(Continued on the next page.)

3 What is Rakuraku Mode?

Rakuraku Mode maintains line tension at the level you set. In other words, the reel senses the tension (load) on the line and automatically adjusts motor rotation speed to maintain a constant tension.


In other words...

- | | |
|---|--|
| <ul style="list-style-type: none">• It avoids the tug of war that occurs between the motor and the fish. | <ul style="list-style-type: none">• This is particularly useful when fishing in rough water where it is impossible to maintain a constant tension on the line manually by using the rod. |
| <ul style="list-style-type: none">• It adjusts motor speed to compensate for sudden changes in tension caused by the movement of the fish and the vessel. | <ul style="list-style-type: none">• The motor takes up any sudden slack in the line when tension decreases due to factors such as when the rod is lowered during pumping. |

It makes reeling your fish in so easy that you just need to enjoy your fishing.

It also has the following advantages...

- Rigs with only a light load can be recovered at maximum speed without having to worry about adjusting motor speed, which makes life easy and means that you can concentrate on fishing.
- Adjust tension can quickly and easily using the Technical Lever.
- Maximize rig strength by eliminating the tug of war that occurs between the motor and the fish.

Setting Rakuraku Mode

- Settings are adjusted using the Technical Lever (see the previous page for details).
- Settings **1~4** are for dead slow.
At some tension setting the weight of the sinker can stop the rig from being wound in. In such cases increase the tension.

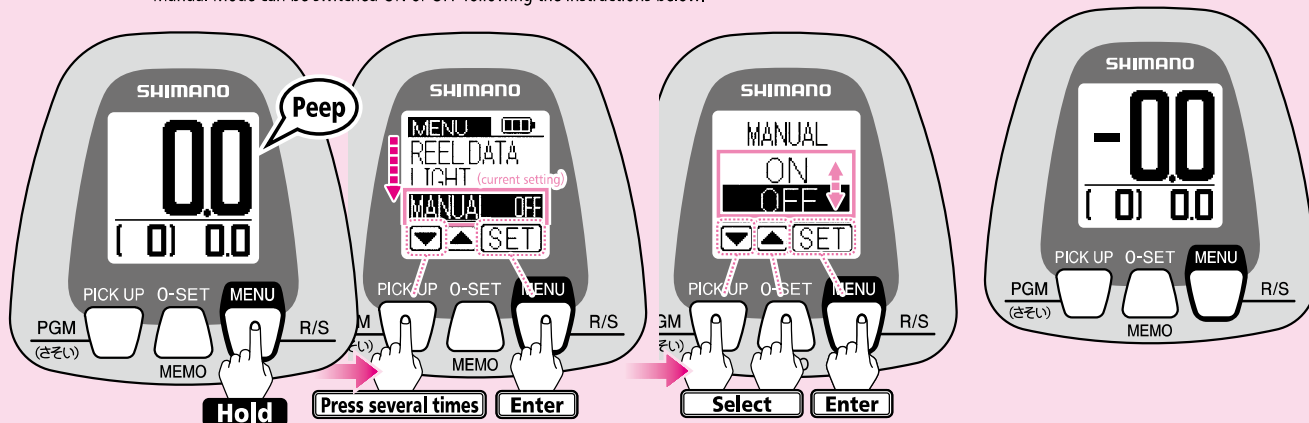
Manual Mode



Handy for Kite Fishing

When the counter shows 0.0 or less, the motor can be used for winding the line in.

Manual Mode can be switched ON or OFF following the instructions below.



- 1 When the power is turned on, Manual Mode is set to OFF. The illustration shows the Water Depth Display with Manual Mode OFF.

At the Water Depth Display press and hold the **MENU button for 3 seconds and the Menu Screen will appear.**

Note: All settings and values shown here are for instructional purposes only. They are not intended to be actual settings or values.

- 2 Press **▼** several times and select **Manual Mode**.

The current setting appears to the right of the function name.

(Settings shown here are for instructional purposes only.)

Press SET and the Manual Mode menu appears.

Use **▼▲ to choose either ON or OFF, then press SET to complete the setting.**

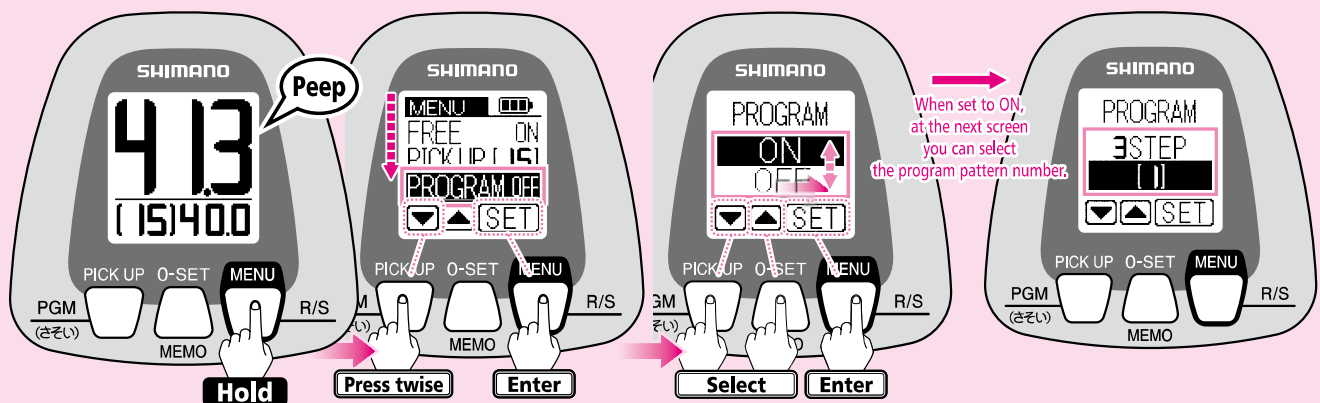
(See pages 12 for details regarding Menu Screen operation.)

If you set the Manual Mode to ON, you can use electric reeling when the counter shows 0.0 or less.

Program Mode



Replicates pro-angler reeling patterns or your own programmed technique



- 1 When the power is turned on, Program Mode is set to OFF.

At the Water Depth Display press and hold the MENU button for 3 seconds and the Menu Screen will appear.

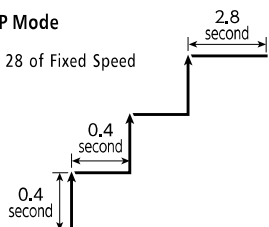
Note: All settings and values shown here are for instructional purposes only. They are not intended to be actual settings or values.

- 2 Press ▼ twice to select PROGRAM.
The current setting appears to the right of the function name.
(Settings shown here are for instructional purposes only.)
Press SET and the Program menu appears. Use ▲▼ to choose either ON or OFF, then press SET.
(See pages 12 for details regarding Menu Screen operation.)

- 3 When set to OFF, you will return to the Menu Screen and the setting is complete.
When set to ON, at the next screen you can select the program pattern number.
Program patterns 1-3 are preset patterns as described on the opposite page, while 4 and 5 you can program with your own techniques.
Patterns 4 and 5 are factory set at dead slow winding. You can overwrite these by programming in a new pattern.

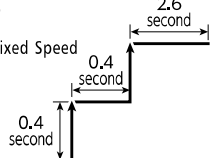
[1] ... 3 STEP Mode

Winds at speed 28 of Fixed Speed Mode.



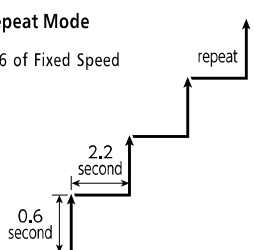
[2] ... 2 STEP Mode

Winds at speed 28 of Fixed Speed Mode.



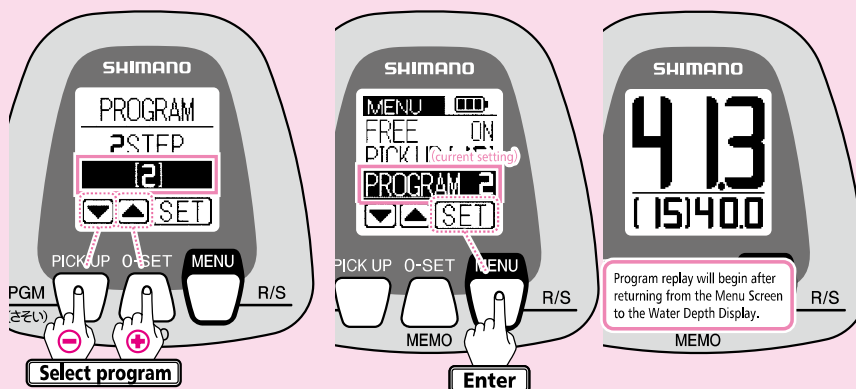
[3] ... STEP Repeat Mode

Winds at speed 16 of Fixed Speed Mode.



[4] • [5] ... Custom Repeat Mode

Note: All values shown on the counter are for instructional purposes only. They are not intended to be actual values.



4 Use ▼ ▲ to select program pattern number.

※ Caution

The preset program patterns are typical patterns, but the movements will depend on actual conditions such as the rod, weights, water depth, etc. If the presets do not suit the angling conditions, it is recommended that you program your own pattern and use it instead.

If you select pattern 4 or 5, proceed to the next page in this manual and follow the instructions for Program Learning.

5 Press SET to complete the setting and return to the Menu Screen.

(Illustration shows program pattern set at 2.)

Select RETURN from the Menu and return to the Water Depth Display.

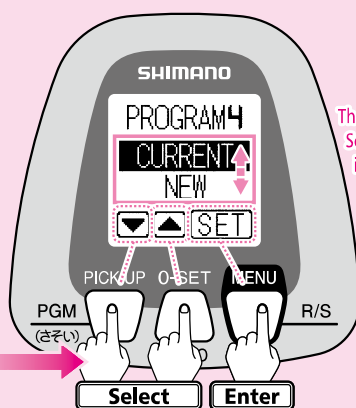
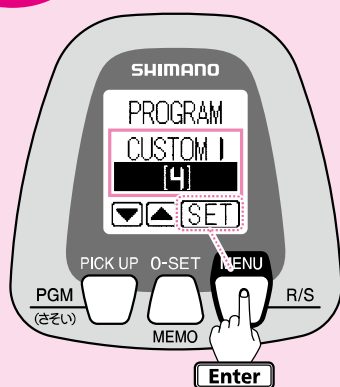
The reel will then be ready to replay the programmed movement pattern.

To start the program pattern, see page 55 "Using the Program Mode"

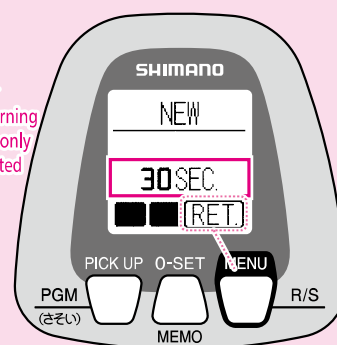
Jigging Learning



Replicate Your Own Original Jigging Technique.



The Program Learning Screen appears only if NEW is selected.



1 Choose pattern 4 or 5 and press SET.

Note: All settings and values shown here are for instructional purposes only. They are not intended to be actual settings or values.

2 The next menu will appear.

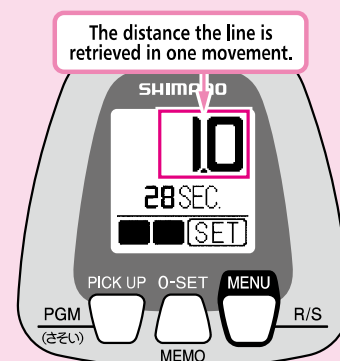
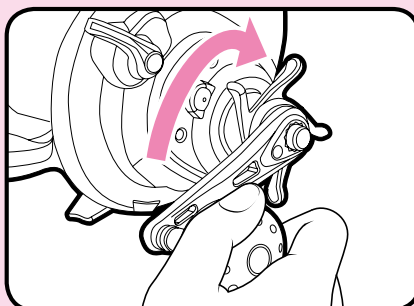
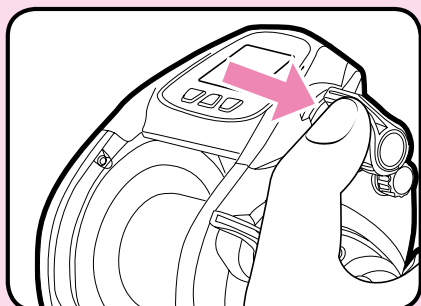
To select a pattern that you have already programmed in 4 or 5, set to **CURRENT**, or if you want to overwrite with a new pattern, choose **NEW** and press SET.

When set to ON, you will return to the Menu Screen and the reel is ready for program replay.

3 Jigging Learning can be carried out for a maximum of 30 seconds.

The time remaining to record your jigging technique will be displayed on the lower right of the display.

Caution: The settings and values shown on the display are for illustration purposes only. Actual settings and values may differ.



● Learning Using the Handle

Turn the handle at the desired speed and then rest for as long as you want.

If you take too long to turn the handle (more than 2 seconds for a single turn) then this will not be recorded.

If the spool turns faster than the maximum speed using the Technical Lever, then this will be recorded as the maximum speed for the Technical Lever.

● Learning Using the Technical Lever

Retrieve the line at the speed and timing you desire and then rest for as long as you want.

This is only possible in Fixed Speed Mode.

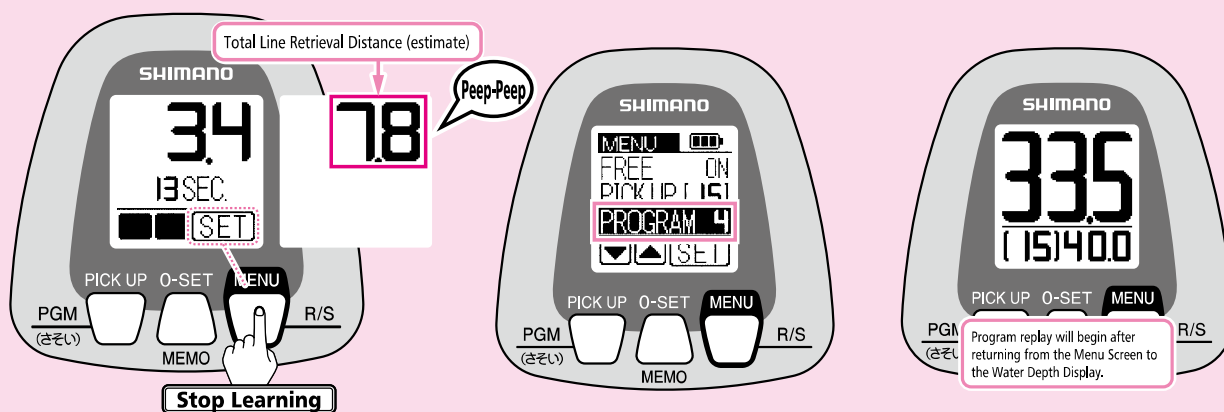
4 Review the technique (winding and rest times) recorded using the Technical Lever or the handle.

Learning starts when winding begins and at the same time the number of seconds remaining is shown on the display.

The distance the line is retrieved in one movement is shown in the center of the display.

(Continued on the next page.)

Caution: The values and settings shown on the reel display in this manual are in some cases just examples. Actual values may differ.



5 Press MENU to stop Learning.

If MENU is not pressed then Learning will automatically stop after 30 seconds.

After Jigging Learning has stopped the total line retrieval distance (estimate) is displayed in the center of the display for 2 seconds as shown above.

6 The display will return to Standard Mode

* If you input a new technique in Jigging Learning then the old data will be erased. If you want to redo Jigging Learning then go back and repeat the process from the beginning.

The reel is now ready to use in Jigging Mode with your own original jigging technique.

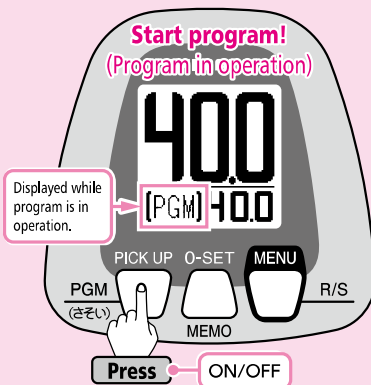
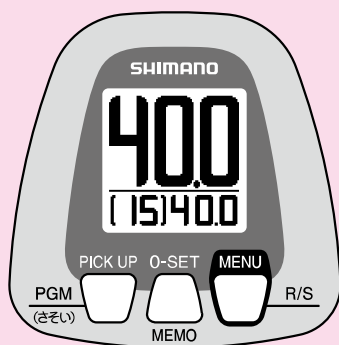
(Continued on the next page.)

Select RETURN from the Menu to return to the Water Depth Display.

Using the Program Mode



Finally, try out the program pattern that you have set.



- 1 Set Program Mode to ON, referring to pages 50–54.

If the Menu Screen is displayed, select RETURN to switch to the Water Depth Display.

Note: All settings and values shown here are for instructional purposes only. They are not intended to be actual settings or values.

- 2 Lower the rig to the target depth and press the PGM button to repeatedly perform the saved program pattern.

While the program pattern is in operation, [PGM] will be displayed on the Water Depth Display.

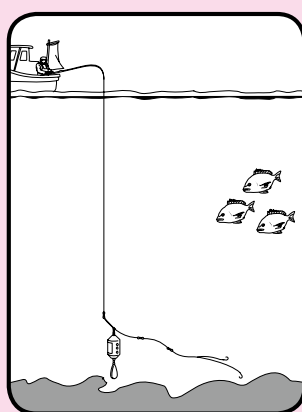
※ When Program Mode is ON, Pick Up Mode is automatically turned OFF.

To pause and restart the program pattern, press the PGM button.

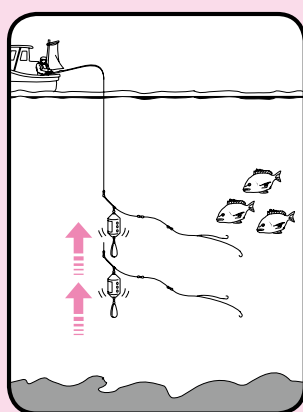
※ After gunwale stop, the motor stops.

(Continued on the next page.)

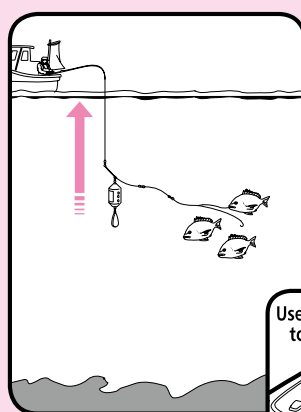
Caution: The values and settings shown on the reel display in this manual are in some cases just examples. Actual values may differ.



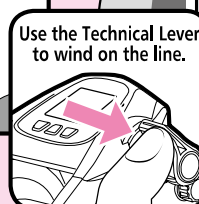
**Press the PGM button.
Program pattern
starts!**



**Program in
operation**



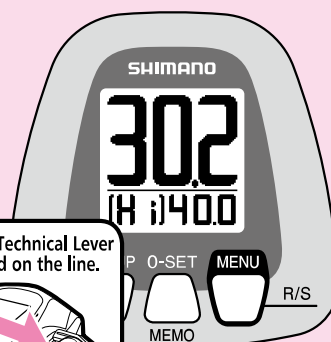
Strike! Reel in!



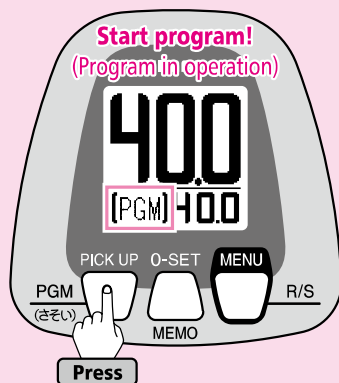
Use the Technical Lever
to wind on the line.

3 If there is a strike, use the Technical Lever to reel the fish in.

※ Once rig retrieval is started using the Technical Lever while the program pattern is running, the program will stop and priority is given to reeling in.



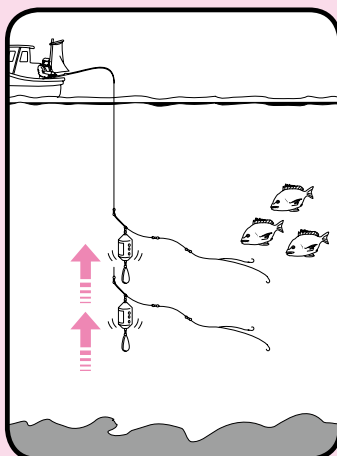
With the fish landed, lower the rig and restart the program pattern again.



- 4** After rig retrieval and gunwale stop, if you want to continue with the same programmed motion, lower the rig to the target depth again.

If you want to change the pattern, set the program from the Menu Screen.

After lowering the rig, press the PGM button and the previously saved action will be repeated.



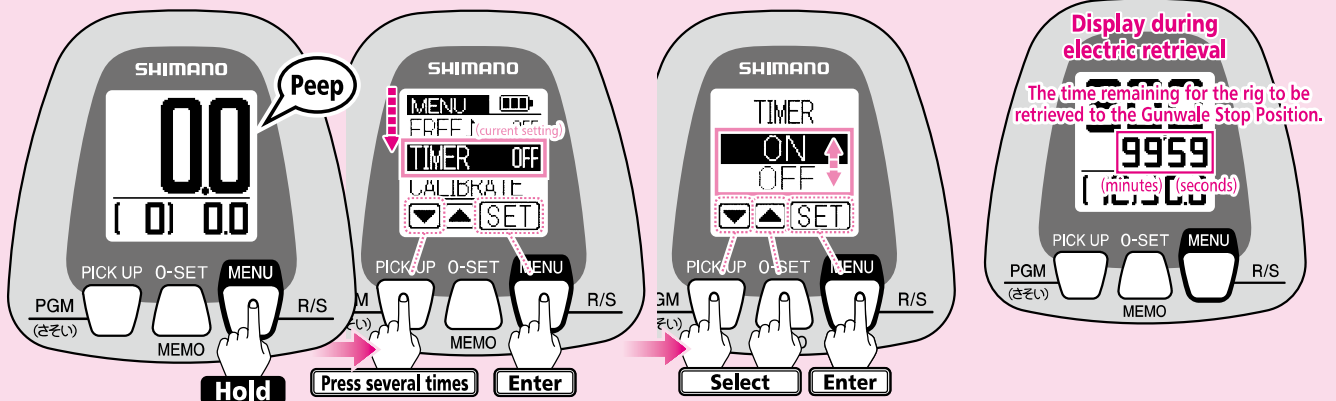
**Press the PGM button.
Program pattern starts again!**

Rig Retrieval Time



When retrieving the rig under power, this displays the time remaining for the rig to be retrieved to the Gunwale Stop Position.

Use the procedure shown below to turn ON this function.



- 1 When the power is turned on, Rig Retrieval Time is set to OFF. The illustration shows the Water Depth Display with Rig Retrieval Time OFF.

At the Water Depth Display press and hold the **MENU** button for 3 seconds and the Menu Screen will appear.

Note: All settings and values shown here are for instructional purposes only. They are not intended to be actual settings or values.

- 2 Press **▼** several times and select **TIMER**.

The current setting appears to the right of the function name.
(Settings shown here are for instructional purposes only.)

Press **SET** to display the Rig Retrieval Time menu.

Use **▼▲** to choose either ON or OFF, then press **SET** to complete the setting.

Please see Pages 12 for details regarding menu button operation.

When retrieving the rig under power, this displays the time remaining for the rig to be retrieved to the Gunwale Stop Position. The display can show a maximum of 99'59' (99 minutes and 59 seconds). For times longer than that the display will flash 99'59'.

Spool Free Mode



Prevents rig from winding up into tip and alerts you to a strike

Spool Free Mode enables two functions—the Overwinding Prevention Function and the Strike Detection Alarm.

1 Overwinding Prevention Function

When free-spool fishing or engaging in other types of low-load angling, the load varies greatly depending on whether a fish is on the line or you are simply retrieving the rig.

Winding learning on an electric reel records the number of rotations at a specific load, so that a large fluctuation in load causes a large error. When a nylon or fluorocarbon line is used together with a line with high elastic stretch, the error becomes even greater. Sometimes the rig will get wound up into the rod tip and may damage the tip.

With Spool Free Mode ON, a program runs to prevent entanglement in the tip, allowing you to relax and safely enjoy fishing. When this program detects a high load on the reel when retrieving the rig, it sets the gunwale stop position at 6m. When the detected load is light, the gunwale stop position is set at 10% of the line length that has been sent out (10m for a 100m line, or 6m at a minimum).

※ Whichever is activated, the numbers shown on the counter will become slightly off from the actual meter count. This function will turn on at a speed of 20 or higher; the rig can sometimes get entangled in the tip when winding up with light loads at speeds of less than 20.

2 Strike Detection Alarm

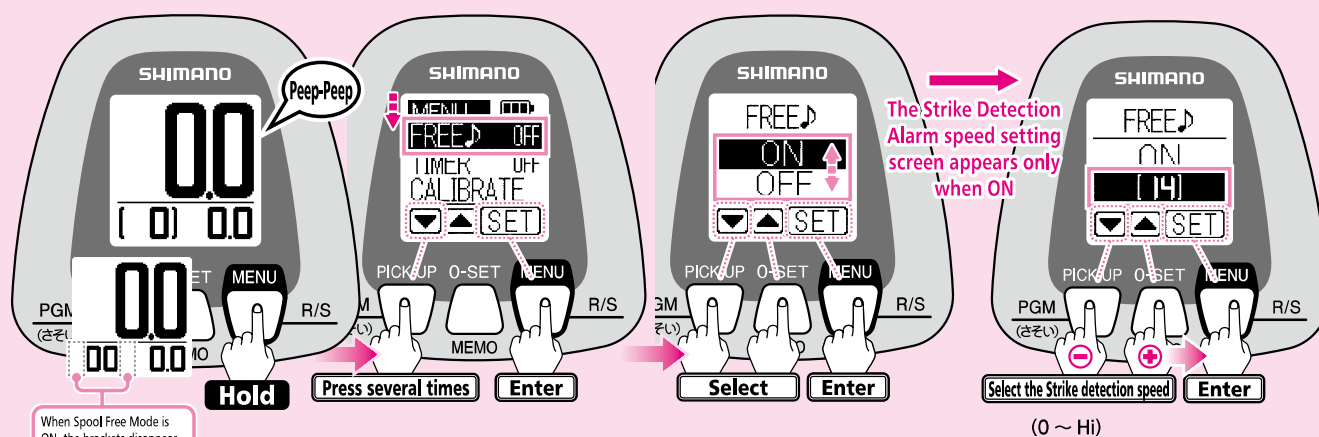
When the line is let out with the clutch OFF, if the line is drawn faster than the set speed, the strike alarm will beep repeatedly for 3 seconds, notifying you of a strike. You can also change the value of this setting. The default setting is OFF.

※ When the motor is off, this function takes effect when the counter display is 20m or higher.

※ To change the set speed, on the Menu Screen turn Spool Free Mode ON and the settings screen will appear. (See next page.)

(Continued on the next page.)

To turn Spool Free Mode ON/OFF or set the Strike Detection Alarm speed



- 1 When the power is turned on, Spool Free Mode is set to OFF. After "Fluoro Learning Mode E2" for Line Learning is completed, Spool Free Mode turns ON automatically.

※ When Spool Free Mode is ON, the brackets on the Water Depth Display disappear.

At the Water Depth Display press and hold the **MENU** button for 3 seconds and the Menu Screen will appear.

Note: All settings and values shown here are for instructional purposes only. They are not intended to be actual settings or values.

- 2 Press **▼** several times and select **FREE** ♪.

The current setting appears to the right of the function name.

(Settings shown here are for instructional purposes only.)

Press **SET** to display the **FREE** ♪ menu.

Use **▼▲** to choose either ON or OFF, then press **SET**.

(See Pages 12 for details regarding Menu Screen operation.)

- 3 When set to OFF, you will return to the Menu Screen and the setting is complete.

Only when set to ON will the screen appear for setting the Strike Detection Alarm speed.

Set the Strike Detection Alarm Speed

Use **▼▲** to increase or decrease the speed, then press **SET**.

※ Can be set from 0 to Hi. (Default setting is 14.)