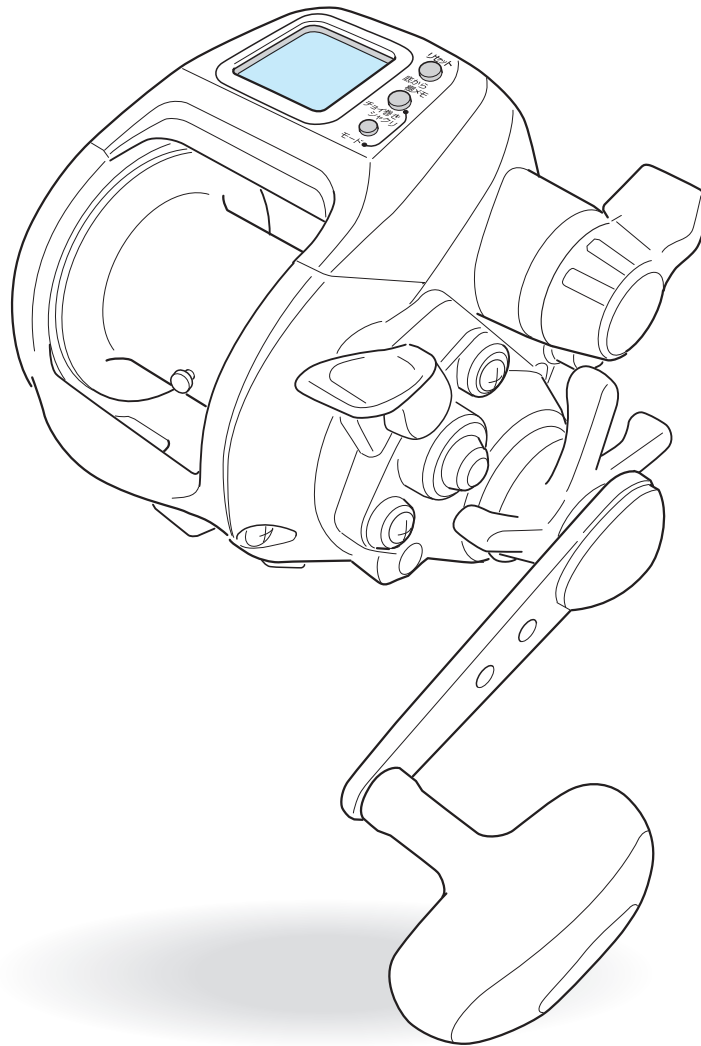


# ***LEOBRITZ 500MM***

## **OPERATING MANUAL**

Thank you for purchasing a LEOBRITZ 500MM. To take full advantage of the reels many useful functions, please read this manual carefully before using. Retain this manual for future reference.



Reference



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## Methods of Inputting Line

I can input this reel by the following method.

### **P1 Inputting the line length** 9,10

This method is used when the line length is known before winding.

### **P2 Inputting line Backing** 11,12






Input method of back line data  
This will require a main line of 100m or longer specific length.

### **P3 Line data reset** 13,14

Method of re-inputting of line values after the main line is originally wound.

# Caution

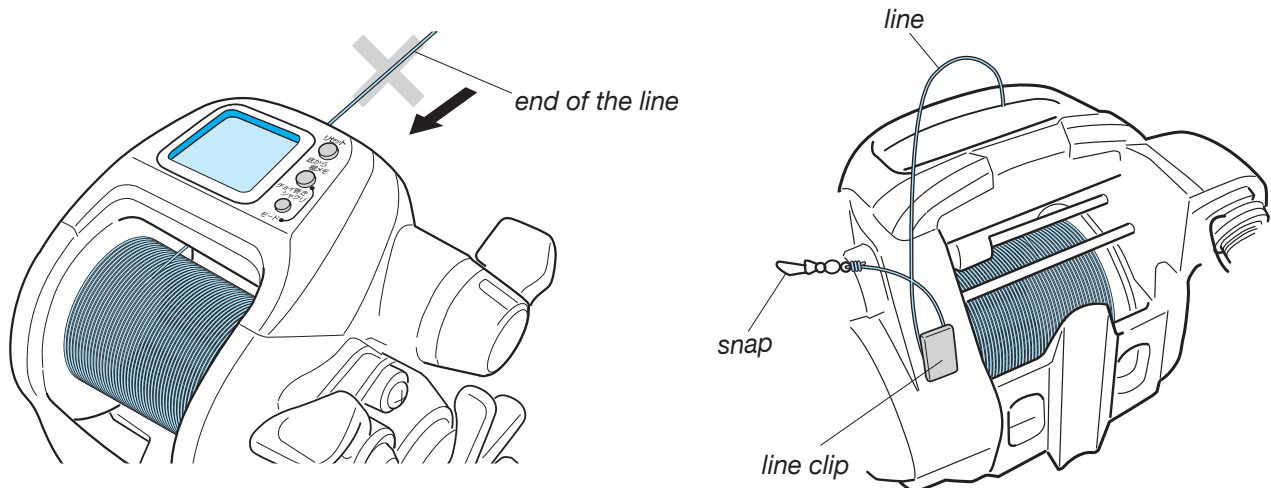
## Precautions

Warning		<ol style="list-style-type: none"><li>1. Be careful to keep fingers clear of the levelwind mechanism. It can pinch your fingers and cause injuries.</li></ol>
	Attention	
		<ol style="list-style-type: none"><li>1. When you use a power source other than the battery or the power source provided by the boat, be sure it is of the proper voltage. Excess voltage will harm the reel and may generate enough heat to burn your hands.</li><li>2. Do not use badly rusted cord to prevent electrical heat.</li></ol>
		<ol style="list-style-type: none"><li>1. Do not touch moving parts while the reel is operating or it may cause injury.</li><li>2. Drag adjustment should only be done with the auto winding functions off.</li></ol>
		<ol style="list-style-type: none"><li>1. Do not disassemble the reel. It could result in malfunction that could damage the reel or cause personal injury.</li></ol>

### Do not reel in the end of the line

DO NOT allow end of line to be wound onto the spool. This may cause synchronization with the levelwind to be lost, a condition that can damage the levelwind due to the reel's high power output. Should this happen, line should be removed from spool and rewind.

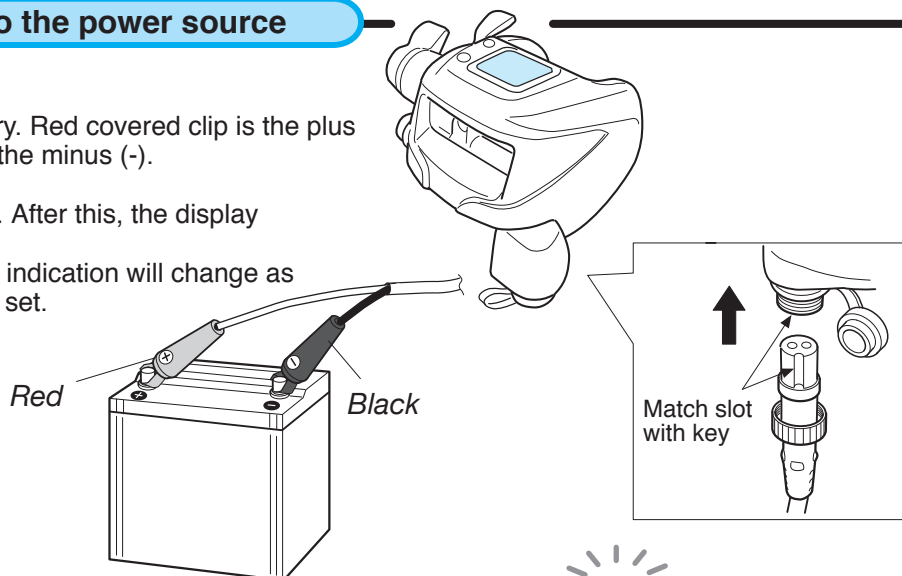
After each trip, attach line to line clip to prevent it accidentally being wound onto reel.



# Power source

## How to connect the reel to the power source

1. Attach the cord clips to the battery. Red covered clip is the plus (+), and the black covered clip is the minus (-).
2. Insert the connector into the reel. After this, the display appears as below.  
By taking the appropriate steps, the indication will change as shown below and the data will be set.



All the articles light

0.5 sec



An indication change



Set completion

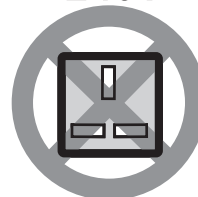


1. When changing batteries, the display's backup memory stays active for about 15 minutes after the old battery is disconnected. Thus the above display startup sequence does not need to replay when the new battery is connected within the 15 minute time frame.

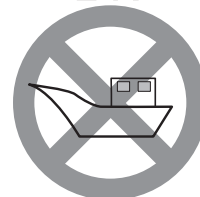
## About the power source

This reel is made to accept DC 12 Volt power only. Power sources providing other than this cannot be used. The power provided by a boat can be unstable, causing the reel to stop unintentionally. Please use a battery made specifically for fishing reels, such as our lithium battery.

240V



24V

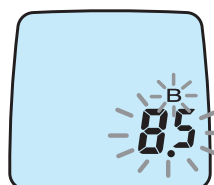


Make sure of the following before departure.

1. Recharge the battery before your fishing trip. Over time, a battery can naturally discharge.
2. Confirm the boat can provide the proper power source (i.e. voltage, connector shape etc).
3. Corroded connections can prevent the flow of electric current. Remove any corrosion or dirt from the connectors.

## Battery indicator

With power on, digits of the inverse counter (counter in the lower area) will blink if voltage gets below DC 9 V. If the display shows this when the motor is not running, then battery voltage is likely to be low. In this case, replace the battery with a recharged one.



This figure shows the voltage is 8.5 V



# Maintenance

## About maintenance

This is a washable reel. Wash away salt residue and grit after fishing

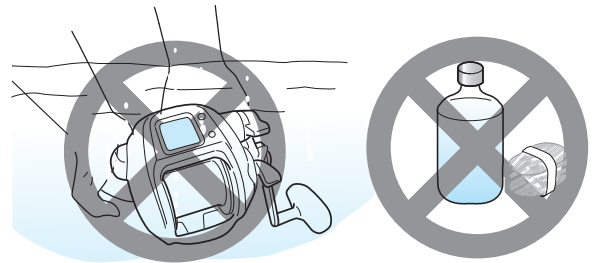
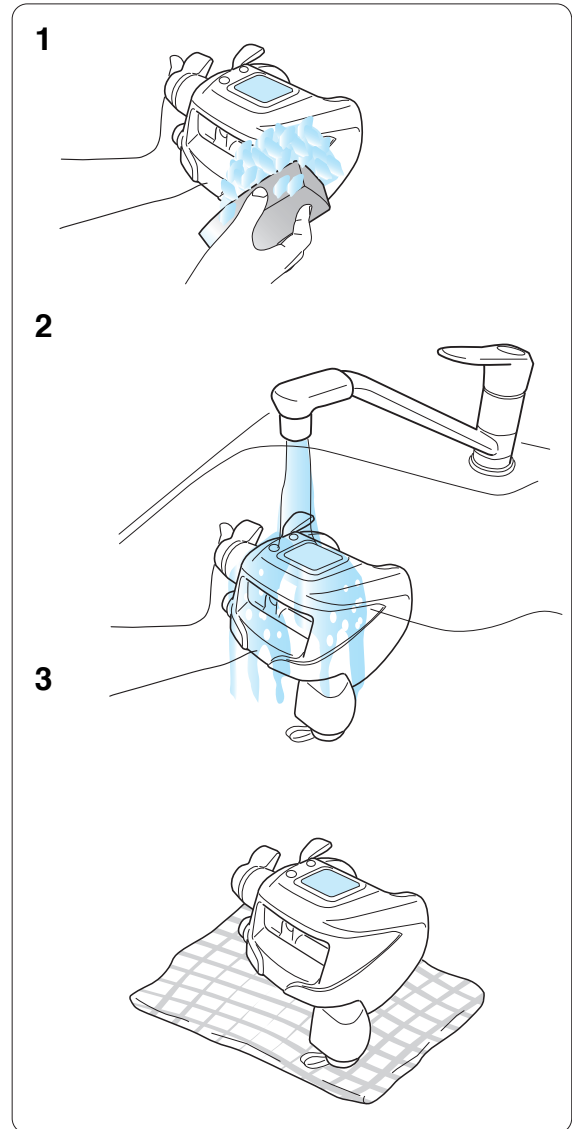
## Maintenance procedure

1. Wash the reel with a dish washing detergent and a soft sponge. Do not use solvents.

Do not use soap or other detergents. Other soaps or solutions may damage the reel both externally and internally. The solution may damage the outside coating of the reel and may breakdown the grease inside of the reel creating an overflow of grease.

2. Rinse detergent and dirt away with running water, rinsing the spool very well to get rid of salt. Use warm water, under 30 degrees centigrade.

3. Dry the reel well.

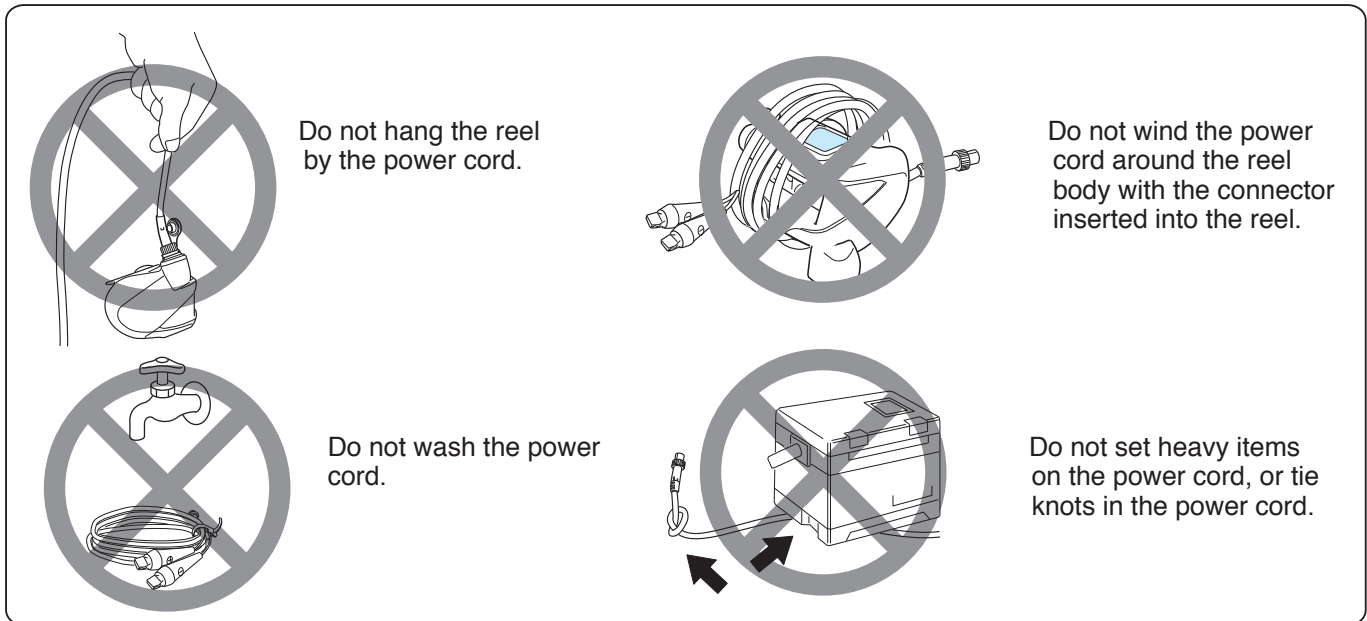


1. Do not submerge the reel when washing.
2. Do not use organic solvents such as benzene and thinner.
3. Do not use a steel brush or abrasive cleanser.

# Maintenance

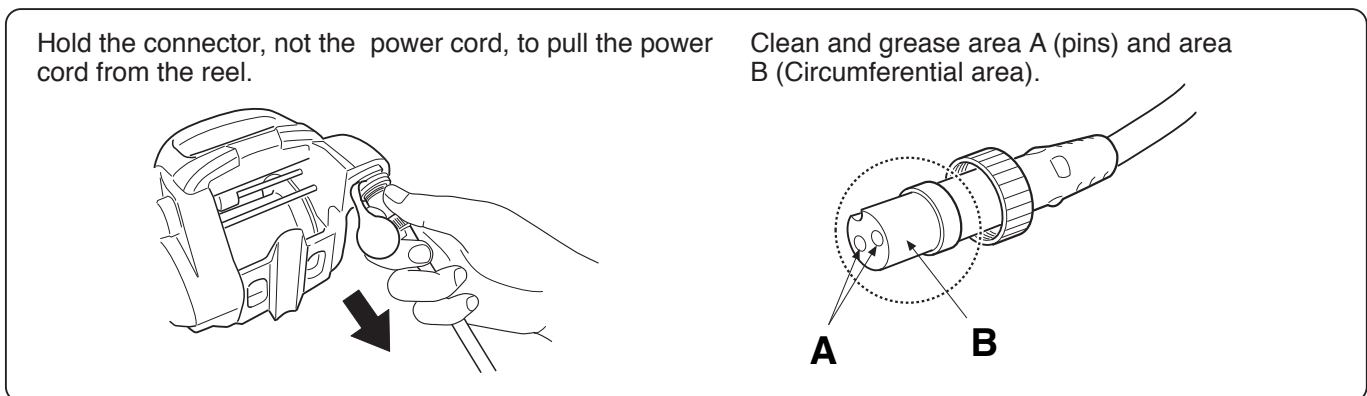
## Handling and maintenance of the power cord

Follow the restrictions below to avoid cord problems. Do not cut or connect your cord by yourself as it can cause unintended problems.



## Maintenance of the power cord

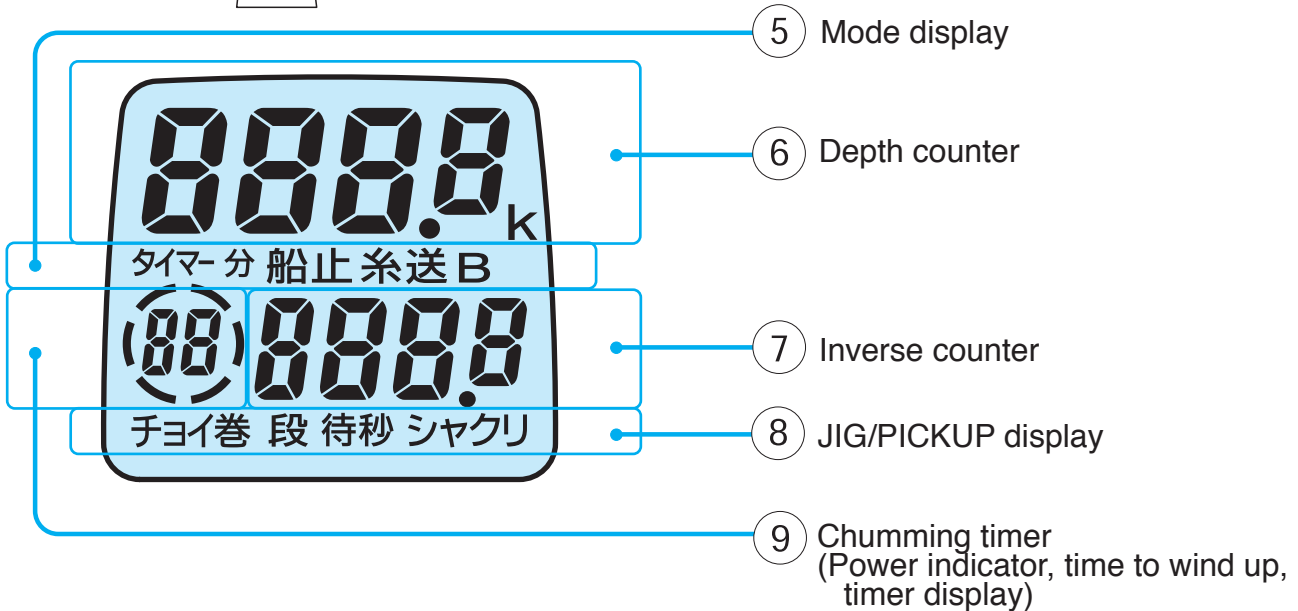
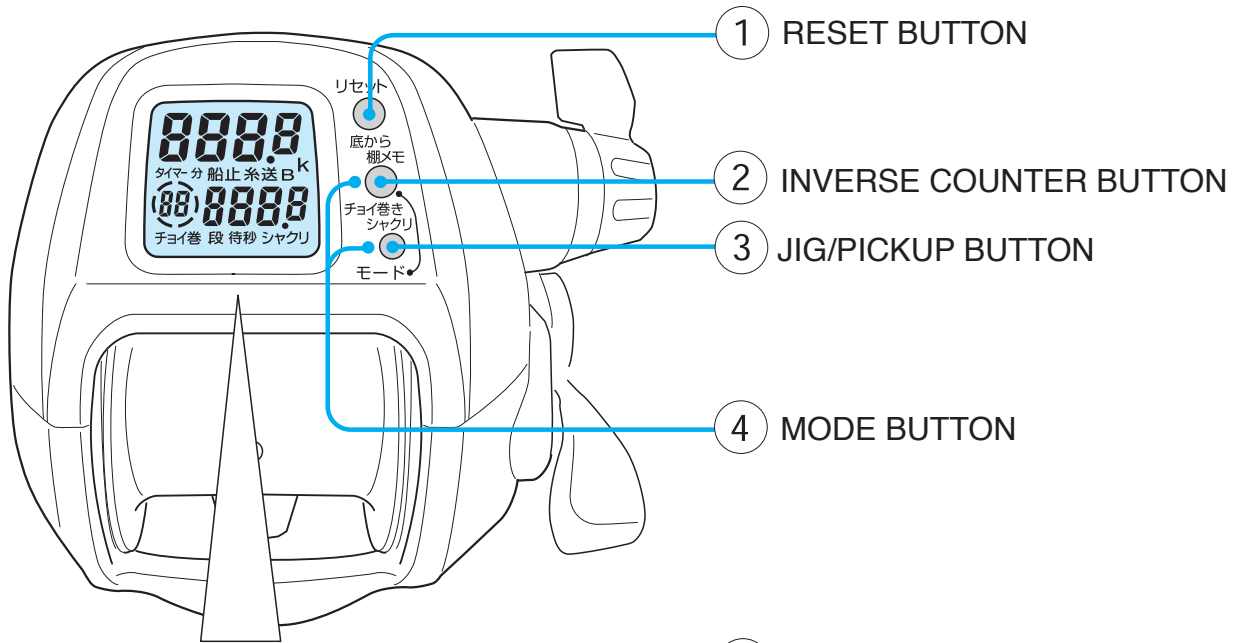
- Wipe the power cord with a wet cloth and dry it well.
- Pay special attention to drying the tips, with cover removed.
- Grease the connector after it is dried.
- Disconnect the power cord from the reel before storing.



## Other maintenance points

- This reel is a precision instrument that employs electric circuitry and motor. Do not disassemble the reel by yourself.
- Cover the power connector on the reel with its protection cap.
- Old or worn cords can cause a bad connection and/or short circuit. Replace the cord every 2 years.

# Names of the buttons and the display



## ① RESET BUTTON

This button resets the depth counter to zero.

Make sure to press this button before you start fishing. The reset depth is used to make the auto stop function work. (display shows 船止 ). The default setting of auto stop is 2 meters.

To prevent mishandling, the **RESET BUTTON** needs to be pressed for 2 seconds in a depth of 10m or more. This prevents accidental resetting. For a total reset, when line has been broken off, press and hold the button for at least 2 seconds.

Do not continuously hold down the reset button. This will prevent any counter errors.

## ② INVERSE COUNTER BUTTON

Pressing this button resets the counter in the lower area of the display.

- It memorizes distance from the bottom, handy for dropping a bait right back into the strike zone after you've been bit.
- The chumming timer resumes after pressing this button.
- Once the button is pressed, it is no longer possible to hide only the INVERSE COUNTER.

# Names of the buttons and the display

## ③ JIG/PICKUP BUTTON

Selection between pickup and jiggling can be done in the mode setting display. (One of them should necessarily be chosen.)

### Pickup

- You can wind only while pressing this button. This function is useful to wind up line slack and attract fish.
- Winding speed can be changed with the mode setting display. (Default setting is speed 15)
- When the winding speed is set to zero, it no longer winds the line when the button is pressed. The counter no longer displays チヨイ巻 PICKUP either.

### Jiggling

- Jiggling can be ON/OFF.
- Pressing this button starts jiggling. (Display shows )
- Pressing the button again stops jiggling.
- When a fish is caught during the PICKUP operation, the PICKUP function turns off if the Power Lever is pulled all the way (OFF) and it returns to the normal winding function if it is pushed all the way.

## ④ MODE BUTTON

Press the **MODE BUTTON** to scroll through the adjustment displays for each reel function.

- Use the Power Lever to adjust numeric values.
- Pressing the **MODE BUTTON** sets the numeric values you have adjusted.
- Depress and hold the **MODE BUTTON** to return to the depth display.
- Mode change cannot be done while line is being fed.
- Once it is set, it is not necessary to reset it for the next outing.

## ⑤ Mode display

- This display allows you to change setting of each function.
- To display the mode setting screen, press the **INVERSE COUNTER BUTTON** and the **MODE (JIG/PICKUP) BUTTON** simultaneously for 2 seconds.
- The functions that are set to work are shown on the display.

Display	Function
<span style="border: 1px solid black; padding: 2px;">チヨイ巻</span>	While the button is pressed for PICKUP setting, it winds up automatically.
<span style="border: 1px solid black; padding: 2px;">シャクリ</span>	Pressing the <b>JIG/PICKUP BUTTON</b> makes the function work. Pressing the button again stops it.
<span style="border: 1px solid black; padding: 2px;">タイマー</span>	Chumming timer starts working.
<span style="border: 1px solid black; padding: 2px;">糸送</span>	Auto Line feeding is employed. Default setting is off.
<span style="border: 1px solid black; padding: 2px;">船止</span>	Pressing the <b>RESET BUTTON</b> makes this indicator appear, telling you auto stop will work.
<span style="border: 1px solid black; padding: 2px;">B</span>	It blinks when the power is low. (B does not appear even if the MODE button is pressed.)

## ⑥ Depth counter

- It shows the depth from the surface.

## ⑦ Inverse counter

- This counter shows the depth from the bottom (or a certain depth).
- The shelf at which the Live line alarm has sounded will be indicated in blinking while Live line mode is ON.
- Once this counter is turned on, its display cannot be turned off.

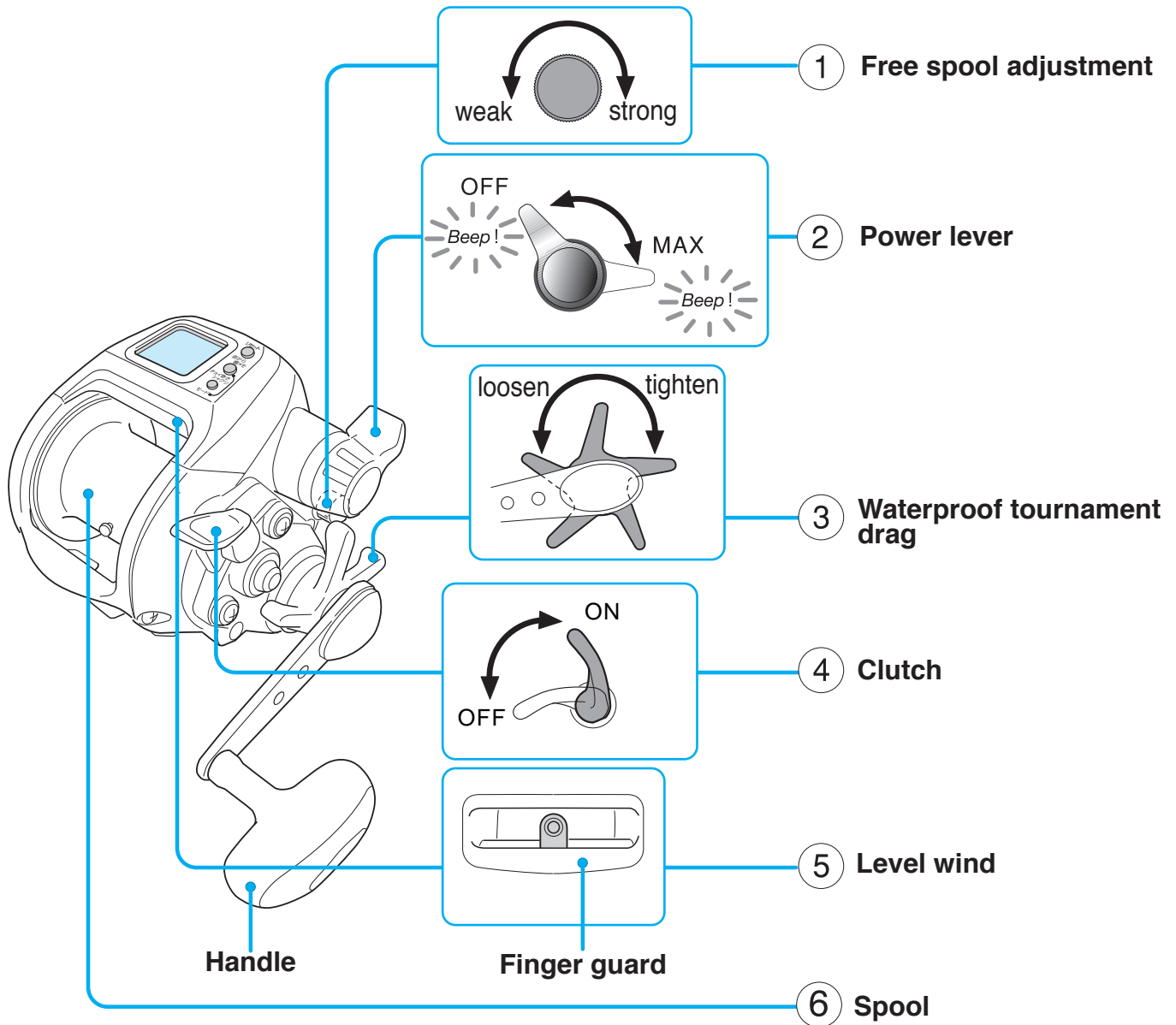
## ⑧ JIG/PICKUPdisplay

- It is used to set JIG/PICKUP functions.

## ⑨ Chumming timer (Power indicator, time to wind up, timer display)

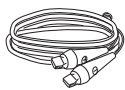
- The chumming timer appears when motor rotation is stopped. The timer display cannot be set to OFF.
- Indicates winding speed (winding power) while the motor is running.
- The chumming timer display does not disappear.

# Names and functions of each part

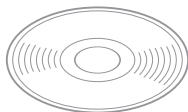


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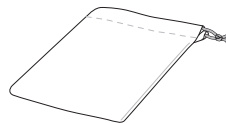
## 7 Enclosed items



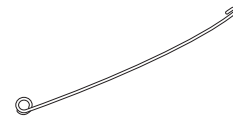
Power cord



Manual CD-R



Storage bag



Levelwind threader

# Names and functions of each part

## 1 Free spool adjustment

- It adjusts brake tension on the spool to prevent backlash or line slack caused by dropping the line with hook and sinker.

## 2 Power lever

- You can freely adjust winding power, or winding speed, from zero(ON/OFF) to maximum, by 32 steps, by using the lever.
- Tilting the lever forward adds power and speeds up the winding.
- Pulling the lever back slows down the winding.
- Without the lever positioned to OFF, it is impossible to start winding. You have to pull it back to the OFF position before you start winding. An audible sound indicates the OFF position.
- The power lever is used to set numerical values on the various function displays.
- Around the stop position at the boat edge, the power lever may not work for safety reasons.

## 3 Waterproof tournament drag

- Adjusting the star drag allows the spool to slip against a strong pull to avoid line breakage.
- (1) Adjust the drag while reel is on the rod and the line is strung through all the line guides.
- (2) Adjust drag with the clutch ON, while pulling the line with your hands. Normally, the drag is adjusted to prevent the weakest line in the line system from breaking.
- When pulling out the line, protect your hand with a towel or a glove to pick up the line.

## 4 Clutch

- Turning the handle automatically engages the clutch.
- ON position > line winding can be done.
- OFF position > spool is free-turning to let out line.

## 5 Levelwind

- The levelwind distributes line evenly on the spool as you wind it in.  
(Under some special circumstances line may not wind evenly because of the clearance between the levelwind and the line.)
- Be ware of line moving left to right as it is being wound.  
To avoid injury, be careful not to catch your fingers, etc.

## 6 Spool

- Wind up the line.

## 7 Enclosed items

- Power cord
- Manual CD-R
- Storage Bag
- Levelwind threader (This tool simplifies threading line through the levelwind.)

# Line data input (When line length is known)

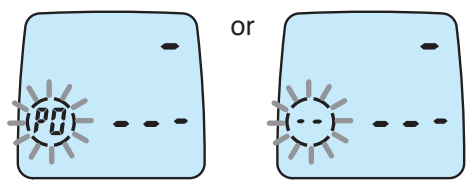
This method is used when the line length is known before winding. In the example below, PE 6 – 280m is wound.

1. Run line through the levelwind guide and tie it onto the spool. The levelwind threader makes this process easier. Make sure to tie the line onto the pin found on the spool to avoid the line slipping.
2. Move the power lever to the OFF position.
3. Connect the clip to the power source (12V DC).
4. Attach the cord connector to the reel. See in page 2 for the connection method.
5. Press the **INVERSE COUNTER BUTTON** and the **MODE (JIG/PICKUP) BUTTON** and hold for 5 seconds, until the display shows 0.0.

-Keep on pressing the button even after the alarm is activated in two seconds and a line-feeding display appears in five seconds.

6. An initial display appears. (The PE6-300m display appears.)

-The following display appears depending on the entry method.



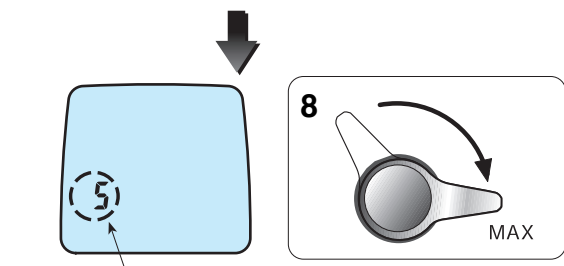
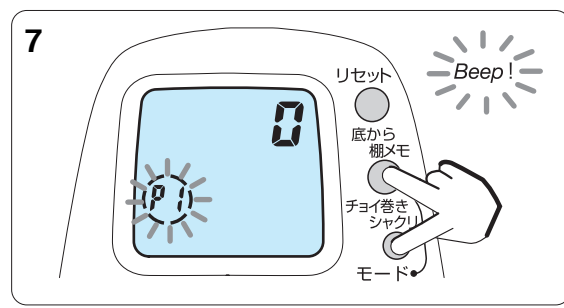
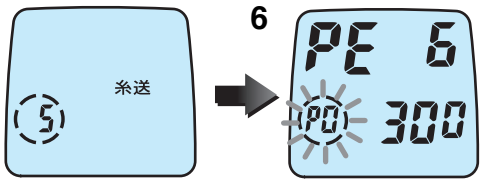
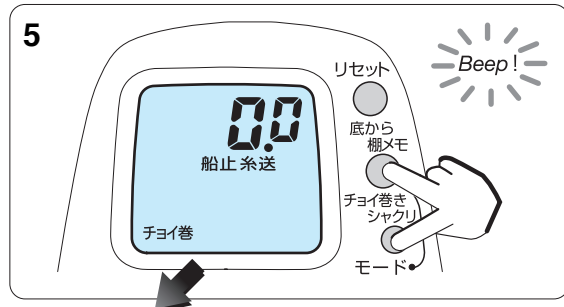
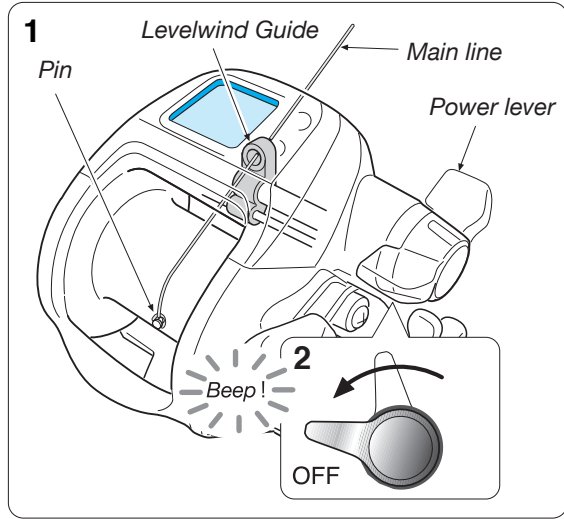
Please skip this indication, it concerns standard line only in Japan.

7. Press the **INVERSE COUNTER BUTTON** and the **MODE (JIG/PICKUP) BUTTON** once to move to the line length input mode. P1 will be flashing.

8. Push the power lever forward to maximum and wind the line to its end. As the power lever is moved forward, the P2 display changes to a tension indicator. Keep line tension between level 4 and 5 while winding on line.

-Reeling in the line increases the upper counter value.  
-It displays the rotation of the spool.

-Do not allow line to rub against the finger guard while winding as it will scratch the guard.

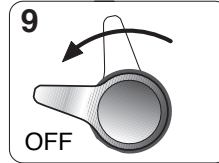


Tension indicator

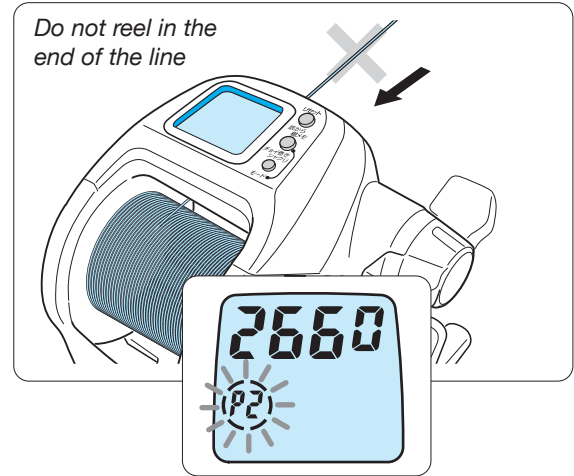


# Line data input (When line length is known)

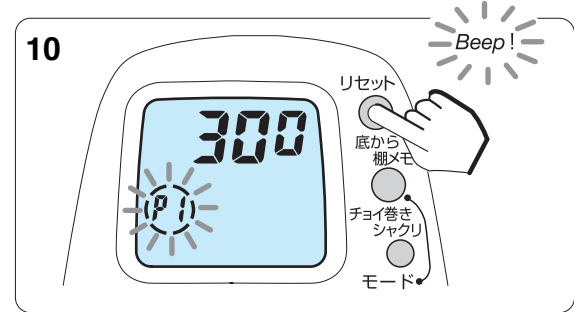
9. Pull the lever back to the OFF position, after winding.



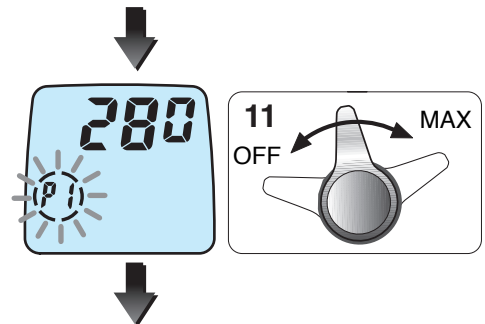
1. Do not wind the end of the line onto the spool because it causes incorrect length calculation. Move the power lever to OFF position, and wind manually when nearing the end of the line.



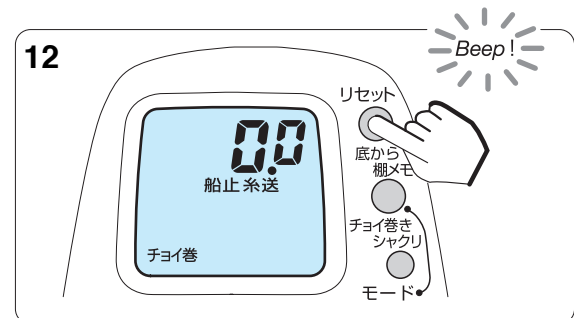
10. Press **RESET BUTTON** for 2 seconds, until the display shows 300.  
(300 is the default setting)



11. Enter the line length with the power lever. (in the figure on the right, line length is 280 m).



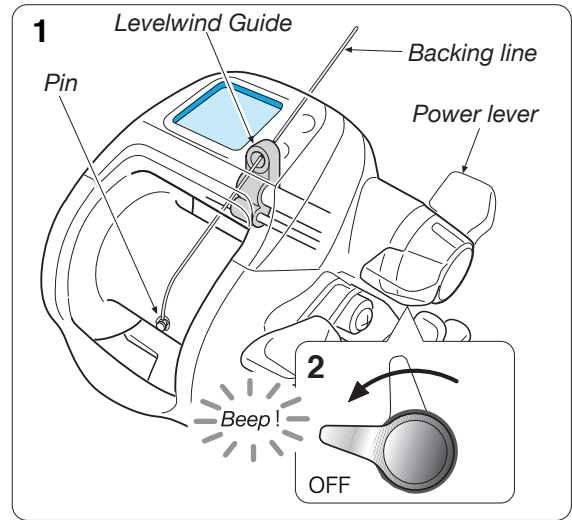
12. Press **RESET BUTTON** for 2 seconds and a beep will be heard. The display should return to 0.0, completing the setting procedure.  
If "Err" appears on the display, you must use the **MODE BUTTON** to re-enter the data.



# Line data input (With backing line)

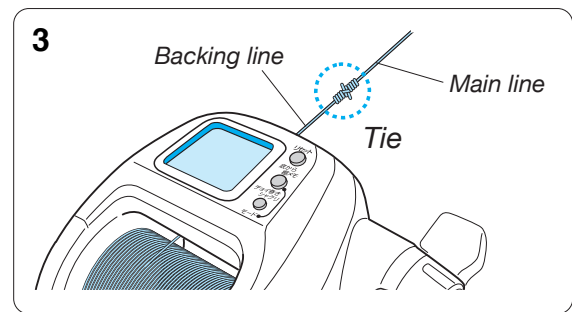
This method requires use of Daiwa braided line that is color coded to show length and has a total length greater than 100 m.

1. Run the backing line through the levelwind guide and tie it onto the spool. The levelwind threader makes this process easier. Make sure to tie the line onto the pin found on the spool to avoid the line slipping.



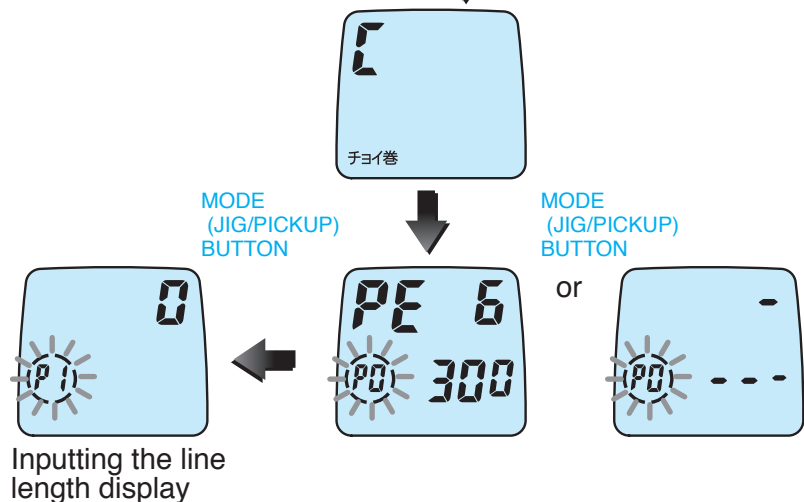
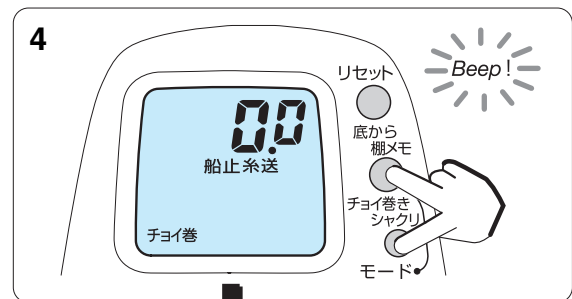
2. Wind the backing line.  
- When the Power Lever is not positioned to OFF, pull the Lever to OFF once and then push it again to turn it on.

3. Tie the main line tightly.



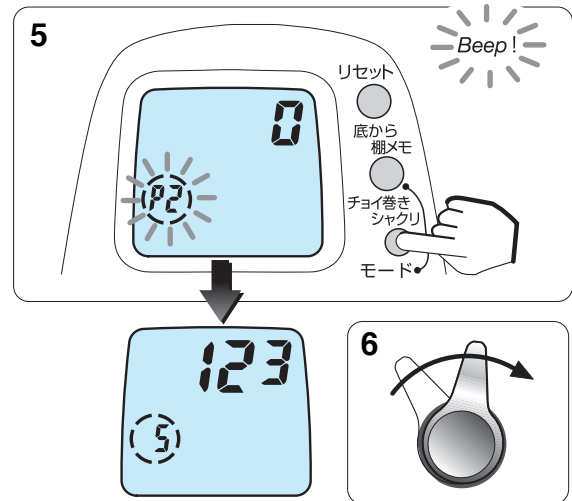
4. When the display shows 0.0, press the **INVERSE COUNTER BUTTON** and the **MODE (JIG/PICKUP) BUTTON** simultaneously for 5 seconds.

- The display shows PICKUP mode in 2 seconds. When the buttons are continuously held down, it shows the main line setting screen with **PO** blinking. If the **MODE (JIG/PICKUP) BUTTON** is pressed next, **P1** blinks.



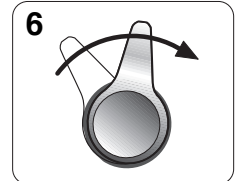
# Line data input (With backing line)

5. When the display shows the line length setting screen, press the **MODE (JIG/PICKUP) BUTTON** one more time. It displays the backing line setting screen.  
**P2** will be blinking.



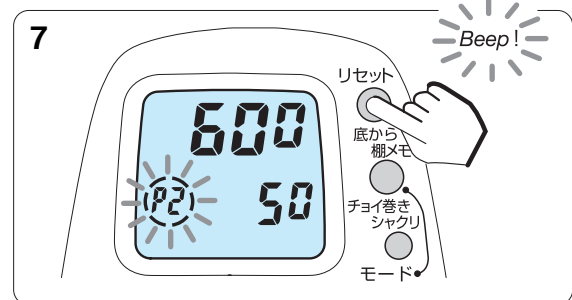
6. Adding tension, wind the main line until the 100m remains, while paying attention to the line's color.

When the Power Lever is turned, **P2** on the lower left side of the screen changes to show tension, counting up the numbers. Adjust the tension until the figure on the lower left side of the screen stays between 4 and 5.



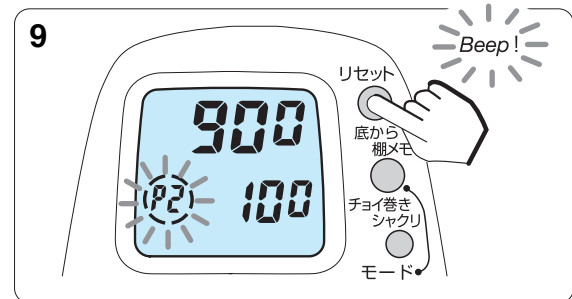
If the line is wound indoors at a low speed and with a high tension for a long period of time (\*1), the motor will be overheated, which may cause motor failure. Tilt the power lever to the MAX position before inputting a value. This issue does not need to be considered during fishing because the motor will be cooled by sea water.  
 (\*1) If the line is wound continuously for 10 minutes, the motor overheat prevention function will start to work, which will stop the motor. In this case, the display will start to blink and any operation will become unavailable for 5 minutes. When the countdown display on the chumming timer indicator area reaches "4→3→2→1→0" (min.), a beep will sound and data inputting will become available again from the state immediately before the motor stoppage.

7. Press **RESET BUTTON** for 2 seconds.  
**P2** blinks and the counter on the lower side shows 50.



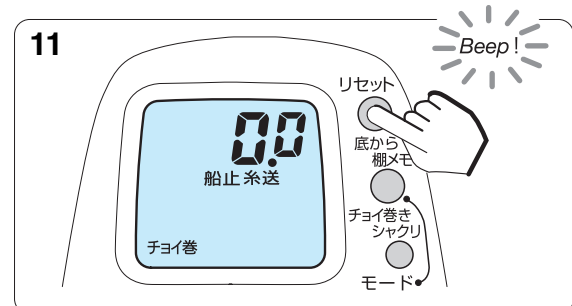
8. Adding tension, wind the main line until the 50m remains, while paying attention to the line's color.

9. Press **RESET BUTTON** for 2 seconds.  
 The lower counter shows 100.



10. Adding tension, wind the main line until the 50m remains, while paying attention to the line's color.

11. Press **RESET BUTTON** for 2 seconds and 0.0 will appear.  
 This is the end of the procedure.



1. Do not wind the end of the line onto the spool because it causes incorrect length calculation. Move the power lever to OFF, and wind manually when nearing the end of the line.

Should "Err" appear on the display, then use the **MODE BUTTON** to re-enter the data.

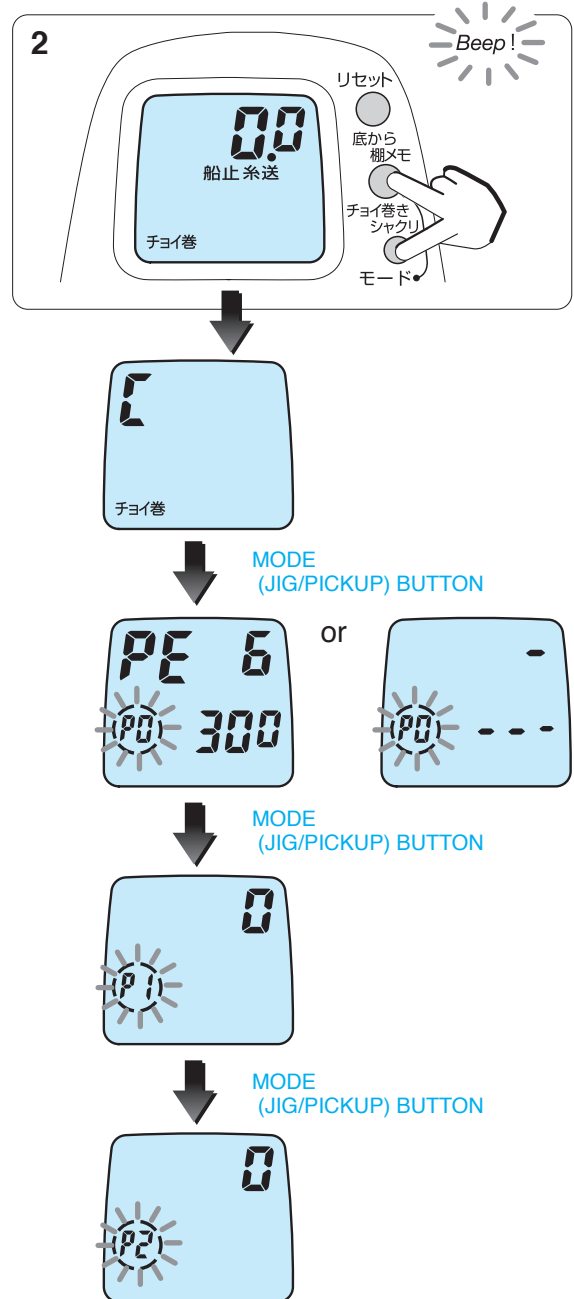
# Line data input (Inputting the drawer)

This method is used for data re-input which is to be made after the main line is wound on to the spool. This method requires a main line of 100m or longer specific length.

1. Turn on the electricity.

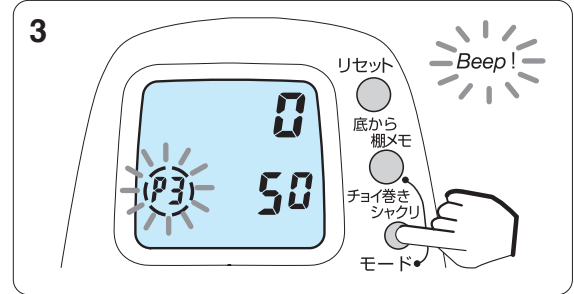
2. Press the **INVERSE COUNTER BUTTON** and the **MODE (JIG/PICKUP) BUTTON** simultaneously for 5 seconds.

- Keep on pressing the button even after the alarm is activated in two seconds and a line-feeding display appears in five seconds. This changes the display to the line setting mode. Then, press the **MODE BUTTON** so that **P1** starts blinking.



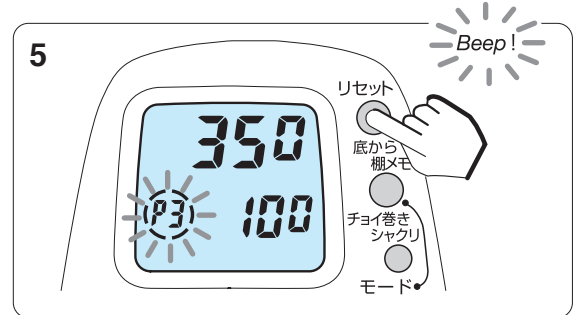
# Line data input (Inputting the drawer)

3. Press the **MODE (JIG/PICKUP) BUTTON** until the display shows the backing line setting screen 2.  
P3 will be blinking.



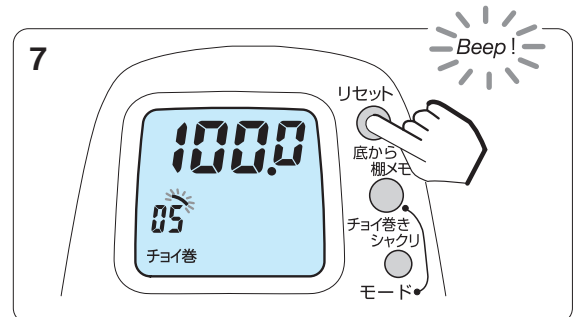
4. Pull an additional 50m of line from the spool.

5. Press the **RESET BUTTON** for 2 seconds.  
This will show the digits 100 in the lower area of the counter.



6. Pull an additional 50m of line from the spool.

7. Press the **RESET BUTTON** for 2 seconds to show 100.0 on the upper counter.



8. Wind up the 100m of line you pulled from the reel. This completes the procedure.



**Attention**

1. Do not wind the end of the line onto the spool because it causes incorrect length calculation. Move the power lever to OFF, and wind manually when nearing the end of the line.
2. Braided lines less than 10lb. test can not be inputed.

Should "Err" appear on the display, then use the **MODE BUTTON** to re-enter the data.

# Functional setting operation (1. Mode setting display)

## How to set the many functions available

1. There are many useful functions in the mode
2. Use the power lever to change numerical values on the setting displays for each function. Complete your adjustments and lock in the values by pressing the **MODE BUTTON**.

1. Hold down the **INVERSE COUNTER BUTTON** and the **MODE (JIG/PICKUP) BUTTON** simultaneously for 2 seconds.

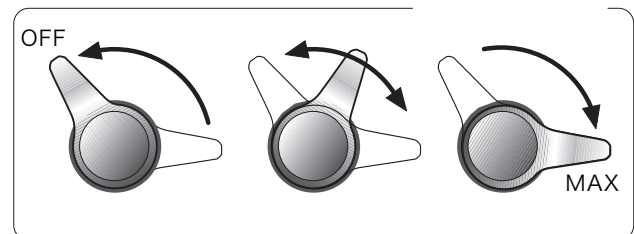
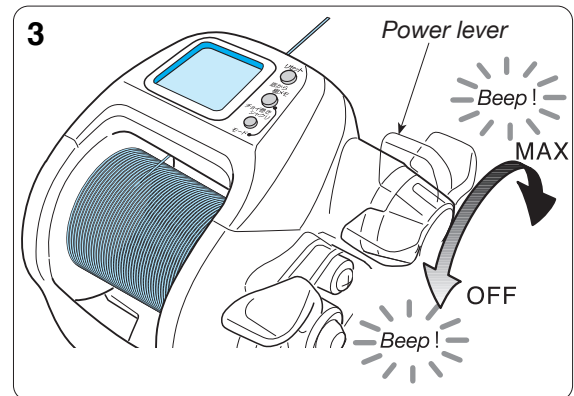
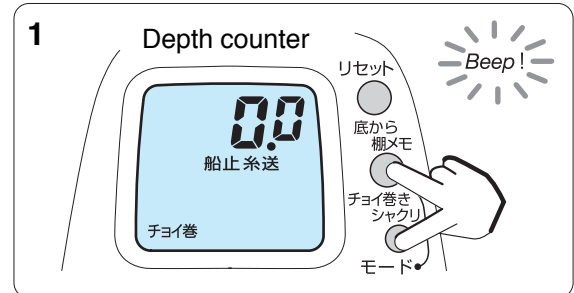
2. Press the **MODE BUTTON** to choose a display.

Each press of the **MODE BUTTON** changes the display to the next function.

- Holding the **MODE BUTTON** down, rapidly scrolls through the displays, quickly getting you back to the depth display.
- At each mode setting display, the default setting can be retained by pressing the **RESET BUTTON**.
- Once the functions are set, the memory is maintained until the next use.

3. Use the power lever to set numerical values.

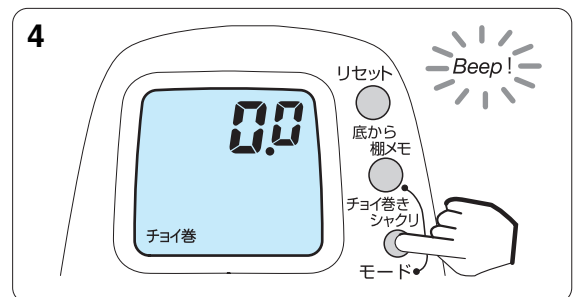
At its **MAX** position, numbers count upward rapidly. At the **OFF** position, numbers count downward rapidly. Around mid position, numbers change at a slower pace.



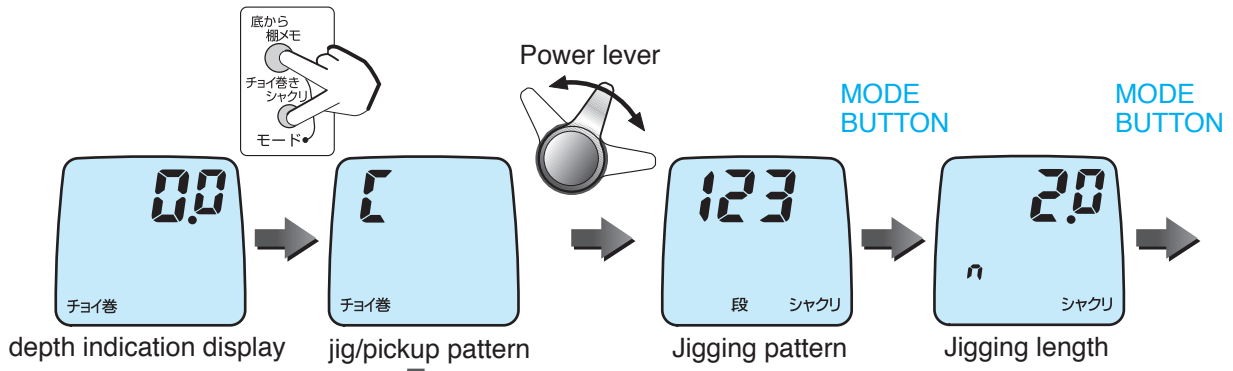
4. Press **MODE BUTTON** to complete the setting.

Pressing the mode button locks in the values you have set and moves on to the next display. Depress and hold the **MODE BUTTON** to rapidly scroll back to the depth counter screen.

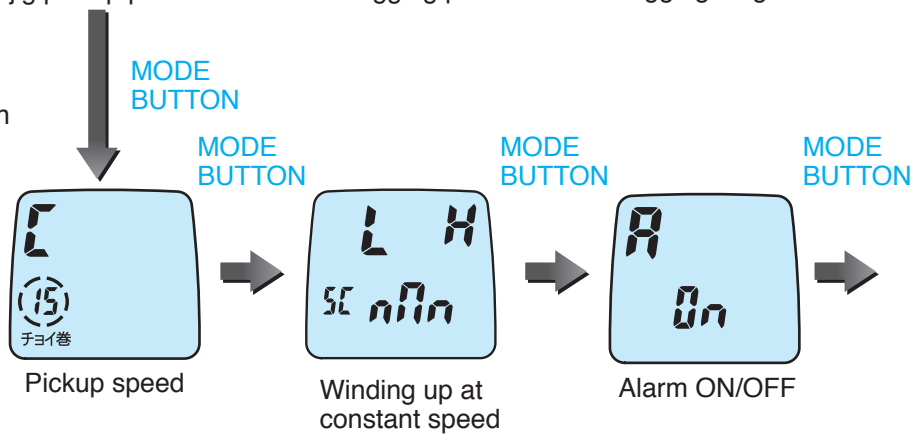
Pressing the **RESET BUTTON** at a setting display returns numbers to their default values.



# Functional setting operation (1. Mode setting display)

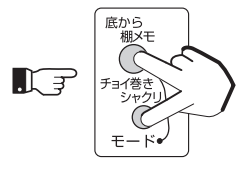


Note) When the **JIG/PICKUP** **BUTTON** is set to JIGGING, the JIGGING pattern selection screen is displayed first.



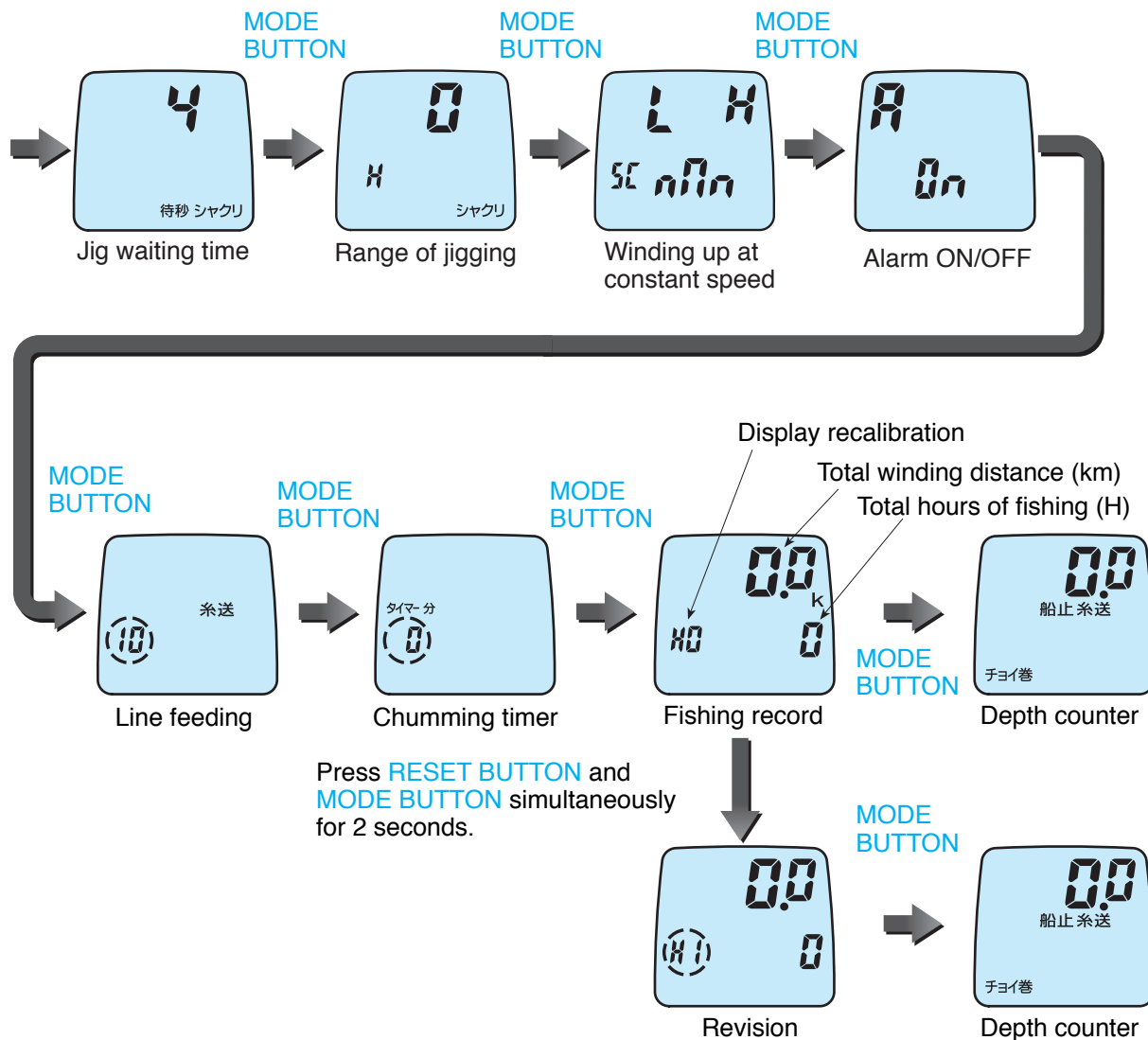
**INVERSE COUNTER BUTTON** and **MODE (JIG/PICKUP) BUTTON**.

Note) This button operation is indicated as the figure on the right.





# Functional setting operation (1. Mode setting display)

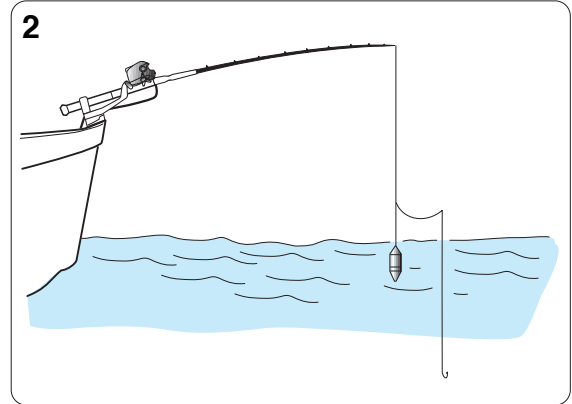


# Functional setting operation (2. Before you begin fishing)


## Surface depth setting

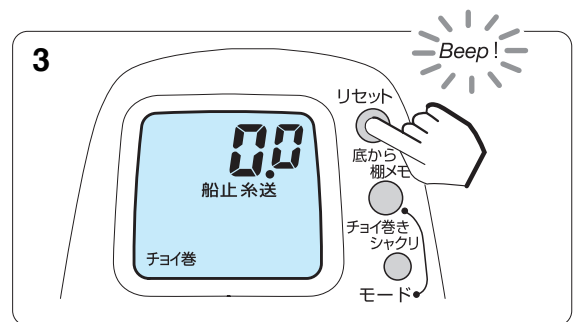
Before you begin fishing, make sure the counter is set to zero at the water's surface. This is extremely important to ensure accurate fishing depth readings.

1. Connect the reel to the battery, put the line through all the guides, and prepare your terminal rig.
2. Place the rod into the rod holder in the position it will normally rest while fishing.



3. Lower the terminal rig to the water's surface and press the **RESET BUTTON**. (water surface zero setting)

The display shows 0.0m and the sign  blinks.



**Attention**

1. When new line is wound up, or when line has been pulled under heavy tension, line stretch may cause a gap in the depth reading at the surface. Simply reset the surface setting with the **RESET BUTTON**.

## When the main line is cut or broken off.....

- Should your line break, revise data as follows.
- Wind the line to the rod tip, and press the **RESET BUTTON** for 2 seconds. (At depths greater than 10 m, 2-second-pressing is employed accidental pressing of the button.) If the display shows 0.0 then your re-adjustment is complete and data has been revised.
- Unless you reset the data on the reel, it will not be able to count accurately.

# Functional setting operation (3. Auto stop function)

## Auto stop

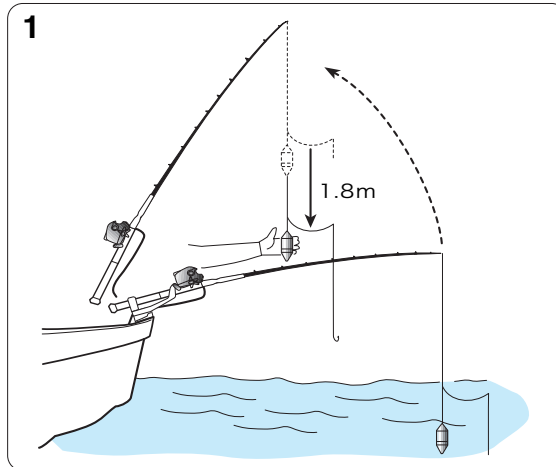
The Auto stop depth may be set to meet your own specific needs.

- In the electric winding mode, the winding stops automatically at a preset auto stop depth.
- After the rig is ready, reset the depth counter to zero by pressing the **RESET BUTTON**.  
(water surface zero setting) (After this, 船止 appears on the display)
- Without pressing the **RESET BUTTON**, winding stops at a depth of 5 m.
- If you have pressed the **RESET BUTTON**, the alarm sounds at 2m increments above the depth of 8 m, and winding stops at 2 m.
- When the stop depth is set by pressing the **MODE BUTTON**, the alarm sounds every 2 m above the depth of 6 m, and winding stops at the set depth.
- After auto stop stops winding, the power lever can be used up to 0.0 m. However, above 0.0 m, motor winding such as, power lever and PICKUP, cannot be employed until the **RESET BUTTON** is pressed.
- Depending upon the rocking of the boat or sinker weight, auto stop depth can overrun slightly. Should this happen, increase the depth of the auto stop.
- When load against the rod changes significantly at a depth of 100m or more, the rig may be caught in the rod, causing damage, due to imprecise setting of the stop position. When this is the case, allow sufficient length when setting the stop position.
- The length of the customizable boat edge auto stop function can be set every 10cm from 1m to 5m from the reset point (point set at 0.0).
- Line stretch can cause an inaccurate reading at the surface. Simply reset the counter to zero at the surface.

## Auto stop setting

1. Raise the rod and adjust the line length from the rod tip so you can reach the rig easily. In the figure, its length is 1.8 m.

- The length of the customizable boat edge auto stop function can be set every 10cm from 1m to 5m.



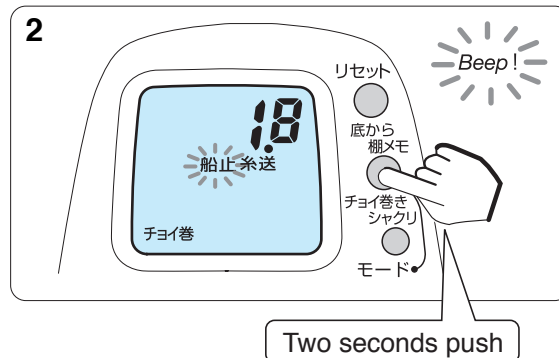
Checking and changing sinkers, baits etc.

Use

2. At that position, hold down the **INVERSE COUNTER BUTTON** for about 2 seconds.

When it blinks, this procedure is completed.  
Default setting is 2.0 m.

The 船止 in the display will flash when the setup has been completed.



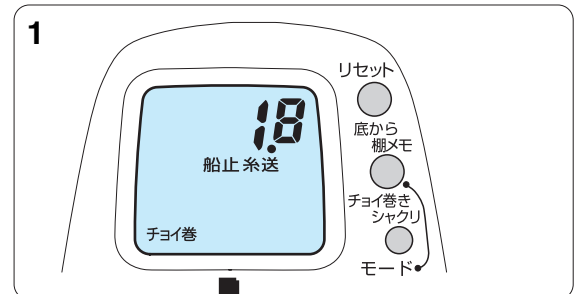
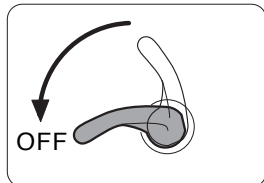
# Functional setting operation (4. Inverse counter)

## Inverse counter

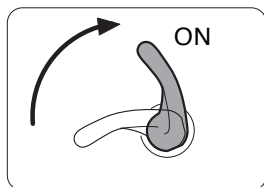
Two counters are better than one. This reel has counters from both the surface and from the bottom.

In the following example, intended fishing range is 100 m, which is 6 m from the bottom.

1. Clutch OFF to send the rig to the bottom



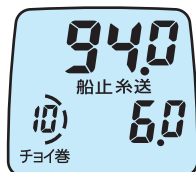
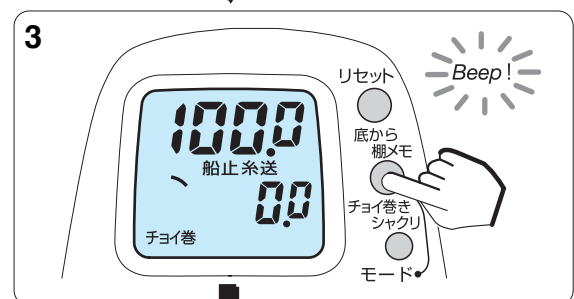
2. At the bottom, move the clutch to ON by turning the reel handle or flipping the clutch lever.



3. After winding up any slack line, press the **INVERSE COUNTER BUTTON** and wind up 6 m.

By pressing the **INVERSE COUNTER BUTTON**, the lower area counter is reset. Wind line until the intended depth is reached.

The timer also starts counting up from 0.



Use

By pressing the **INVERSE COUNTER BUTTON**, the timer starts and keeps an accurate record of fishing time.

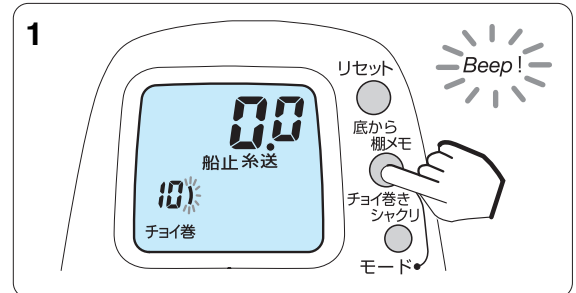
# Functional setting operation (5. Winding up Mode at Constant Speed)

## Winding up Mode at Constant Speed

Normally, winding slows down when load is applied to the reel, but with this Winding up Mode at Constant Speed, it is possible to wind the line up at preset constant speed regardless of the load applied to the reel.

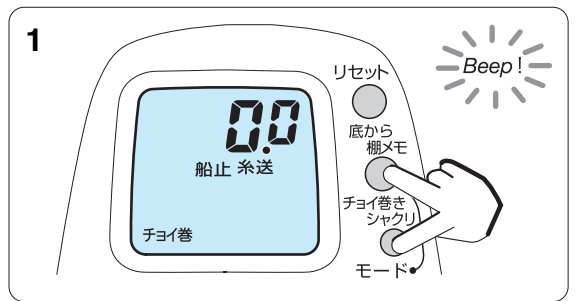
1. To set to the Winding up Mode at Constant Speed, press the **INVERSE COUNTER BUTTON** for 2 seconds while winding up the line automatically.

- It maintains the winding speed constantly even when load is applied to the reel.
- The alarm sounds and the frame around the number blinks.
- The Winding up Mode at Constant Speed is cancelled with the Power Lever.

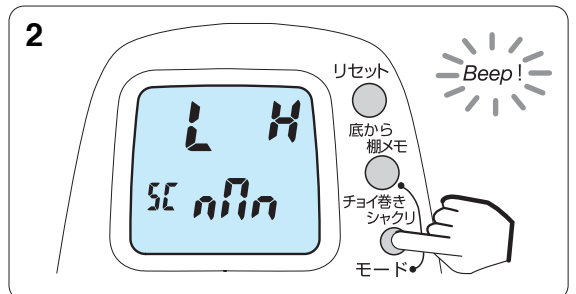


## How to change the motor output

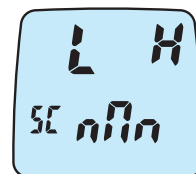
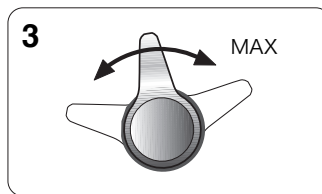
1. Hold down the **INVERSE COUNTER BUTTON** and the **MODE (JIG/PICKUP) BUTTON** simultaneously for 2 seconds.



2. Press the **MODE (JIG/PICKUP) BUTTON** until the display shows the Winding up Mode at Constant Speed.

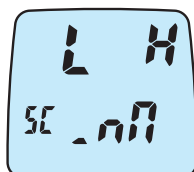


3. Change the output with the Power Lever.

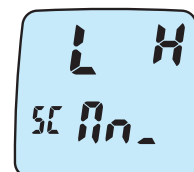


Preset value

Increasing the fluctuation of the motor output  
- When fishing fast-moving fish with a thick leader line.



Decreasing the fluctuation of the motor output  
- When fishing alert fish with a thin leader line.



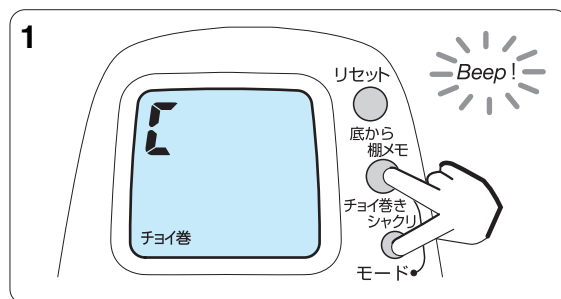
# Functional setting operation (6. Jigging)

## Jigging

Jigging is an extremely valuable function.

1. Press the **INVERSE COUNTER BUTTON** and the **MODE (JIG/PICKUP) BUTTON** simultaneously for 2 seconds until it shows **チョイ巻** the JIG/PICKUP screen.

- When jigging is chosen, the pickup function cannot be used.
- It is preset to the PICKUP mode.



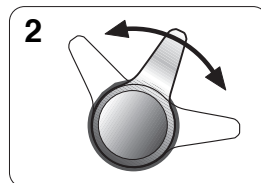
Jig/pickup

2. Jigging pattern is selected with the power lever.

There are four patterns; 123 (master), 1 step, 2 steps, 3 steps.

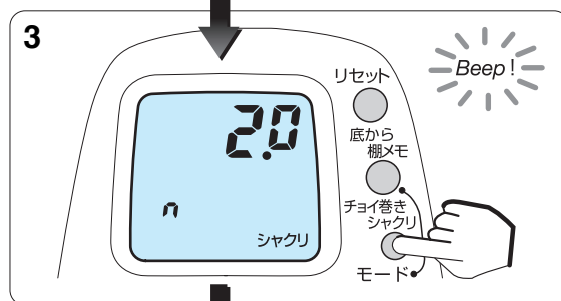
Jigging setting displays appear in the following order;

Pattern (段) → length (n) → waiting time (待秒) → Range(H), accordingly.



Jigging pattern

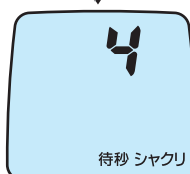
3. Press **MODE BUTTON** to show the next display. Pressing it also locks in the previous setting.



Jigging distance

4. In the same manner, set length, waiting time.

- Pressing and holding the **MODE BUTTON** will quickly scroll you back to the depth counter display.



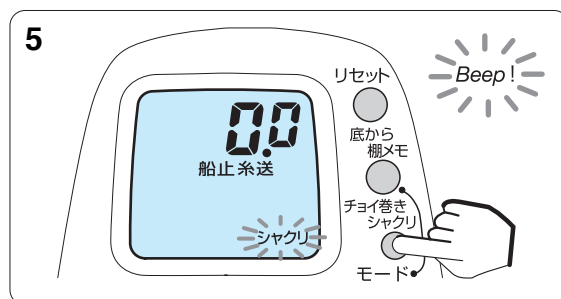
Interval time

5. After pressing the **JIG/PICKUP BUTTON**, use the power lever to start jigging.

The screen indicates the sign **シャクリ** blinking.

(While winding up the line, **シャクリ** blinks.)

(Please adjust the jigging speed with the power lever.)



# Functional setting operation (6. Jigging)

## Jigging master

You can choose the jigging pattern, range, waiting time you require.

### 1. Jigging pattern

You can choose the number of steps you wish for your jigging pattern.



(Preference setting)

One-step jigging	Two-step jigging	Three-step jigging	Master jigging

Master jigging (123) is the method in which the number of jigging steps is selected automatically by the computer.

A : 4 seconds stop  
B : 0.4 seconds stop

### 2. Jigging length

You can choose the length of the line wound up in one jig action. (Depending upon the sinker, speed of winding, the jigging length may overrun its setting slightly.)

The length can be set in increments of 50 cm between 0.5 and 10 m.

\*The sign “ $\pi$ ” in the lower left signifies “length.”



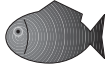
(Preference setting)



# Functional setting operation (6. Jigging)

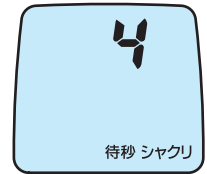
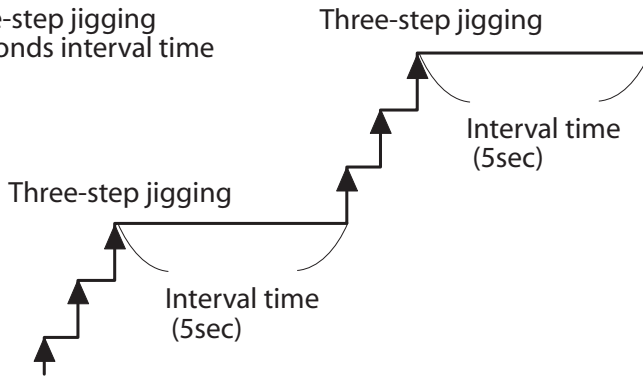
## 3. Waiting time

You can choose the waiting time between jigs. The interval time is set in seconds.



### Example)

Three-step jigging  
5 seconds interval time



(Preference setting)



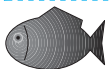
- If jigging time is longer than the chumming timer setting, then the chumming timer setting takes priority and will wind up the line.

**Attention**

## 4. Jigging range

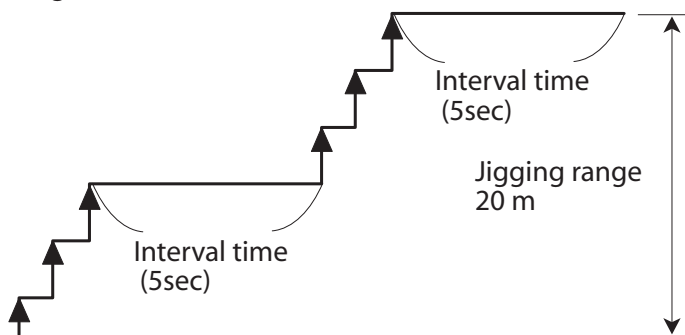
The depth range for jigging is set in 1 m increments. If the range is set to zero, then jigging continues right up to the auto stop depth.

\*The sign “H” in the lower left signifies “range.”



### Example)

Range is 20 m.



(Preference setting)

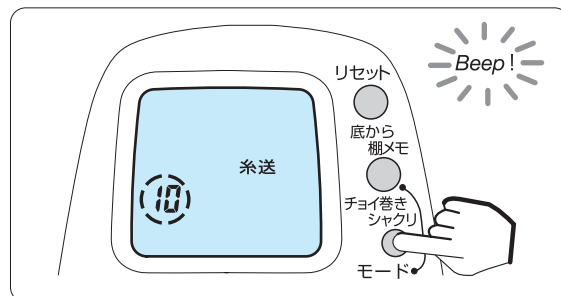
# Functional setting operation (7. Line feeding function)

## Line feeding function

The spool rotates to the direction of thread launched out utilizing the counterforce of the motor gear.

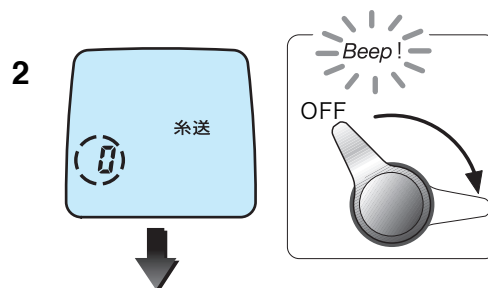
- The line feeding mechanism begins to work at a depth of 2.5 m below the pre-set auto stop depth.
- Speed of the line going out is adjusted with 32 speed levels ranging between 0 and Hi. It is adjusted in the line feeding mode.
- Once the line feeding stops due to backlash, etc., it no longer restarts.

1. Press the **INVERSE COUNTER BUTTON** and the **MODE (JIG/PICKUP) BUTTON** simultaneously for 2 seconds until it shows the mode setting screen, and then press the **MODE BUTTON** until it shows **糸送**. It is preset to 10.

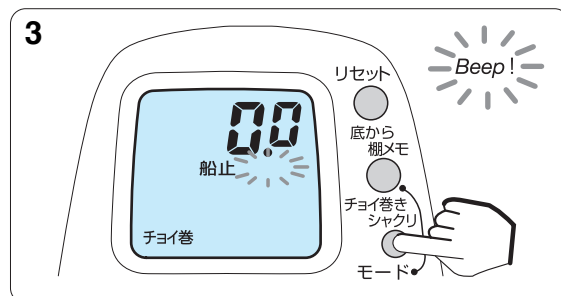


(adjustment of line furnishing)

2. Set the output with the Power Lever.



3. Press the **MODE BUTTON** until it shows "depth" screen to complete. (If you set it to 0, the sign **糸送** disappears.)



When the clutch is engaged while feeding the line (motor running), the line may be caught in the reel.

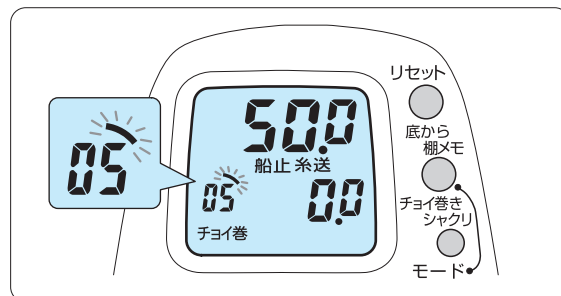
1. When the rig is too light or feeding power is too strong, the line may be fed excessively.
2. Excess feeding does not cause any problem, but if you are not comfortable with it, lower the output of the feeding or turn off the line feeding function.

# Functional setting operation (8. Chumming timer )

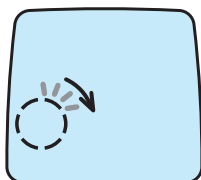
## Chumming timer

The numbers displayed in the lower side of the screen function as a timer, indicating exact time elapsed after throwing the jig. This is very useful for pacing your rhythm of a series of fishing actions.

- This function displays the time passed after the presentation of your bait or lure. It can be used for chumming, jigging timing or reeling in your rig.
- The chumming timer automatically starts when the water surface counter indicates 7.0m. (It is not possible to turn off the timer display.)
- The chumming time display disappears when the line is wound to the boat edge stop position.
- The bars of the frame around the number in the lower left corner of the screen blinks in order.



\*The number in the lower left corner of the screen represents every second when it is less than 1 minute and every minute when it is over 1 minute.



The outer frame expresses 10 seconds with each arch segment.



1. Pressing the **INVERSE COUNTER BUTTON** while the timer is in operation re-starts the timer from **0.0**.

# Functional setting operation (9. Chumming timer winding)

## Chumming timer winding

When you set a waiting time to be 5 minutes for a cast, the reel will automatically wind up the line, when the 5 minutes have passed, at a high speed for another cast. It is always possible to set the winding time for the chumming timer, except when winding up the line automatically.

1. Press the **INVERSE COUNTER BUTTON** and the **MODE BUTTON** simultaneously for 2 seconds.  
The display shows **チヨイ巻** .

2. Press the **MODE (JIG/PICKUP) BUTTON** until it shows the timer setting screen.



Use

The chumming timer helps ensure you check baits at even intervals, a real help when dropping multiple lines.

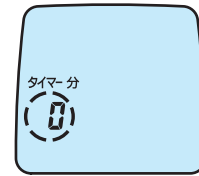
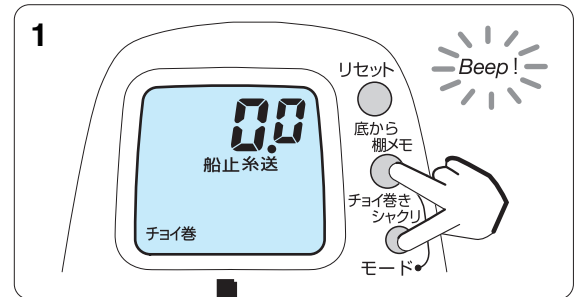
3. Use the power lever to set the number of minutes.  
(Shown is the timer set to 3 minutes.)

4. Press the **MODE BUTTON** until the display shows the depth screen to complete the operation.

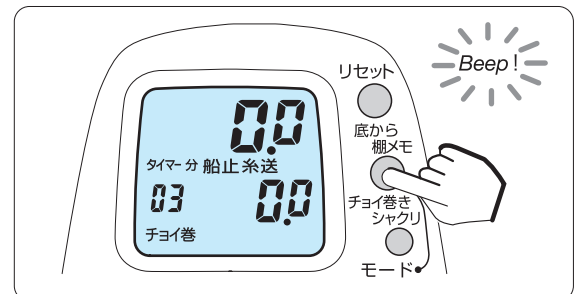
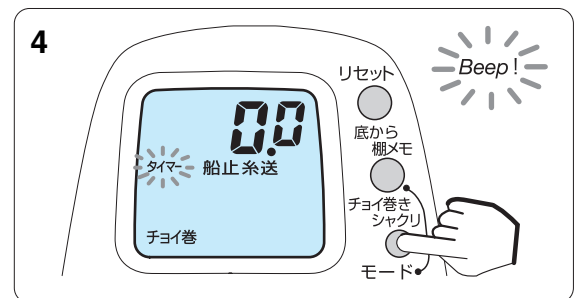
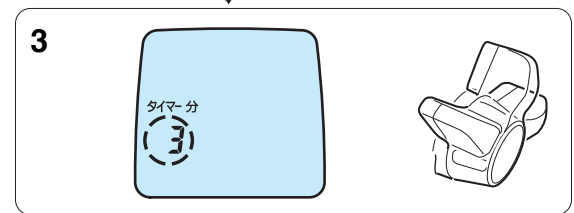
- The **タイマー** indicator is seen on the display.
- Pressing and holding down the **MODE BUTTON** scrolls quickly back to the depth display.

To confirm the set time, press the **INVERSE COUNTER BUTTON**.

5. When the set time has elapsed, it automatically winds up the rig to the boat edge stop position.  
Before winding up, it beeps and then winds up at a high speed.  
(When the alarm sound is turned off, it does not beep.)



(timer setting display)



# Functional setting operation (10. Display recalibration)

## Display recalibration

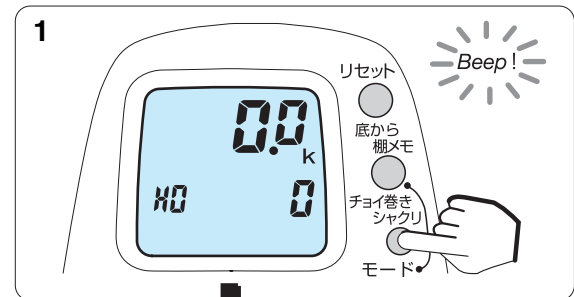
You can recalibrate the counter should it not indicate an accurate depth compared to depth markings on your line.

Example below is the case in which, though the counter shows 103 m, color markings on the line indicate 100 m.



Depth counter

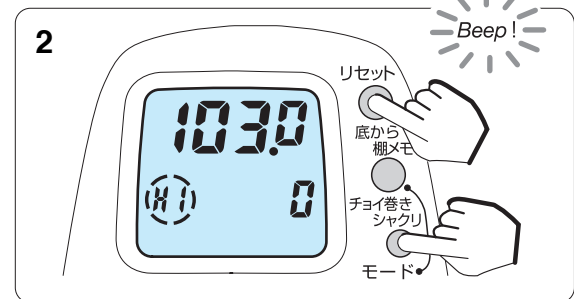
1. Press **MODE BUTTON** six times to show on the display real fishing time and total winding length.



2. Press **MODE BUTTON** and **RESET BUTTON** at the same time for 2 seconds. This displays revision display.



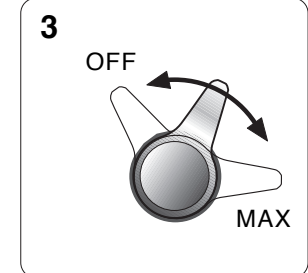
It is preset to HI: 0.



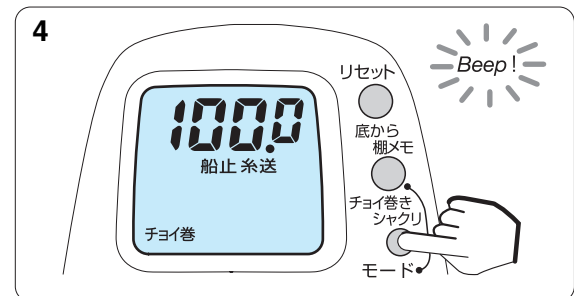
Display recalibration

3. Move the power lever to change the display's reading to **100.0**. (Occasionally, for the revision rate, the exact number cannot be attained.)

When it does not stop at 100.0, adjust it at the nearest number.



4. After **100.0** is reached, then press the **MODE BUTTON** to return to depth display. With this procedure, the inverse counter is reset. In the revised display, pressing of the **RESET BUTTON** changes the reading back to the unrevised value.



# Useful functions

## Various alarms

Many kinds of information are indicated by audible alarms.

### Power lever alarm

- Placing the Power lever at MAX or OFF positions evokes an alarm.



### - Live Line alarm

- The alarm will sound when the line spools out quicker than the preset range when the clutch is OFF and when line is being spooled out with drag while the clutch is ON.

### Auto stop alarm

- While winding up, starting 6 m below the auto stop depth, an alarm beeps at two meter intervals. Upon reaching the auto stop depth, a long alarm sounds.

### Range memory alert

- While lowering your rig back into the strike zone, starting 6 m above the memorized strike depth, an alarm sounds at two m intervals with a long alarm sounding once the target depth is reached.

(This range memory alarm does not sound unless line has been wound more than 6 m above the memorized depth.)

### Switch alarm

- Each time a button is pressed, a confirming beep is sounded.

(It can be turned off with the mode setting.)

### Excessive voltage alarm

- Should you attach a power source with a voltage higher than the acceptable level, a continuous alarm will sound. DO NOT operate the reel. Disconnect the power source. Connect a power source with the proper voltage.

### Timer alarm

- Chumming timer winding is indicated by an alarm.

### - Live Out alarm

- The alarm beeps every 1 m to audibly detect the line feed.

## Turning ON/OFF the alarm sound

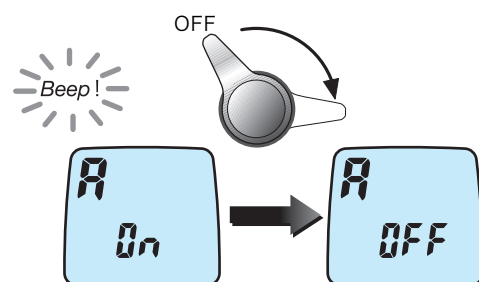
The alarm sound can be muted.

It is preset to ON.

When the alarm is turned off, no alarm sound goes off. It does not beep even when operating buttons or the Power Lever.

1. Start the MODE setting until it displays the alarm ON/OFF screen.
2. Operate the Power Lever to turn it off.
3. Press the PICKUP button until it displays the depth screen to complete the operation.

\*All of the alarm sounds, for the Power Lever, buttons, and the boat edge alarm, etc. do not go off.

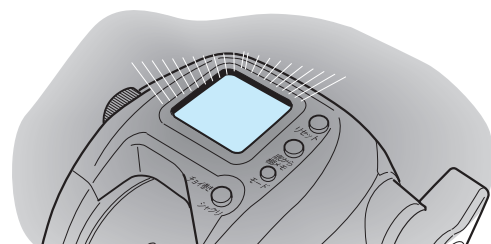


## Display light

Backlighting of the display provides easy reading for early morning or night fishing.

Backlighting of the display provides easy reading for early morning or night fishing.

- As long as the reel is connected to a power source, the display backlight is on.



# Reel Specification

## Reel Specification list

Product name	LEOBRITZ 500 MM		
Product code	40801271		
Gear ratio(manual winding)	2.9 : 1		
Weight (g)/(oz)	760 g / 26.8 oz		
Max Drag power (kg)/(lb)	8 kg/17.6 lb		
Line Capacity (m)	DAIWA BRAIDED	MONO	BRAIDED
	PE4(55lb)-470m(510yds)	25lb-330m(360yds)	40lb-470m(510yds)
	PE5(70lb)-350m(380yds)	30lb-240m(260yds)	50lb-350m(380yds)
	PE6(80lb)-300m(330yds)	—————	60lb-300m(330yds)
Number of Ball bearings	11		
Range of acceptable voltage	DC 12 V – 16.8 V		
Max winding speed (no load)	200 m / min		
Normal max winding speed (1.0kg load)	Approximately 170 m / min		
Instant max winding power	25 kgf		
Electric current (Amps)	No load	3.0	
	stall	9.0	
	Max	15.0	
Speed shifting	No load	0 – 200 m / min (continuous shifting)	

- Hi speed (no load) = power voltage 12 V, maximum speed of winding at spool fully wound.
- Normal max winding speed = 1.0kg load, the average speed of 100 m winding.
- Instant max winding power = power voltage 12 V, smallest radius of spool.

## Counter display

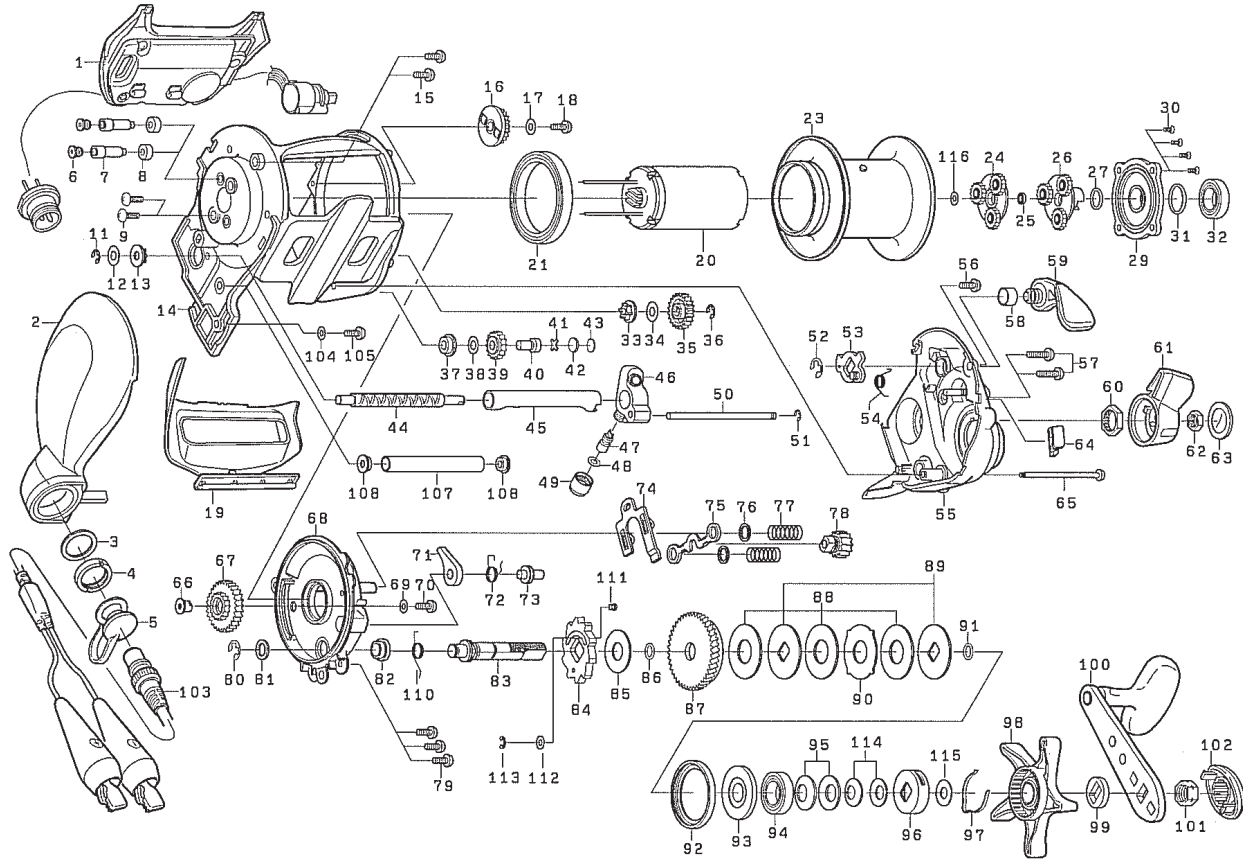
Depth display range	Upper counter; 0.0 – 999.9 m Lower counter : -99.9 – 999.9 m
Usable temp. range	-10 to +60 (degrees centigrade)

Specifications may be changed without prior notice for the purpose of improvement.



# Parts List

LEOBRITZ 500 MM



LEOBRITZ 500 MM

No.	Parts No.	Parts Name	No.	Parts No.	Parts Name	No.	Parts No.	Parts Name
1	6G853309	IC MODULE	50	6G852501	LEVELWIND POST	95	6F673601	DRAG SPRING WASHER
2	6G853603	L/S PLATE	51	6B864101	LEVELWIND POST RETAINER	96	6F862901	DRAG HOLDER
3	6G876101	RECEPTACLE WASHER	52	63207601	CLUTCH CAM RETAINER	97	6B747702	DRAG HOLDER LEAF SPRING
4	6G876201	RECEPTACLE NUT	53	6F861701	CLUTCH CAM	98	6F863018	STAR DRAG
5	6F661002	CONNECTOR CAP	54	6G853201	CLUTCH CAM SPRING	99	6F863202	HANDLE COLLAR
6	6F658501	CORD SHIELD (A)	55	6H300601	R/S PLATE	100	6H300701	HANDLE
7	6F657701	CORD SHIELD (B)	56	6G271101	R/S PLATE SCREW (A)	101	6B862102	HANDLE NUT
8	6F657501	CORD SHIELD (C)	57	6G205101	R/S PLATE SCREW (B)	102	6F471207	HANDLE CAP
9	6G876301	MOTOR HOLDER SCREW	58	6G907801	CLUTCH COLLAR	103	6Z018327	ELECTRIC POWER CORD
11	63205901	WORM SHAFT RETAINER	59	6F861416	CLUTCH LEVER	104	6G256401	L/S PLATE SCREW (B) WASHER
12	63716905	WORM SHAFT WASHER	60	6G139601	POWER LEVER NUT (A)	105	6B679308	L/S PLATE SCREW (B)
13	6F467201	WORM SHAFT BUSHING	61	6F862301	POWER LEVER	107	6G971401	PIPE
14	6G851804	FRAME	62	63424004	POWER LEVER NUT (B)	108	6G989901	COLLAR
15	63516401	L/S PLATE SCREW (A)	63	6F862801	POWER LEVER COVER	110	6H298901	RATCHET SPRING
16	6G851901	IDLE GEAR (A)	64	6E286003	LINE HOLDER	111	6H300301	RATCHET PIN
17	6G539402	IDLE GEAR (A) WASHER	65	6G691903	FRAME SCREW	112	6B536104	RATCHET PIN WASHER
18	6G171402	IDLE GEAR (A) SCREW	66	6G855301	IDLE GEAR (B) NUT	113	6B339801	RATCHET PIN RETAINER
19	6G855901	FINGER GUARD	67	6G855401	IDLE GEAR (B)	115	6G694201	DRAG HOLDER WASHER
20	6H298101	MOTOR	68	6G855102	SET PLATE	116	63754100	SPOOL GEAR WASHER
21	6G852601	SPOOL BALL BEARING	69	6B554301	IDLE GEAR (B) WASHER	200	6Y493803	MANUAL CD-R
23	6H299201	SPOOL	70	63522510	IDLE GEAR (B) SCREW			
24	6H299401	SPOOL PLATE GEAR (A)	71	6F597201	ANTI-REVERSE PAWL			
25	6G281601	SPOOL PLATE GEAR (B) BUSHING	72	6F860301	ANTI-REVERSE PAWL SPRING			
26	6H299901	SPOOL PLATE GEAR (B)	73	6G854401	SPRING HOLDER			
29	6G854901	SPOOL PLATE	74	6G855501	YOKE PLATE			
30	6B395505	SPOOL PLATE SCREW	75	6E252102	YOKE			
31	6G205500	SPOOL PLATE BEARING WASHER	76	6E037704	YOKE WASHER			
32	6G055101	SPOOL PLATE BALL BEARING	77	6F935201	YOKE SPRING			
33	6F467201	WORM SHAFT BUSHING	78	6G855601	PINION GEAR			
34	63716905	WORM SHAFT WASHER	79	6F939701	SET PLATE SCREW			
35	6G852401	WORM SHAFT GEAR	80	63207601	DRIVE SHAFT RETAINER			
36	63205901	WORM SHAFT RETAINER	81	6F481201	DRIVE SHAFT WASHER (A)			
37	6G676801	MECHANICAL BRAKE GEAR BUSHING	82	6F716101	DRIVE SHAFT BUSHING			
38	6E529803	MECHANICAL BRAKE GEAR WASHER	83	6H300101	DRIVE SHAFT			
39	6G856101	MECHANICAL BRAKE GEAR	84	6H310301	RATCHET			
40	6G856001	MECHANICAL BRAKE PIN	85	6H312401	DRIVE SHAFT WASHER (B)			
41	6F853602	MECHANICAL BRAKE WASHER (A)	86	6F657801	DRAG O RING			
42	6F853501	MECHANICAL BRAKE WASHER (B)	87	6G855701	DRIVE GEAR			
43	63749102	MECHANICAL BRAKE WASHER (C)	88	6F055403	DRAG DISC WASHER			
44	6G852301	WORM SHAFT	89	6F796302	DRAG LIP WASHER			
45	6G852201	WORM SHIELD	90	6F796101	EARED WASHER			
46	6F553601	LEVELWIND	91	6F657801	DRAG O RING			
47	61220601	LEVELWIND PAWL	92	6F827001	DRAG COLLAR SHIELD			
48	6F950200	LEVELWIND WASHER	93	6H300401	DRAG COLLAR			
49	6E354101	LEVELWIND NUT	94	6G055101	EARED DRAG COLLAR			

There may sometimes be a difference between the purchased reel and the Dismantled Parts Chart or the parts list above due to the adjustment process etc. We appreciate your understanding.

# Trouble shooting

Symptom	Possible causes	To do	Ref. page
Motor does not respond to the power lever	The counter displays 0.0 m.	It is a normal function to avoid over winding. Press <b>RESET BUTTON</b> to continue winding.	19
	Did not pull the lever to OFF position.	Pull the lever to OFF and then move forward again to start winding.	8
	Unstable power source	Use another power source, such as electric reel specific batteries.	2
Counter display does not appear.	Battery charge is low.	Recharge the battery.	2
	Cord worn or corroded	Replace the cord.	4
	Incorrect battery connection	Connect correctly.	2
Inverse counter does not appear	The inverse counter has not been set.	The inverse counter does not blink unless you press the inverse counter button	5 20
It does not wind even the PUCKUP BUTTON is pressed.	The speed may be set to 0, or it is showing the JIGGING setting screen	Start the Mode setting to set the speed while displaying the PICKUP setting.	15-17
Jigging function does not respond	Power lever is at OFF	Push the lever forward.	15-17
	Pickup mode is selected	With <b>MODE BUTTON</b> , select the jigging mode	22-24
The reel jigs on its own.	Low power voltage	Replace with a recharged battery.	2
Auto stop function does not work	Did not press <b>RESET BUTTON</b> at surface	Press <b>RESET BUTTON</b> to reset depth to zero with rig at the surface.	2 18
	Error for sinker weight or rocking of the boat	Adjust settings of auto stop function.	19
	Line is elongated.	Reset the depth counter at the surface.	18
There are counter errors.	Line length has increased due to stretching.	- Reset the counter. - Revise the display. - Re-enter line data.	18 28 9-14
	While fishing, the line was accidentally wound when the power was off.	Make data entry again	9-14
	While pulling out the line, the <b>RESET BUTTON</b> was accidentally held down for a while.	Make data entry again	9-14
	A large number was set when correcting.	Remove revision	28
The alarm does not go off.	The alarm is turned off.	Start the Mode setting to turn on the alarm.	15-17 29

Contact your dealer if the reel does not function properly despite the above details being confirmed, in the event of other problems arising, and to order parts.

# Reference/Référence/Hinweis Instrucciones/Riferimenti

COMPANY NAME	<b>DAIWA SPORTS LIMITED</b>
ADDRESS	Netherton Industrial Estate, Wishaw ML2 0EY, Lanarkshire, Scotland, U.K.
TEL NO.	01698-355-723
Web Address	<a href="http://www.daiwasports.co.uk/">http://www.daiwasports.co.uk/</a>

COMPANY NAME	<b>DAIWA FRANCE S.A.S</b>
ADDRESS	25 BOULEVARD INDUSTRIEL BP 30208 76304 SOTTEVILLE LES ROUEN CEDEX. FRANCE
TEL NO.	02-32-91-96-50
Web Address	<a href="http://www.daiwa-france.fr/">http://www.daiwa-france.fr/</a>

COMPANY NAME	<b>DAIWA CORMORAN SPORTARTIKEL-VERTRIEB GmbH</b>
ADDRESS	Industriestrasse 28 82194 Groebenzell GERMANY
TEL NO.	08142-5005-0
Web Address	<a href="http://www.daiwa-cormoran.info/">http://www.daiwa-cormoran.info/</a>

COMPANY NAME	<b>Daiwa Corporation</b>
ADDRESS	11137 Warland Drive Cypress, CA 90630
TEL NO.	+1-(562) 375-6800
Web Address	<a href="http://www.daiwa.com/">http://www.daiwa.com/</a>

COMPANY NAME	<b>Daiwa Australia Pty. Ltd</b>
ADDRESS	Unit K, 134 – 140 Old Pittwater Rd, Brookvale NSW 2100
TEL NO.	+61 (02) 8644 8644
Web Address	<a href="http://daiwafishing.com.au/">http://daiwafishing.com.au/</a>

## LIMITED WARRANTY TERMS

WARRANTY WILL EXPIRE WHEN ONE OF THE FOLLOWING HAS BEEN SURPASSED.

\*ONE YEAR FROM DATE OF ORIGINAL PURCHASE.

\*200 TOTAL HOURS OF USE.

## GARANTIE

LA GARANTIE EXPIRE LORSQUE L'ON ATTEINT

\*SOIT 1 AN APRES L'ACHAT

\*SOIT 200 H D'UTILISATION

## TERMINOS DE GARANTÍA LIMITADOS

La garantía caducará cuando algo de lo siguiente se haya sido superado.

\*Un año de la fecha de la compra original

\*200 horas totales de uso