Thank you for purchasing a TANACOM BULL 500. To take full advantage of the reel's many useful functions, please read this manual carefully before using. Retain this manual for future reference.
<table>
<thead>
<tr>
<th>Index</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caution</td>
<td>1</td>
</tr>
<tr>
<td>Precautions</td>
<td>1</td>
</tr>
<tr>
<td>Power source</td>
<td>2</td>
</tr>
<tr>
<td>How to connect the reel to the power source</td>
<td>2</td>
</tr>
<tr>
<td>About the power source</td>
<td>2</td>
</tr>
<tr>
<td>Battery indicator</td>
<td>2</td>
</tr>
<tr>
<td>Using the Reel</td>
<td>3</td>
</tr>
<tr>
<td>About the counter display</td>
<td>3</td>
</tr>
<tr>
<td>Maintenance</td>
<td>4</td>
</tr>
<tr>
<td>About maintenance</td>
<td>4</td>
</tr>
<tr>
<td>Maintenance procedure</td>
<td>4</td>
</tr>
<tr>
<td>Handling and maintenance of the power cord</td>
<td>5</td>
</tr>
<tr>
<td>maintenance of the cord</td>
<td>5</td>
</tr>
<tr>
<td>Other maintenance points</td>
<td>5</td>
</tr>
<tr>
<td>Names of the buttons and the display</td>
<td>6,7</td>
</tr>
<tr>
<td>Names and functions of each part</td>
<td>8,9</td>
</tr>
<tr>
<td>Line data input</td>
<td>10-17</td>
</tr>
<tr>
<td>Daiwa braided line</td>
<td>10</td>
</tr>
<tr>
<td>When line length is known</td>
<td>11,12</td>
</tr>
<tr>
<td>With Backing line</td>
<td>13,14</td>
</tr>
<tr>
<td>Functional setting operation</td>
<td>15-33</td>
</tr>
<tr>
<td>1 Mode setting display</td>
<td>15,16</td>
</tr>
<tr>
<td>How to set the many functions available</td>
<td></td>
</tr>
<tr>
<td>2. Before you begin fishing</td>
<td>17</td>
</tr>
<tr>
<td>Surface depth setting</td>
<td></td>
</tr>
<tr>
<td>When the main line is cut or broken off.....</td>
<td></td>
</tr>
<tr>
<td>3. Auto stop function</td>
<td>18</td>
</tr>
<tr>
<td>Auto stop setting</td>
<td></td>
</tr>
<tr>
<td>Auto stop</td>
<td></td>
</tr>
<tr>
<td>4. Inverse counter</td>
<td>19</td>
</tr>
<tr>
<td>Inverse counter</td>
<td></td>
</tr>
<tr>
<td>5. Live lining mode</td>
<td>20,21</td>
</tr>
<tr>
<td>Live lining mode setting</td>
<td></td>
</tr>
<tr>
<td>Live lining</td>
<td></td>
</tr>
<tr>
<td>Live line Alarm</td>
<td></td>
</tr>
<tr>
<td>Live Line Alarm sensitivity adjustment</td>
<td></td>
</tr>
<tr>
<td>Live out Alarm</td>
<td></td>
</tr>
<tr>
<td>Strike Zone Memory</td>
<td></td>
</tr>
<tr>
<td>6. Pickup speed setting</td>
<td>22</td>
</tr>
<tr>
<td>Pickup speed preference</td>
<td></td>
</tr>
<tr>
<td>7. Jigging</td>
<td>23-25</td>
</tr>
<tr>
<td>Jigging</td>
<td></td>
</tr>
<tr>
<td>Jigging master</td>
<td></td>
</tr>
<tr>
<td>8. Line feeding function</td>
<td>26</td>
</tr>
<tr>
<td>Line feeding function</td>
<td></td>
</tr>
<tr>
<td>9. Chumming timer winding</td>
<td>27,28</td>
</tr>
<tr>
<td>Chumming timer winding</td>
<td></td>
</tr>
<tr>
<td>Chumming timer</td>
<td></td>
</tr>
<tr>
<td>10. Display recalibration</td>
<td>29</td>
</tr>
<tr>
<td>Display revision</td>
<td></td>
</tr>
<tr>
<td>Useful functions</td>
<td>30</td>
</tr>
<tr>
<td>Various alarms</td>
<td></td>
</tr>
<tr>
<td>Display light</td>
<td></td>
</tr>
<tr>
<td>Reel Specifications</td>
<td>31</td>
</tr>
<tr>
<td>Reel Specification list</td>
<td></td>
</tr>
<tr>
<td>Counter display</td>
<td></td>
</tr>
<tr>
<td>Parts List</td>
<td>32</td>
</tr>
<tr>
<td>Trouble shooting</td>
<td>33</td>
</tr>
</tbody>
</table>

The electric reel used in the animation is TANACOM BULL-1000.

See animation

Electric reel’s basic operations
Caution

Precautions

<table>
<thead>
<tr>
<th>Warning</th>
<th>1. Be careful to keep fingers clear of the levelwind mechanism. It can pinch your fingers and cause injuries.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1. If your sinker or lure is caught on the bottom, cut your line rather than jerk the rod to free it.</td>
</tr>
<tr>
<td></td>
<td>2. After fishing, rinse and dry the reel thoroughly. Store in a dry place.</td>
</tr>
<tr>
<td></td>
<td>3. Handle the reel with care. Dropping it may cause damage.</td>
</tr>
<tr>
<td></td>
<td>4. Do not touch the line while reel is running. It could cut your skin.</td>
</tr>
<tr>
<td></td>
<td>5. Use this reel for fishing purposes only.</td>
</tr>
<tr>
<td></td>
<td>6. Be careful not to get reel grease on your clothing.</td>
</tr>
<tr>
<td></td>
<td>7. Do not use metal wire for the main line.</td>
</tr>
<tr>
<td></td>
<td>8. Sharp impacts due to inadvertent drop or other reasons may cause reel body breakage, damage to the inner electronic components, and cracks or short circuit of the board, resulting in functional disability.</td>
</tr>
</tbody>
</table>

| Attention | 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. |
|           | 2. Do not use badly rusted cord to prevent electrical heat. |
|           | 1. Do not touch moving parts while the reel is operating or it may cause injury. |
|           | 2. Drag adjustment should only be done with the auto winding functions off. |
|           | 1. Do not disassemble the reel. It could result in malfunction that could damage the reel or cause personal injury. |

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

- **Attention**
  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.

- **Attention**
  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.

- **Attention**
  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.
Using the Reel

1. Do not jerk your rod to free a lure or sinker stuck on the bottom. Pull the line taught with a gloved hand and cut it.
2. After maintenance, be sure to loosen the drag and store the reel in a dry place.
3. Handle the reel with care to avoid dropping and possibly damaging it.
4. Do not use metal wire as the reel’s main line.

About the counter display

The following conditions may make the display difficult to read.

1. Wearing polarized glasses.
2. Excessively cold or hot weather, mid-winter (display’s surface temperature is below –10 degrees centigrade) and mid-summer (display’s surface temperature is above 60 degrees centigrade).
3. When light strikes the display from certain angles, the display’s digits may have shadows. This does not affect its function.
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.

Attention
1. Do not submerse 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.
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.

- 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.

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. **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.

2. **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.

   The RESET BUTTON must be quickly pressed 3 times within 2 seconds. This prevents accidental resetting. For a total reset, when line has been broken off, press and hold the button for at least 2 seconds.

3. **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.
Selection between pickup and jigging 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)

**Jigging**
- Jigging can be ON/OFF.
- Pressing this button starts jigging. (Display shows )
- Pressing the button again stops jigging.

This display allows you to change setting of each function.
- The functions that are set to work are shown on the display.
  (Default setting is speed 15, but the speed can actually be set between 0–Hi.)

<table>
<thead>
<tr>
<th>Display</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>タイマー</td>
<td>Chumming timer starts working.</td>
</tr>
<tr>
<td>船止</td>
<td>Pressing the RESET BUTTON makes this indicator appear, telling you auto stop will work.</td>
</tr>
<tr>
<td>糸送</td>
<td>Auto Line feeding is employed. Default setting is off.</td>
</tr>
</tbody>
</table>

- It shows the depth from the surface.

- 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.

- This is appeared only when the jigging function is on.
- It blinks when jigging is in process.
  (While the depth indicator is shown, the lamp will not light up even when it is set.)

- 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.

<table>
<thead>
<tr>
<th>Display</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>フカセ</td>
<td>Live line mode is ON.</td>
</tr>
<tr>
<td>フカセアタリ</td>
<td>The alarm will sound when a move quicker than a preset range is detected while the clutch setting is OFF.</td>
</tr>
<tr>
<td>フカセクリック</td>
<td>The alarm sounds every time 1 m of main line is extracted while the clutch setting is OFF.</td>
</tr>
<tr>
<td>シャクリ</td>
<td>Pressing the JIG/PICKUP BUTTON makes the function work. Pressing the button again stops it.</td>
</tr>
</tbody>
</table>
Names and functions of each part

1. Free spool adjustment
   - Weak
   - Strong

2. Power lever
   - Off
   - Beep!
   - Max

3. Waterproof tournament drag
   - Loosen
   - Tighten

4. Clutch
   - On
   - Off

5. Level wind

6. 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.

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.

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.)

6 Enclosed items
- Power cord
- Manual CD-R
- Storage Bag
- Levelwind threader (This tool simplifies threading line through the levelwind.)
- Reel guard oil
Line data input (Daiwa braided line)

A special input method can be used when spooling the reel with Daiwa braided line. It is a useful method because it requires less data input.

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. Wind the line to its end with the power lever at maximum. -Wind line under tension (about 1 kg.). -Drag should have enough tension to wind line without slipping. -Be careful not to wind the end of the line onto the reel. -Do not allow line to rub against the finger guard while winding as it will scratch the guard.

6. The display will read 0.0. Press and hold the MODE SETTING BUTTON for five seconds. When the button is released, the default setting will show.

7. Default setting “PE 6 – 300 m” is shown on the display and P1 blinks.

8. The power lever can be used to change from the default value to other line PE values in the reel’s memory. Once the appropriate value is displayed, exit the setting display by pressing the MODE SETTING BUTTON 4 times. The display will return to 0.0

<table>
<thead>
<tr>
<th>Line thickness</th>
<th>PE (Display shows PE at upper left of the display) (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE4</td>
<td>100 200 300 400 470</td>
</tr>
<tr>
<td>PE5</td>
<td>100 200 300 350 —</td>
</tr>
<tr>
<td>PE6</td>
<td>100 200 300 —</td>
</tr>
<tr>
<td>PE8</td>
<td>100 200 220 —</td>
</tr>
<tr>
<td>PE10</td>
<td>100 170 —</td>
</tr>
</tbody>
</table>

The TANACOM BULL 500 has data for the above Daiwa braided lines stored in the reel’s memory. Therefore, when winding these lines, there is no need for additional data input.
**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 page 2 for the connection method.

5. Press the MODE SETTING BUTTON and hold for five seconds, until the display shows 0.0.

6. When the button is released, the display will then change to the figure on the left, which shows P1.

7. Press MODE SETTING BUTTON once to move to the line length input mode. P2 will be blinking.

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 3 and 4 while winding on line. Do not allow line to rub against the finger guard while winding as it will scratch the guard.
9. Pull the lever back to the OFF position, after winding.

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 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 SET 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. 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. Wind the backing line.

6. Tie the backing line securely to the main line.

7. Press the MODE SETTING BUTTON for 5 seconds, when the display will show 0.0. P1 will be blinking.
8. Press the **MODE BUTTON** twice and change the display to backing line input. 
   **P3** will then be blinking.

9. As indicated by the line’s color coding, wind the line up until the remaining line is 100m. 
   With the power lever moved forward, **P3** changes into a tension indicator. Keep line tension between 3 and 4 while winding.

10. Paying attention to the main line’s color coding, wind the main line for 50 m. Then hold down **RESET BUTTON** at least 2 seconds. 
   (The figure at the bottom of the display will change from 50 to 100.)

11. Similarly, wind the remaining 50 m of the main line and hold down **RESET BUTTON** at least 2 seconds. 
   (When “0.0” appears on the display, the setting is completed.)

   Should “Err” appear on the display, then use the **MODE SET BUTTON** to re-enter the data.
Functional setting operation (1. Mode setting display)

How to set the many functions available

There are many useful functions in the mode.

1. 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**.

   (Except turning ON and OFF of Live Lining mode)

- Turn **ON** Live Lining using the power lever.
- Enable **Live Lining** using the power lever. (Live Lining alarm)
- Adjust the sensitivity using the power lever. (Live Lining alarm sensitivity adjustment)
- Enable **Lining Out** alarm using the power lever. (Lining Out alarm)
2. 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.

3. 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.
- Go back to the depth indication display before fishing.

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

(Except when turning ON and OFF of Live Lining mode)
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 \textit{RESET BUTTON}. (water surface zero setting)

The display resets to 0.0.

\textbf{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 \textit{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 \textit{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 setting

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

- Auto stop adjusts to operate at depths from 1 m to 5 m (in 10 cm increments).
- It prevents accidentally winding swivels, terminal rigs etc. into the rod tip and stops your rig at a consistent depth for convenient checking and changing of baits and sinkers.
- Line stretch can cause an inaccurate reading at the surface. Simply reset the counter to zero at the surface.

1. Connect the reel to the battery, and press the **RESET BUTTON** with your terminal rig at the surface. The display shows **0.0**.

2. 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**.

3. After adjusting length, press the **INVERSE COUNTER BUTTON** for 2 seconds. When **blinks**, this procedure is completed. Default setting is **2.0 m**. (Without pressing the **RESET BUTTON**, the winding stops at a depth of 5.0 m. The **lamp** will blink when the setup has been completed.

4. When checking or changing a bait, simply wait until the reel automatically stops winding and raise the rod tip.

### Use

**Checking and changing sinkers, baits etc.**

3. After adjusting length, press the **INVERSE COUNTER BUTTON** for 2 seconds. When **blinks**, this procedure is completed. Default setting is **2.0 m**. (Without pressing the **RESET BUTTON**, the winding stops at a depth of 5.0 m. The **lamp** will blink when the setup has been completed.

4. When checking or changing a bait, simply wait until the reel automatically stops winding and raise the rod tip.

### Auto stop

Auto stop automatically brings your terminal rig to the surface, stopping consistently at your pre-set depth preference. It eliminates the need to constantly monitor depth as it comes up.

- The auto stop function assists when winding with the power lever, jigging, or winding with the chumming timer.
- After the rig is ready, reset the depth counter to zero by pressing the **RESET BUTTON**. (water surface zero setting) (After this, **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 auto stop depth is set, 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.
**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 94 m, which is 6 m from the bottom.

1. **Clutch OFF to send the rig to the bottom**

![Clutch OFF](image)

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

![Clutch ON](image)

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.

**Use**

By pressing the **INVERSE COUNTER BUTTON**, the timer starts and keeps an accurate record of fishing time.
Functional setting operation (5. Live lining mode)

Live lining mode setting

1. Press the MODE BUTTON to change the display.

Live lining

2. Use the power lever to activate the Live Line Function.

Live line Alarm

When the line spools out faster than the preset range, the Live Line Alarm will sound notifying you that you just had a strike. Even if you look away, you will not miss a strike.

3. Press the MODE BUTTON to move to the next display mode.

4. Turn it ON using the power lever.

-When the Live line alarm is OFF, the alarm will not sound.
**Functional setting operation (5. Live lining mode)**

**Live Line Alarm sensitivity adjustment**

- An alarm sounds when the speed of the swimming or drifting bait accelerates, indicating a pickup.

5. Press the **MODE BUTTON** to move to the next display mode.
6. Turn it ON using the power lever.

7. Press the **MODE BUTTON** to move to the next display mode.
8. Turn it ON using the power lever.

Can be properly adjusted to accommodate current/tidal speed as well as wave and swell size.
- The available setting range is 1 to 10.

**Live out Alarm**

- Signals movement of a bait swimming or drifting in current with a beep for every meter moved.

7. Press the **MODE BUTTON** to move to the next display mode.
8. Turn it ON using the power lever.

**Strike Zone Memory**

- Shows how much line was out when a hookup occurred and lets you drop a fresh bait back into the strike zone.

9. Press the **MODE BUTTON** to move to the next display mode.

- When **INVERSE COUNTER BUTTON** is pressed, the depth of stored strike zone will be calculated to one decimal place and then will be shown in the display.
- When the boat is at a place shallower than the shelf stored in the memory, memory update will not be carried out until Auto Stop of winding.

(An example of strike zone memory)
(A case of alarm sounding at 95.0 m and winding for 5.0 m)
Functional Setting Operation (6. Pickup Speed Setting)

Pickup Speed Preference

1. Press **MODE BUTTON**.
   
   If the display is at **display**, then move the power lever or press **RESET BUTTON** to show the display shown on the right.

2. Press **MODE BUTTON** again.
   
   This display is the pickup setting display.

3. Set speed with the power lever.

   **Use**
   
   While the power lever is at MAX position, pressing the **BPICKUP BUTTON** makes the motor run at the pre-set pickup speed.

4. Press the **MODE BUTTON** to go back to depth readout.

   **Attention**
   
   1. While the **BPICKUP BUTTON** is in use for winding, winding speed is not displayed.
Jigging is an extremely valuable function. After setting your preferences, pressing the JIG/PICKUP BUTTON starts the function. Speed of the jigging can be adjusted with the power lever.

1. Press the MODE BUTTON to show Jig/pickup display.
   (When jigging is chosen, the pickup function cannot be used.)

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 (step) > length (m) > waiting time (sec)

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

4. In the same manner, set length, waiting time.
   By pressing the JIG/PICKUP BUTTON during the jigging setting display, the display will show depth and begins jigging. Pressing and holding the MODE BUTTON will quickly scroll you back to the depth counter display.

5. After pressing the JIG/PICKUP BUTTON, use the power lever to start jigging.
   Jigging speed is controlled with the power lever. As the jerking starts, indicator blinks. Pressing the JIG/PICKUP BUTTON again stops jigging.
Functional setting operation (7. Jigging)

Jigging master

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

- Pressing the PICKUP / JIGGING BUTTON, starts jigging, with the display showing the indicator. (Pressing the button once more cease jigging.) The power lever controls jigging speed.
- Shifting of jigging speed is done easily with the lever control.
- When a fish strikes during jigging, it turns off providing the power lever is turned to the OFF position. After that, normal winding is done with the power lever.
- To show the jigging display, refer to page 15.

1. Jigging pattern

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

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.

<table>
<thead>
<tr>
<th>One-step jigging</th>
<th>Two-step jigging</th>
<th>Three-step jigging</th>
<th>Master jigging</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="One-step" /></td>
<td><img src="image2" alt="Two-step" /></td>
<td><img src="image3" alt="Three-step" /></td>
<td><img src="image4" alt="Master" /></td>
</tr>
</tbody>
</table>

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.
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

- If jigging time is longer than the chumming timer setting, then the chumming timer setting takes priority and will wind up the line.
The line feeding function lets our line with the motor assisting the spool.

- The line feeding mechanism begins to work at a depth of 2.5 m below the pre-set auto stop depth.
- When Live Lining mode is ON, line feeding will not automatically start.

- 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.

1. Press the **MODE BUTTON** to show the line feeding speed adjustment display. Default setting is zero (OFF). Set the speed level with the power lever.

2. Press the **MODE BUTTON** three times to show 0.0 (depth counter) to complete. The **** will blink.

While the reel is feeding line with this function, its speed cannot be changed.

**Attention**

While Live Lining mode is enabled, use the power lever to feed the line.
Functional setting operation (9. Chumming timer winding)

**Chumming timer winding**

The right timing for the best results. After a pre-determined amount of time has passed, the reel starts winding automatically.

- After pre-set 5 minutes have passed, the reel automatically winds up.
- When the timer is set, the timer indicator [タイマー] is shown in the display. To stop using the timer, set its time to zero.
- Pre-set time can be confirmed by pressing the INVERSE COUNTER BUTTON.
- The chumming timer will not function if the indication of the depth counter goes out of range (+20m and -20m). It will not function any more if once the indication of the depth counter goes out of this range.

---

1. Press **MODE BUTTON** until you come to the timer setting display. 
   [タイマー] is on the screen. The default setting is zero minutes or [OFF].

*Use*

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

2. Use the power lever to set the number of minutes.
   (Shown is the timer set to 3 minutes.)
3. Press **MODE BUTTON** twice.
   - When the display goes back to depth counter, then the procedure is completed.
   - The timer indicator is seen on the display.
   - The time set can be checked by pressing the **INVERSE COUNTER BUTTON**.
   - Pressing and holding down the **MODE BUTTON** scrolls quickly back to the depth display.

4. When the set time is reached, the reel begins to wind at its maximum speed.
   An audible alarm sounds.

### Chumming timer

This function provides a useful timer.

- 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 starts from 7.0 m on the counter, unless a specific fishing range has been entered into memory.
  Display time is shown in seconds if remaining time is less than 60 seconds, in minutes if remaining time is more than a minute.

The outer frame expresses 10 seconds with each arch segment.

Counter initially shows seconds, after 1 minute, indicates minutes.

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

**Attention**
Display revision

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.

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.

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.)

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.

**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.

**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 Specifications

## Reel Specification list

<table>
<thead>
<tr>
<th>Product name</th>
<th>TANACOM BULL 500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>40801006</td>
</tr>
<tr>
<td>Gear ratio (manual winding)</td>
<td>2.9 : 1</td>
</tr>
<tr>
<td>Weight (g)/(oz)</td>
<td>760 g / 26.8 oz</td>
</tr>
<tr>
<td>Max Drag power (kg)/(lb)</td>
<td>8 kg/17.6 lb</td>
</tr>
<tr>
<td>Line Capacity (m)</td>
<td></td>
</tr>
<tr>
<td>PE4(55lb)-470m(510yds)</td>
<td></td>
</tr>
<tr>
<td>PE5(70lb)-350m(380yds)</td>
<td></td>
</tr>
<tr>
<td>PE6(80lb)-300m(330yds)</td>
<td></td>
</tr>
<tr>
<td>Number of Ball bearings</td>
<td>4</td>
</tr>
<tr>
<td>Range of acceptable voltage</td>
<td>DC 12 V – 16.8 V</td>
</tr>
<tr>
<td>Max winding speed (no load)</td>
<td>140 m / min</td>
</tr>
<tr>
<td>Normal max winding speed (1.0kg load)</td>
<td>About 120 m / min</td>
</tr>
<tr>
<td>Instant max winding power</td>
<td>32 kgf</td>
</tr>
<tr>
<td>Electric current (Amps)</td>
<td>No load</td>
</tr>
<tr>
<td></td>
<td>stall</td>
</tr>
<tr>
<td></td>
<td>Max</td>
</tr>
<tr>
<td></td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>7.0</td>
</tr>
<tr>
<td></td>
<td>15.0</td>
</tr>
<tr>
<td>Speed shifting</td>
<td>No load</td>
</tr>
<tr>
<td></td>
<td>0 – 140 m / min (continuous shifting)</td>
</tr>
<tr>
<td>Best battery size</td>
<td>Light use-Super Lithium 8800, Heavy use-20Ah battery.</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Depth display range</th>
<th>Upper counter; 0.0 – 999.9 m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lower counter : -99.9 – 999.9 m</td>
</tr>
<tr>
<td>Usable temp. range</td>
<td>-10 to +60 (degrees centigrade)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible causes</th>
<th>To do</th>
<th>Ref. page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor does not respond to the power lever</td>
<td>The counter displays 0.0 m. It is a normal function to avoid over winding. Press <strong>RESET BUTTON</strong> to continue winding.</td>
<td>Pull the lever to OFF and then move forward again to start winding.</td>
<td>8, 18</td>
</tr>
<tr>
<td></td>
<td>Did not pull the lever to OFF position.</td>
<td>Use another power source, such as electric reel specific batteries.</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Unstable power source</td>
<td>Recharge the battery.</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Battery charge is low.</td>
<td>Replace the cord.</td>
<td>5</td>
</tr>
<tr>
<td>Counter display does not appear.</td>
<td>Cord worn or corroded</td>
<td>Connect correctly.</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Incorrect battery connection</td>
<td>It is normal. Press <strong>INVERSE COUNTER BUTTON</strong>.</td>
<td>8</td>
</tr>
<tr>
<td>Inverse counter does not appear.</td>
<td>Did not press <strong>INVERSE COUNTER BUTTON</strong></td>
<td>It is normal. Press <strong>INVERSE COUNTER BUTTON</strong>.</td>
<td>8</td>
</tr>
<tr>
<td>Jigging will not start even when JIGGING BUTTON is pressed.</td>
<td>The power lever is set to the OFF position.</td>
<td>Set a jigging speed using the power lever.</td>
<td>23-25</td>
</tr>
<tr>
<td>The reel jigs on its own.</td>
<td>Low power voltage</td>
<td>Replace with a recharged battery.</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Unstable power source</td>
<td>Use another power source, such as electric reel specific batteries.</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Did not press <strong>RESET BUTTON</strong> at surface</td>
<td>Press <strong>RESET BUTTON</strong> to reset depth to zero with rig at the surface.</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Error for sinker weight or rocking of the boat</td>
<td></td>
<td>14, 15</td>
</tr>
<tr>
<td></td>
<td>Line is elongated.</td>
<td>Reset the depth counter at the surface.</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Line length has increased due to stretching.</td>
<td>Reset the counter.</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>There was a large tension change because of catch/loss of a fish.</td>
<td>Revise the display.</td>
<td>17</td>
</tr>
</tbody>
</table>

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.
<table>
<thead>
<tr>
<th>COMPANY NAME</th>
<th>DAIWA CORPORATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS</td>
<td>11137 Warland Drive Cypress, CA 90630 U.S.A</td>
</tr>
<tr>
<td>TEL NO.</td>
<td>(562)-375-6800</td>
</tr>
</tbody>
</table>

**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.