



# Submersible pump OWNER'S MANUAL

DCT-6000, DCT-8000, DCT-12000, DCT-15000

## Introduction

Jebao pumps are carefully inspected and tested to ensure both safety and operating performance. However, failure to follow the instructions and warnings in this manual may result in pump's damage and/or serious injury. Be sure to read and save this manual for future reference.

## Pump Features

- High performance with innovative motor
- Energy saving up to 50%
- Super quiet.
- Suitable for both marine and fresh water. No components to rust.
- Wear resistant ceramic shaft for longer life

## Controller Features

- Flow rate can be adjusted in 10 steps
- “Feed” Mode – turns off pump for 10 minutes.
- Controller setting retained after power outage

## Operating instructions

1. The pump must be connected with the controller and the 24V adaptor correctly before use.
2. Turn on the power, press "-" and "+" button to adjust the pump flow rate – the LED light will indicate current setting.
3. **Lock / unlock function:** press the "+" or "-" button for three seconds until the LED light flashes twice - the controller is locked. To unlock, press the "+" or "-" button for three seconds until the LED light flashes twice.
4. "FEED" function: When the pump is running – press the "FEED" button – the pump stops running for 10 minutes and the "10min" LED lights up. The pump restarts automatically at previous flow rate setting after 10 minutes. Can exit feed mode by pressing the “FEED” button.

## The LED flashing status instruction

| No. | Controller/Pump run status    | Flashing LED status   | Problem Solution   |
|-----|-------------------------------|---|--|
| 1   | Over voltage or under voltage | ■ ■ ■ □ □ ■ ■ ■   | Check the AC/DC power adapter  |
| 2   | Controller overheating        | ■ □ □ □ □ □ □ ■   | Check whether the controller exposed to sunshine or is in a high temperature environment |
| 3   | The impeller stops running    | ■ ■ ■ □ □ □ □ ■   | Check if something is caught in pump<br>Check pump is correctly connected.               |
| 4   | Pump idling                   | ■ □ □ □ □ ■ ■ ■   | Check if the pump is running dry.  |
| 5   | Abnormal current              | □ □ □ ■ ■ □ □ □   | Check if the pump cable is damaged or controller is damaged.                             |
| 6   | Lock or unlock                | Press the "+" or "-" button for three seconds until the LED flashes twice - the controller then be locked or unlocked | If LED does not flash, the keypad could be damaged                                       |

- Pump will automatically shut off if no water for 2 minutes. To reset, unplug the power, wait for 1 minute and then reconnect power.

- Note: for indoor use only.

- The power adapter should be connected via a power socket with a leakage current protection device - the leakage current shall not exceed 30mA

## Performance Parameters Table

| No: | Model No: | Voltage | Control box (W) | Consumption (W) | Flow rate (L/H) | HeadMax |
|-----|-----------|---------|-----------------|-----------------|-----------------|---------|
| 1   | DCT-6000  | DC 24V  | 50              | 42              | 6000            | 3.8     |
| 2   | DCT-8000  | DC 24V  | 100             | 68              | 8000            | 4.5     |
| 3   | DCT-12000 | DC 24V  | 100             | 85              | 12000           | 5       |
| 4   | DCT-15000 | DC 24V  | 150             | 100             | 15000           | 5       |

## WARNING

- Do not connect to power supply above the rated voltage
- Do not let the pump run in dry.
- Do not immerse the pump in flammable liquid.
- Do not use the pump in water temperature above 35℃.
- Maximum water depth 1.5M
- Do not immerse the plug into water or other liquid.
- This appliance is not allowed to use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

## CAUTION

Always disconnect the pump from the power supply before cleaning/maintenance or handling.

Do not let the pump run dry.

Do not lift the pump by the power cord.

Do not use the pump in water temperature above 35℃.

The pump is suitable for fresh water and sea water only

Please use the pump only when it is completely submerged in water.

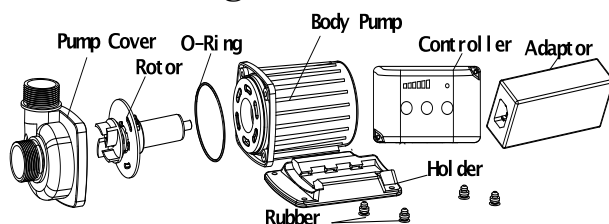
A clogged or dirty intake screen will reduce the pumps performance.

If the pump is used on a dirty surface, raise it slightly to reduce the amount of debris contacting the intake. If the flow is low, please clean the intake screen/pump.

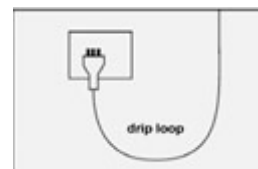
## Operation

Attach pipe fittings/tubing to pump. Place the pump into water. Power on. If there is air in the pump in may not pump water – if this is the case, power the pump on/off several times until the pump is primed and working correctly.

## Installation diagram:



**NOTE:** Please ensure the mains power cable loops below the power socket forming a “Drip Loop”. This will prevent the water from entering the power socket.



## MAINTENANCE

To clean the pump, remove the back cover, sealing cover and the impeller.

Use a small brush or stream of water to remove any debris.

Note: the pump shaft can not be removed.

If the pump does not run, please check the following:

- Check all pump power connections. Check the pump has power. Try the pump from another power socket. Note: Always disconnect the pump from the power supply before handling.
- Check the pump outlet and tubing for blockages and if any, remove the blockage. Check the inlet to ensure it is not clogged by debris.
- Remove the pump inlet to access the impeller. Rotate the impeller to check if it broken or jammed.
- Monthly maintenance will prolong your pump's life. Clean the impeller and remove and debris/build up that can affect operation.



## DISPOSAL:

Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product must not be disposed together with the domestic waste. This product has to be disposed at an authorized place for recycling of electrical and electronic appliances. By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmental friendly and healthy way.

JEBAO CO., LTD

Tongmao Industrial Park, Dongsheng Town,  
Zhongshan, Guangdong, China.

Email: [info@jebao.com](mailto:info@jebao.com)

Website: [www.jebao.com](http://www.jebao.com)

Tel: +86-760-28136717/19/20

Fax: +86-760-28136725

