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Goldsea TY002-B

Goldsea 4.2V Cordless Electric Screwdriver User Manual

Model: TY002-B

1. Introduction

Thank you for choosing the Goldsea 4.2V Cordless Electric Screwdriver. This manual provides essential information for the safe and efficient operation, maintenance, and care of your tool. Please read it thoroughly before first use and keep it for future reference.

2. Safety Information

General Power Tool Safety Warnings:

- Always wear eye protection when operating power tools.
- Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- Use the correct tool for your application. Do not force the tool.
- Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.

3. Package Contents

Verify that all items are present and in good condition:

- 1x Goldsea 4.2V Cordless Electric Screwdriver
- 10x CRV Screwdriver Bits (various types and sizes)
- 1x Extension Rod
- 1x Flexible Shaft
- 1x Type-C Charging Cable
- 1x User Manual (this document)



Image: All included accessories for the Goldsea Cordless Electric Screwdriver, including various CRV bits, an extension rod, a flexible shaft, and a Type-C charging cable.

4. Product Overview

Familiarize yourself with the components of your Goldsea Cordless Electric Screwdriver.



Image: A detailed diagram highlighting the key components of the Goldsea Cordless Screwdriver, including the forward/reverse button, rotation button, LED lights, Type-C charging port, switch button, and charger indicator.

- **Magnetic Chuck:** Provides quick and easy bit changes.
- **Forward/Reverse Button:** Controls the rotation direction for tightening or loosening screws.
- **Rotation Button:** Allows adjustment of the handle angle from 90° to 180° for versatile use.
- **LED Lights:** Illuminates the work area for improved visibility in dark environments.
- **Type-C Charging Port:** For convenient and fast charging.
- **Charger Indicator:** Displays charging status (red for charging, green for fully charged).
- **Ergonomic Handle:** Designed for comfortable grip and reduced fatigue.

5. Setup

5.1 Charging the Screwdriver

Before first use, fully charge the screwdriver. The device uses a 1.5Ah 4.2V Lithium-ion battery.

1. Connect the Type-C charging cable to the charging port on the screwdriver.

2. Plug the other end of the cable into a compatible USB power source (e.g., computer USB port, power bank, or USB wall adapter).
3. The charger indicator light will turn **red** during charging.
4. Once fully charged, the indicator light will turn **green**. A full charge typically takes approximately 2 hours.



Image: The Goldsea Cordless Screwdriver connected to a laptop via its Type-C charging cable, demonstrating how to charge the device.

5.2 Inserting and Changing Screwdriver Bits

The magnetic chuck allows for quick and secure bit changes.

1. Select the appropriate CRV screwdriver bit for your task.
2. Simply push the bit firmly into the magnetic chuck until it is securely seated.
3. To remove a bit, pull it straight out from the chuck.



Image: A hand inserting a screwdriver bit into the magnetic chuck of the Goldsea Cordless Screwdriver, illustrating the easy bit change mechanism.

5.3 Adjusting the Handle Angle

The screwdriver features an adjustable handle for enhanced versatility in various working conditions.

1. Locate the rotation button (often yellow) at the top of the screwdriver.
2. Press and hold the rotation button.
3. Rotate the handle to your desired position (90° pistol grip or 180° straight).
4. Release the button to lock the handle in place.



Image: A series of images demonstrating the rotatable handle feature of the Goldsea Cordless Screwdriver, showing how to adjust it from a pistol grip to a straight configuration for different applications.

6. Operating Instructions

6.1 Powering On/Off and Direction Control

The screwdriver is operated via the main switch button and a forward/reverse selector.

1. **To select rotation direction:** Use the forward/reverse button (often a slider or rocker switch) to choose between forward (tightening screws) or reverse (loosening screws). Ensure the switch is in the central 'lock' position when not in use to prevent accidental activation.
2. **To operate:** Press the main switch button to activate the screwdriver. The no-load speed is 200-220 RPM, with a maximum torque of 3 N/M.
3. **To stop:** Release the main switch button.



Image: A visual guide showing the forward, safety lock, and reverse positions of the control switch on the Goldsea Cordless Screwdriver.

6.2 Using the LED Work Light

The integrated LED light automatically activates when the screwdriver is in operation, illuminating your work area.



Image: The Goldsea Cordless Screwdriver in use, with its LED light illuminating a screw, demonstrating its utility in dark environments.

6.3 Battery Indicator

The battery indicator light will turn red when the screwdriver's battery level is low and requires recharging.

6.4 Applications

This cordless electric screwdriver is suitable for a variety of light-duty tasks, including:

- Furniture assembly
- Installation of fixtures
- General household repairs
- DIY projects



Image: A collage of images showing the Goldsea Cordless Screwdriver being used in various household and DIY applications, such as assembling furniture and installing fixtures.

7. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your tool.

- **Cleaning:** Keep the tool's ventilation openings clean to prevent overheating. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the screwdriver in a dry, cool place, away from direct sunlight and moisture. Ensure the battery is partially charged before long-term storage.
- **Bit Care:** Clean screwdriver bits after use. Replace worn or damaged bits to prevent stripping screw heads.
- **Battery Care:** Do not expose the battery to extreme temperatures. Avoid fully discharging the battery frequently.

8. Troubleshooting

If you encounter issues with your Goldsea Cordless Electric Screwdriver, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Screwdriver does not turn on.	Battery is discharged. Forward/Reverse switch is in the lock position.	Charge the battery. Move the switch to the forward or reverse position.
Reduced power or speed.	Low battery charge. Overloading the tool.	Recharge the battery. Reduce the load or use a different tool for heavy-duty tasks.
Bit slips or strips screw head.	Incorrect bit size/type. Worn bit. Insufficient pressure.	Use the correct bit for the screw. Replace the bit. Apply firm, consistent pressure.

If the problem persists after attempting these solutions, please contact customer support.

9. Specifications

Feature	Specification
Brand	Goldsea
Model Number	TY002-B (I2)
Power Source	Battery Powered
Voltage	4.2V
Battery Capacity	1.5Ah (Lithium-ion)
Max Torque	3 Nm
No-Load Speed	200-220 RPM
Chuck Size	6 mm (1/4 inch)
Handle Material	Rubber
Product Dimensions	23L x 6W x 17H cm
Weight	Approx. 0.3 kg
Charging Port	Type-C

10. Warranty and Support

Goldsea products are manufactured to high-quality standards. For warranty information, please refer to the terms and conditions provided at the point of purchase or contact your retailer. If you require technical assistance or have questions regarding your product, please contact Goldsea customer support through the official website or your purchase platform.

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