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GROWNEER digital torque screwdriver

GROWNEER Digital Torque Wrench User Manual

Model: digital torque screwdriver (1.5-30 Nm)

1. Introduction

Thank you for choosing the GROWNEER Digital Torque Wrench. This precision tool is designed for accurate torque application, essential for maintaining bicycles, motorcycles, firearms, and other equipment. Featuring a digital display, multiple measurement units, and audible/visual alerts, this wrench ensures precise fastening and prevents over-tightening. Please read this manual thoroughly before use to ensure proper operation and longevity of your tool.

2. Product Overview

The GROWNEER Digital Torque Wrench offers high accuracy and user-friendly features for various applications. It comes as a comprehensive set, ready for immediate use.

Key Features:

- **High Accuracy:** ±2% clockwise and ±3% counter-clockwise within a 1.5-30 Nm range.
- **Digital Display:** Real-time torque value display on a large, backlit LCD screen for easy reading in any lighting condition.
- **Multiple Units:** Switch between N-m, kgf-cm, lb-ft, and lb-in.
- **Dual Warning System:** Buzzer and LED indicators alert you as you approach and reach the preset torque value, preventing under or over-tightening.
- **Data Storage:** Stores up to 500 sets of historical data for review.
- **Ergonomic Design:** Anti-slip handle for comfortable and secure grip, reducing hand fatigue.
- **Quick-Change Ratchet Head:** Allows for easy attachment of different sockets and bits.

Included Components (41-in-1 Set):

- 1 x GROWNEER Digital Torque Wrench
- 13 x Sockets
- 20 x Bits (PH0, PH1, PH2, PH3, T8, T10, T15, T20, T25, T27, T30, T40, H2, H2.5, H3, H4, H5, H6, H7, H8, H10, SL4, SL8)
- 1 x Bit Adapter

- 1 x Screwdriver
- 1 x AAA Battery
- 1 x Storage Case
- 1 x Extension Bar



Image: The complete 41-in-1 set of the GROWNEER Digital Torque Wrench, including the wrench, various sockets, bits, and accessories, neatly arranged in its storage case.



Image: An overview of the digital torque wrench highlighting its key features: Torque Instant Display, 4 Units Switching, Buzzer & LED Alert, and 500 Data Storage.

3. Setup

1. **Battery Installation:** Open the battery compartment (usually at the base of the handle). Insert the provided AAA battery, ensuring correct polarity. Close the compartment securely.

2. **Power On:** Press the power button (often labeled 'C' or 'ON/OFF') to turn on the wrench. The LCD screen will illuminate.
3. **Attach Accessories:** Select the appropriate socket or bit for your task. Attach it firmly to the quick-change ratchet head.

4. Operating Instructions

4.1 Setting Torque Value

1. **Select Mode:** Press the 'M' button to cycle through different operating modes (e.g., Peak Hold, Track Mode). For setting a target torque, you will typically use a mode that allows pre-setting.
2. **Adjust Torque:** Use the Up/Down arrow buttons to increase or decrease the desired torque value. The value will be displayed on the LCD screen. The wrench supports 6 preset modes for quick selection.
3. **Confirm Setting:** Once the desired torque is set, the wrench is ready for use.



Image: The digital torque wrench displaying a precise torque value (30.00) on its LCD screen, illustrating the ease of setting and monitoring compared to a traditional torque wrench.

4.2 Changing Measurement Units

Press the 'U' button to cycle through the available measurement units: N-m, In-lb, Kgf-cm, and Ft-lb. Select the unit appropriate for your task.

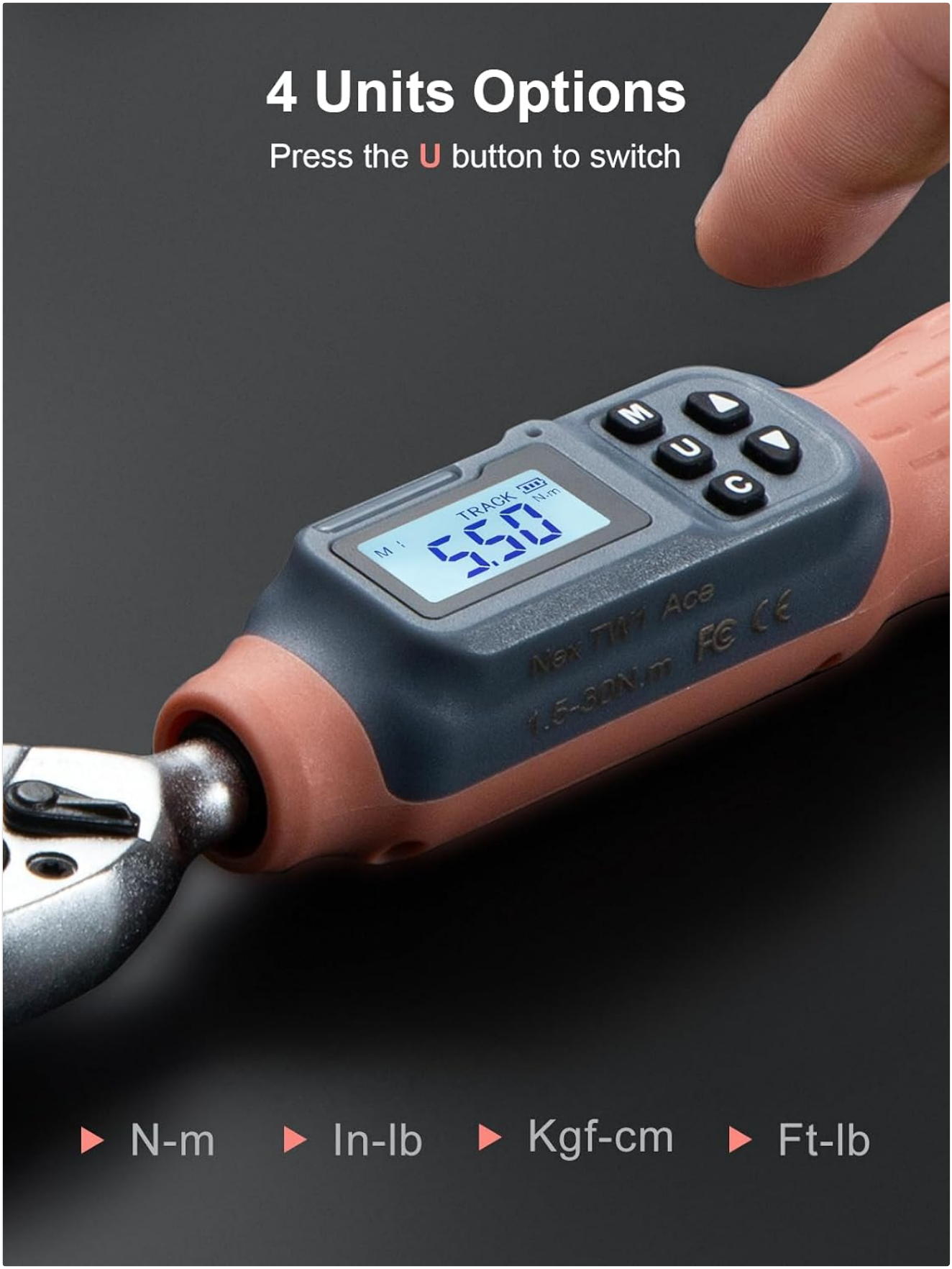


Image: A close-up of the digital torque wrench's control panel, showing the 'U' button used to switch between the four unit options: N-m, In-lb, Kgf-cm, and Ft-lb.

4.3 Applying Torque

1. Place the attached socket/bit onto the fastener.
2. Apply steady, smooth force to the wrench handle.
3. Observe the digital display for the real-time torque value.

4. As you approach the preset torque, the LED indicator will flash, and the buzzer will sound, increasing in frequency as you get closer.
5. Stop applying force immediately when the wrench indicates that the preset torque has been reached (e.g., continuous buzzer, solid LED).



Image: The digital torque wrench in use on a bicycle wheel, showing the instant torque display on the LCD screen and indicating high accuracy for both clockwise (CW ±2%) and counter-clockwise (CCW ±3%) applications.

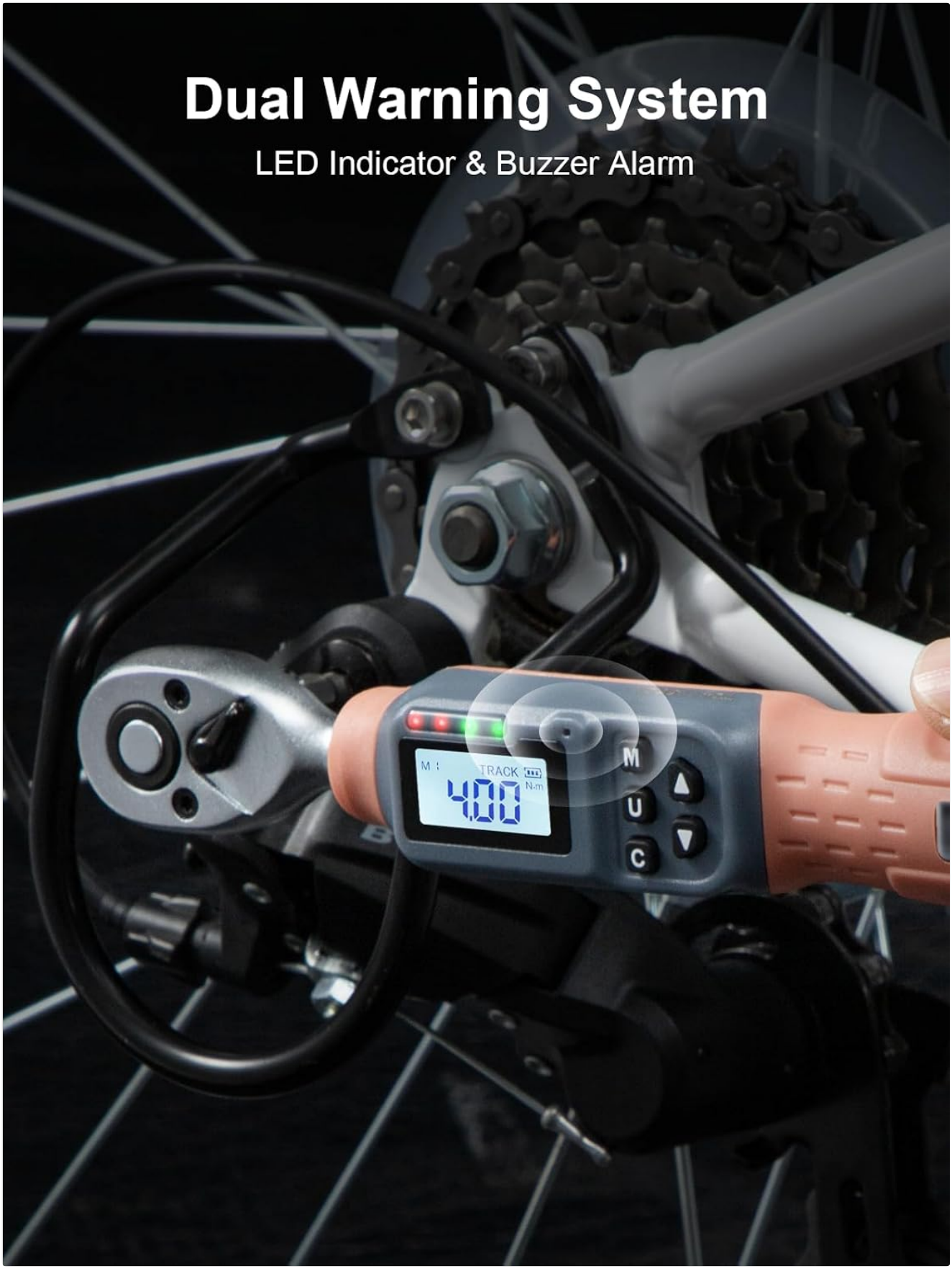


Image: The digital torque wrench being used on a bicycle chain, with the LCD screen showing a torque value and the LED indicator and buzzer icon highlighting the dual warning system for precise torque application.

4.4 Button Operation Lock

To prevent accidental changes during operation, you can lock the unit and torque adjustment buttons. Long press the 'M' button for 3 seconds to activate the lock. Long press again for 3 seconds to unlock.



Image: A hand demonstrating the button operation lock feature by long-pressing the 'M' button for 3 seconds to prevent accidental changes to settings during use.

5. Maintenance

- **Cleaning:** Wipe the wrench with a clean, dry cloth after each use. Do not use abrasive cleaners or solvents.
- **Storage:** Store the wrench and its accessories in the provided storage case in a dry, cool place, away from

direct sunlight and extreme temperatures.

- **Battery Care:** Remove the AAA battery if the wrench will not be used for an extended period to prevent leakage.
- **Calibration:** For professional applications requiring certified accuracy, periodic calibration by a qualified service center is recommended.

6. Troubleshooting

- **Wrench does not power on:** Check battery installation and ensure the battery has sufficient charge. Replace if necessary.
- **Inaccurate readings:** Ensure the correct unit is selected. Avoid dropping or impacting the wrench, as this can affect calibration. If issues persist, consider professional calibration.
- **Buzzer/LED not working:** Check battery level. Ensure the wrench is in an appropriate operating mode where alerts are active.
- **Buttons unresponsive:** Check if the button lock feature is activated. Long press the 'M' button for 3 seconds to unlock.

7. Specifications

Feature	Specification
Model Number	digital torque screwdriver
Torque Range	1.5-30 Nm (1.1-22.1 Ft-lbs)
Accuracy	±2% Clockwise, ±3% Counter-clockwise
Chuck Size	1/4" (0.63 cm)
Measurement Units	N-m, kgf-cm, lb-ft, lb-in
Operating Mode	Peak / Track
Data Storage	Up to 500 sets
Power Source	1 x AAA Battery
Material	Alloy Steel
Item Length	10 Inches (approx. 25.4 cm)
Item Weight	3 lbs (approx. 1.36 kg)
Color	Orange



Image: A detailed view of the GROWNEER Digital Torque Wrench, illustrating its dimensions (21.1 cm / 8.3 inches length, 2.4 cm / 0.94 inches width) and key specifications such as model, chuck size, torque range, unit options, accuracy, and working mode.

8. Safety Information

- **Do Not Overload:** Exceeding 120% of the maximum torque value (30 Nm) can permanently damage the wrench and compromise its accuracy.
- **Handle with Care:** Avoid dropping or subjecting the wrench to strong impacts.
- **Moisture Protection:** If the wrench accidentally gets wet, immediately wipe it thoroughly with a dry towel. Saltwater can cause significant damage to the internal components.
- **Proper Use:** Always use the correct size socket or bit for the fastener to prevent stripping and ensure accurate torque application.
- **Personal Protective Equipment:** Wear appropriate safety glasses when using tools.

9. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the documentation included with your purchase or contact GROWNEER customer service through their official website or the retailer where the product was purchased. Please retain your proof of purchase for warranty claims.

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