

GOYOJO GMS8

GOYOJO GMS8 Preset Torque Screwdriver User Manual

Model: GMS8 | Torque Range: 0.2-1.2 Nm (1.77-10.62 in-lbs)

1. INTRODUCTION

Thank you for choosing the GOYOJO GMS8 Preset Torque Screwdriver. This tool is designed for precision applications requiring specific torque settings, ensuring fasteners are tightened accurately to prevent damage from over-tightening or loosening from under-tightening. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your torque screwdriver.

Please read this manual thoroughly before using the product and retain it for future reference.

2. PRODUCT OVERVIEW

The GOYOJO GMS8 is a 1/4" drive preset torque screwdriver featuring a durable construction and an ergonomic design. It is suitable for a variety of tasks requiring precise torque application.

2.1 Key Features

- **Precision Torque Range:** 0.2-1.2 N.m (1.77-10.62 in-lbs) with an accuracy margin of $\pm 6\%$.
- **Audible Click Mechanism:** Provides a clear "click" sound when the preset torque is reached, preventing over-tightening.
- **Durable Construction:** Made from premium nylon and alloy steel for wear resistance and longevity.
- **Magnetic Bit Holder:** 1/4" hex magnetic bit holder for quick and secure bit changes.
- **Ergonomic Design:** Non-slip handle designed to reduce user fatigue during extended use.
- **Versatile Application:** Ideal for bicycle repair, gun mounting, furniture assembly, and other precision tasks.

2.2 Components



Figure 1: GOYOJO GMS8 Preset Torque Screwdriver with various bits and a protective storage case.

- Torque Screwdriver Handle
- 1/4" Hex Magnetic Bit Holder (integrated)
- Torque Adjustment Mechanism
- Torque Display Scale (N.m and in-lbs)
- Assorted Alloy Steel Bits (e.g., Phillips, Flat, Torx, Hex)
- Storage Case

3. SETUP AND TORQUE ADJUSTMENT

Before using the torque screwdriver, it is crucial to set the desired torque value accurately.

3.1 Installing a Bit

1. Select the appropriate 1/4" hex bit for your application.
2. Insert the bit firmly into the magnetic bit holder at the end of the screwdriver. The magnet will secure the bit in place.

3.2 Setting the Torque Value

EASY TO READ AND USE



Figure 2: Torque adjustment mechanism showing lock, rotate, and pull down unlock actions.

1. **Unlock:** Pull down the unlocking adjustment wheel located at the base of the handle. This disengages the locking mechanism, allowing for torque adjustment.
2. **Adjust:** Rotate the handle to align the desired torque value with the indicator line on the scale. The scale displays values in both Newton-meters (N.m) and inch-pounds (in-lbs).
3. **Lock:** Once the desired torque is set, release the unlocking adjustment wheel. It will spring back into place, locking the setting. Ensure the wheel is fully engaged to prevent accidental changes during use.



Figure 3: Detailed view of the torque range scale, indicating 0.2-1.2 N.m (1.77-10.62 in-lbs).

The torque scale is clearly marked for easy reading. For example, to set 0.8 N.m, rotate the handle until the 0.8 mark aligns with the indicator.

4. OPERATING INSTRUCTIONS

Follow these steps for proper operation of your GOYOJO GMS8 torque screwdriver:

1. **Prepare the Fastener:** Ensure the fastener and the mating thread are clean and free of debris.
2. **Position the Tool:** Place the installed bit onto the head of the fastener. Apply steady, downward pressure to keep the bit engaged.
3. **Apply Torque:** Rotate the screwdriver handle clockwise (for right-hand threads) smoothly and steadily.
4. **Listen for the Click:** Continue rotating until you hear and feel a distinct "click." This indicates that the preset torque value has been reached.
5. **Stop Applying Force:** Immediately stop applying rotational force once the click is heard. Further tightening will result in over-torquing.
6. **Remove the Tool:** Carefully remove the screwdriver from the fastener.

For left-hand threads, rotate counter-clockwise. Always ensure the bit is fully seated in the fastener head to prevent cam-out and damage.



Figure 4: Example of the torque screwdriver in use for precision assembly, such as scope mounting.

MULTI-FUNCTIONAL TOOLS

Can be used for bicycle repair



Figure 5: The torque screwdriver is suitable for various applications, including bicycle maintenance.

5. MAINTENANCE AND STORAGE

Proper maintenance ensures the longevity and accuracy of your torque screwdriver.

- **Cleaning:** Wipe the screwdriver with a clean, dry cloth after each use. Do not use solvents or harsh chemicals, as they may damage the finish or internal components.
- **Storage:** Store the torque screwdriver in its protective case in a dry, clean environment, away from extreme temperatures and humidity.
- **Reset Torque:** For long-term storage, it is recommended to reset the torque setting to its lowest value (0.2 N.m) to relieve tension on the internal spring mechanism.
- **Calibration:** Torque tools require periodic calibration to maintain accuracy. Consult a professional calibration service annually or if you suspect accuracy issues.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No audible "click" when torque is reached.	<ul style="list-style-type: none">Torque setting is too low for the application.Tool is not being rotated smoothly.Internal mechanism issue.	<ul style="list-style-type: none">Verify the required torque for the fastener and adjust the tool accordingly.Apply steady, continuous rotation.If the issue persists, contact customer support.
Torque setting changes during use.	<ul style="list-style-type: none">Adjustment wheel not fully locked.	<ul style="list-style-type: none">Ensure the unlocking adjustment wheel is fully released and engaged after setting the torque.
Bit slips or cam-out occurs.	<ul style="list-style-type: none">Incorrect bit size or type for the fastener.Insufficient downward pressure.Worn bit or fastener head.	<ul style="list-style-type: none">Use the correct bit for the fastener.Apply firm, consistent downward pressure while rotating.Replace worn bits or fasteners.

7. SPECIFICATIONS

Model Name	GOYOJO GMS8 Preset Torque Screwdriver
Part Number	LC-8.19-Power Screwdrivers 61
Torque Range	0.2-1.2 N.m (1.77-10.62 in-lbs)
Accuracy	±6%
Drive Size	1/4" Hex
Material	Nylon, Alloy Steel
Color	Blue
Product Dimensions (L x W x H)	15.49 x 3.3 x 15.49 cm (6.1 x 1.3 x 6.1 inches)
Item Weight	199.58 g (0.44 lbs)
Head Style	Phillips, Flat (with included bits)
Special Feature	Magnetic Drill Bit Holder
Included Components	Bit Holder, Handle, Assorted Bits, Storage Case

8. WARRANTY AND SUPPORT









GOYOJO stands behind the quality of its products.

- Warranty:** This product is covered by a 1-year warranty from the date of purchase.
- After-Sales Support:** We offer permanent after-sales support. If you encounter any issues or have questions regarding your GOYOJO GMS8 Preset Torque Screwdriver, please contact our dedicated

customer service team. We aim to provide assistance within 24 hours.

For support, please refer to the contact information provided with your purchase or visit the official GOYOJO website.

Related Documents - GMS8

 <p>MONOCULAR OUTDOOR THERMAL IMAGING TELESCOPE INSTRUCTION MANUAL</p> <p>GR225/GR235/GR325/GR335/GR335L</p>	<p>GOYOJO GR Series Thermal Imaging Monocular Instruction Manual</p> <p>Comprehensive instruction manual for GOYOJO GR225, GR235, GR325, GR335, and GR335L thermal imaging monoculars. Covers product operation, safety, maintenance, and features for outdoor thermal imaging applications.</p>
 <p>THERMAL IMAGING MONOCULAR USER MANUAL</p>	<p>GOYOJO Thermal Imaging Monocular User Manual</p> <p>Comprehensive user manual for the GOYOJO Thermal Imaging Monocular, detailing safety instructions, product overview, performance specifications, operating instructions, maintenance, and device information.</p>
<p>Water Activity Meter WA-160A Calibration</p> <p>1. Press the Power Key to turn on the meter.</p>  <p>2. Put the meter on the standard cell, the reading 0.30 is displayed.</p>  <p>3. The standard cell is 0.33, the reading is 0.30 higher.</p> 	<p>Water Activity Meter WA-160A Calibration Guide</p> <p>Step-by-step instructions for calibrating the GOYOJO Water Activity Meter WA-160A, ensuring accurate moisture readings.</p>
 <p>C10/C15 Infrared Thermal Imaging Telescope</p>	<p>GOYOJO C10/C15 Infrared Thermal Imaging Telescope User Manual</p> <p>User manual for the GOYOJO C10/C15 Infrared Thermal Imaging Telescope, covering important instructions, product specifications, button functions, settings, connectivity via the IR-TRACKER V app, charging, and warranty information.</p>
 <p>GRL SERIES USER MANUAL</p>	<p>GOYOJO GRL Series Thermal Imaging Scope User Manual - GRL325, GRL335</p> <p>Comprehensive user manual for the GOYOJO GRL Series thermal imaging scopes, detailing product description, specifications, operation, maintenance, and troubleshooting for models like GRL325 and GRL335.</p>
 <p>GRL SERIES USER MANUAL</p>	<p>GOYOJO GRL Series Thermal Scope User Manual</p> <p>This user manual provides comprehensive instructions for the GOYOJO GRL Series thermal scopes, detailing product features, specifications, installation, operation, maintenance, and troubleshooting for models like the GRL325 and GRL335.</p>