

## Fanttik WB10 NOVA

# Fanttik WB10 Nova 1/4 Inch Drive Mini Bike Torque Wrench Set User Manual

Model: WB10 NOVA

## INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your Fanttik WB10 Nova 1/4 Inch Drive Mini Bike Torque Wrench Set. This tool is designed for precise torque applications on bicycles, particularly those with carbon fiber components, to prevent overtightening and damage. Please read this manual thoroughly before operating the device and retain it for future reference.

## WHAT'S IN THE BOX

The Fanttik WB10 Nova Torque Wrench Set includes the following components:

- Torque Wrench (1 pc)
- 1/4" Extension Bar (1 pc)
- 1/4" Screwdriver Bit Adapter (1 pc)
- Tire Levers (2 pcs)
- Screwdriver Bits (14 pcs): Slotted (SL3, SL4), Hex (H2, H2.5, H3, H4, H5, H6), Phillips (PH1, PH2), Torx (T10, T15, T20, T25)
- Tire Patches (6 pcs)
- Tire Repair Sandpaper (1 pc)
- PU Bag (1 pc)
- Bag Straps (2 pcs)
- User Manual (1 pc)
- Certificate of Calibration (1 pc)

# WHAT'S IN THE BOX?

The image displays the following items:

- Fanttik Air Inflator:** A black, cylindrical device with a yellow "Fanttik" logo. Dimensions are shown as 6.9" in length and 3.3" in width. It features a black handle and a yellow nozzle.
- Carrying Case:** A black, rectangular case with a yellow "Fanttik" logo and a black strap.
- Straps:** Two black, coiled straps with black plastic buckles.
- Nozzles:** A set of 12 different sized nozzles arranged in a black holder.
- Valves:** A red and a yellow plastic valve, both labeled "118PSI".
- Accessories:** A small black square of material, a silver metal rod, and a silver metal cap.

Feature	Detail
Brand	Fanttik
Model Number	WB10 NOVA

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Torque Range	2-10 Nm (1.47-7.37 ft-lb)
Accuracy	±4%
Drive Size	1/4 Inch
Ratchet Teeth	72-Tooth
Material	Aluminum (Wrench Body), Chromium-Vanadium Steel (Bits)
Item Length	5.7 Inches
Item Weight	0.47 Kilograms (approx. 1.04 pounds)
Included Bits	Slotted, Phillips, Hex, Torx (14 total)

## SETUP

Before using the torque wrench, ensure all components are present and in good condition. No assembly is required for the main torque wrench unit itself, but bits and adapters need to be installed.

1. **Select the Correct Bit:** Identify the appropriate screwdriver bit for your application from the included 14-piece set.
2. **Install the Bit:**
  - Press the push button on the ratchet head to release the locking mechanism.
  - Insert the selected bit or the 1/4" Screwdriver Bit Adapter into the ratchet head.
  - Ensure the bit is fully seated and the locking mechanism engages securely.

# QUICK INSTALL



Image: A hand demonstrating how to press the button and insert a bit into the torque wrench head for quick installation.

3. **Attach Extension Bar (Optional):** If additional reach is needed, insert the 1/4" Extension Bar into the ratchet head before attaching a bit.

## OPERATING INSTRUCTIONS

Follow these steps to accurately apply torque using your Fanttik WB10 Nova torque wrench:

### 1. Understanding the Torque Wrench Components





# PRECISION TORQUE WRENCH

Torque value: 2-10N.m

① Torque Scale

Lock/Unlock Handle ②

③ Ratchet Head

④ Push Button

Forward/Reverse Knob ⑤

Image: A detailed view of the torque wrench highlighting its key components: Torque Scale, Lock/Unlock Handle, Ratchet Head, Push Button, and Forward/Reverse Knob.

1. **Torque Scale:** Displays the set torque value.
2. **Lock/Unlock Handle:** Used to secure or adjust the torque setting.
3. **Ratchet Head:** Holds the bits and applies torque.
4. **Push Button:** Releases bits from the ratchet head.
5. **Forward/Reverse Knob:** Changes the direction of the ratchet mechanism.

## 2. Setting the Torque Value

1. **Unlock:** Pull down the Lock/Unlock Handle at the bottom of the wrench.

2. **Adjust:** Rotate the handle to set the desired torque value on the Torque Scale. The white printed numbers are designed for high visibility.
3. **Lock:** Release the Lock/Unlock Handle to secure the set torque value. Ensure it clicks into place to prevent accidental changes during use.



Image: A visual guide demonstrating the four steps to set the torque: pull down to unlock, rotate to set value, release to lock, and the audible click when torque is reached.

### 3. Applying Torque

1. **Select Direction:** Use the Forward/Reverse Knob on the ratchet head to select the desired tightening or loosening direction. The 72-tooth reversible ratchet allows for operation in tight spaces.
2. **Apply Force:** Place the wrench onto the fastener. Apply smooth, even force to the wrench handle.
3. **Listen for Click:** Continue applying force until an audible "click" sound is heard and a slight impulse is felt. This indicates that the preset torque value has been reached.
4. **Stop Immediately:** Cease applying force immediately after the click. Continuing to apply force will overtighten the fastener beyond the set torque.

# PRECISION FITS IN PALM



Image: A hand using the Fanttik WB10 Nova torque wrench to tighten a bolt on a bicycle wheel, illustrating the "click" stop mechanism.

## 4. General Usage Scenarios

The Fanttik WB10 Nova is suitable for various bicycle maintenance tasks:

- **Installing Components:** Use for precise tightening of bottle cages, handlebars, seatposts, and other accessories.





Image: A person using the torque wrench to install a bottle cage on a bicycle frame.

- **Repairing:** Ideal for adjusting derailleurs, brakes, and other critical components where specific torque is required.

## WHY CHOOSING US?

	OURS	OTHERS
Min. Setting	For Carbon Fiber Bikes [0.1 Nm]	For General Bikes [0.5-2 Nm]
Size	Palm Size	At Least Twice Our Size
Scenarios	Take It Anywhere	Workbench Only
Usage	Repairing, Tire Prying, Tire Patching	Basic Repairing

**VS**

Image: A person using the torque wrench to perform a repair on a bicycle's rear derailleur.

- **Maintaining:** Regular checks and tightening of bolts to manufacturer specifications.

**TO MAINTAIN ACCURACY AND EXTEND TORQUE WRENCH LIFE, PLEASE NOTE:**

**Operate gently:** Apply force evenly and stop immediately after the "click" sound-do not continue to apply force.

**Stay within range:** Never exceed maximum capacity. For best results, use between 20%-80% of the range.

**Store correctly:** After use, return scale to minimum torque, clean, and store the torque wrench in a dry case.

**CALIBRATION:**

Recalibrate every 2 years or after 5,000 uses. For light use, recalibrate every 3 years. Use only ISO/IEC 17025 accredited providers or consult a local tool supplier. Do not attempt calibration yourself.

The image shows a 'Certificate of Calibration' for a torque wrench, model WB10 NOVA, with a range of 2-10 Nm. It includes a table of calibration points and a table of results. The certificate is signed by a technician and includes the SGS logo.

Image: A person using the torque wrench to maintain the handlebar stem bolts on a bicycle.

- **Tire Repair:** The kit includes tire levers, patches, and sandpaper for roadside tire repairs.



Image: Hands using the included tire levers to remove a bicycle tire from the rim.





Image: A hand applying a tire patch to a bicycle inner tube after preparing the surface with sandpaper.

## MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your torque wrench:

- **Clean After Use:** After each use, promptly wipe the torque wrench and bits clean with a soft, dry cloth. Avoid using harsh chemicals or solvents.
- **Storage:** Store the torque wrench in its provided PU bag in a cool, dry place. Do not store the wrench with a torque value set; always return the scale to its minimum torque setting (2 Nm) before storage to relieve spring tension and maintain accuracy.
- **Operating Range:** For best results and to extend tool life, use the torque wrench within 20-80% of its full range (approximately 3-8 Nm). Never exceed the maximum capacity of 10 Nm.
- **Calibration:** Torque wrenches are precision instruments that require periodic calibration.
  - For regular use, recalibrate every 2 years or after 5,000 uses, whichever comes first.
  - For light use, recalibrate every 3 years.
  - Calibration should be performed by ISO/IEC 17025 accredited providers or a local tool supplier. Do not attempt to calibrate the wrench yourself.



Image: A graphic detailing important maintenance tips and calibration recommendations for torque wrenches, including certificates of calibration.

# TROUBLESHOOTING

If you encounter issues with your Fanttik WB10 Nova torque wrench, consider the following:







Problem	Possible Cause	Solution
Wrench does not "click" at set torque.	<ul style="list-style-type: none"> <li>Torque setting is too low for the fastener.</li> <li>Fastener is already overtightened.</li> <li>Wrench is faulty or out of calibration.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure the set torque is appropriate for the fastener.</li> <li>Do not force the wrench if resistance is too high.</li> <li>If issues persist, contact customer support for calibration or replacement.</li> </ul>
Bit falls out of ratchet head.	<ul style="list-style-type: none"> <li>Bit not fully inserted.</li> <li>Push button not released after insertion.</li> <li>Ratchet head mechanism is worn.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure bit is fully seated and push button is released.</li> <li>Inspect the ratchet head for damage. Contact support if worn.</li> </ul>
Difficulty adjusting torque value.	<ul style="list-style-type: none"> <li>Lock/Unlock Handle not fully pulled down.</li> <li>Internal mechanism is stiff or dirty.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure the handle is fully disengaged before rotating.</li> <li>Clean the wrench and ensure it's free of debris.</li> </ul>

# WARRANTY AND SUPPORT

Fanttik products are manufactured to high-quality standards. For warranty information, product support, or to inquire about calibration services, please refer to the official Fanttik website or contact their customer service directly.

**Online Support:** Visit [www.fanttik.com](http://www.fanttik.com) for FAQs, product registration, and contact information.

**Customer Service:** Refer to the contact details provided on your product packaging or the official website for assistance.

 <p>Fanttik NEX S2 Pro Cordless Screwdriver User Manual</p>	<p><a href="#">Fanttik NEX S2 Pro Cordless Screwdriver User Manual</a></p> <p>User manual for the Fanttik NEX S2 Pro Cordless Screwdriver, including safety instructions, package contents, product overview, operation, specifications, FCC warning statement, and warranty information.</p>
 <p>Fanttik X8 Ace AIR INFLATOR User Manual</p>	<p><a href="#">Fanttik X8 Ace Air Inflator User Manual - Portable Bike Tire Pump Guide</a></p> <p>Comprehensive user manual for the Fanttik X8 Ace portable digital air inflator. Learn how to use, maintain, and troubleshoot your bike pump for E-Bikes, Mountain Bikes, City Bikes, and Road Bikes. Includes specifications and warranty information.</p>
 <p>Fanttik Electric Precision Screwdriver Kit  NEX E1 Pro  User Manual</p>	<p><a href="#">Fanttik NEX E1 Pro Electric Precision Screwdriver Kit User Manual</a></p> <p>User manual for the Fanttik NEX E1 Pro Electric Precision Screwdriver Kit, detailing product overview, usage instructions, storage, and technical specifications.</p>
	<p><a href="#">Fanttik NEX S1 Pro Cordless Screwdriver Kit User Manual</a></p> <p>Comprehensive user manual for the Fanttik NEX S1 Pro Cordless Screwdriver Kit, detailing its features, usage, specifications, and warranty information.</p>
 <p>Fanttik NEX K2 Nano Electric Precision Drill Kit User Manual</p>	<p><a href="#">Fanttik NEX K2 Nano Electric Precision Drill Kit User Manual</a></p> <p>User manual for the Fanttik NEX K2 Nano Electric Precision Drill Kit. This guide covers safety warnings, package contents, product overview, operation instructions, technical specifications, and warranty information for this rechargeable mini drill, ideal for DIY projects, electronics repair, and crafting.</p>
 <p>Fanttik NEX S1 Capsule Cordless Screwdriver User Manual</p>	<p><a href="#">Fanttik NEX S1 Capsule Cordless Screwdriver User Manual</a></p> <p>User manual for the Fanttik NEX S1 Capsule Cordless Screwdriver, providing safety warnings, product overview, usage instructions, specifications, and bit details.</p>