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› [Protmex 3/8-inch Cordless Ratchet Wrench User Manual](#)

Protmex RWN5202

Protmex 3/8-inch Cordless Ratchet Wrench User Manual

Model: RWN5202 | Brand: Protmex

1. SAFETY INSTRUCTIONS

Always read and understand all safety warnings and instructions before operating this tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** 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.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **Personal Safety:** Always wear eye protection. Use appropriate personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection for relevant conditions.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

2. PACKAGE CONTENTS

The Protmex 3/8-inch Cordless Ratchet Wrench kit includes the following items:

- 1 x 3/8-inch Cordless Ratchet Wrench
- 2 x 21V 2.0Ah Lithium-Ion Batteries
- 1 x Fast Charger
- 8 x Sockets (10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm)
- 1 x 1/4-inch Drive Adapter
- 1 x 3-inch Extension Rod
- 1 x Hard Carrying Case
- 1 x User Manual (this document)

What You Get



Image: Complete kit contents of the Protmex 3/8-inch Cordless Ratchet Wrench.

3. PRODUCT OVERVIEW

The Protmex 3/8-inch Cordless Ratchet Wrench is designed for efficient and convenient fastening and unfastening tasks. It features a powerful motor and user-friendly design for various applications.

- **Powerful Motor:** Driven by a 21V pure copper motor, providing up to 60FT-LBS (80N.m) of torque.
- **Variable Speed Trigger:** Offers a 0-400 RPM variable speed for precise control.
- **Compact Design:** Ultra-thin head design allows access to tight spaces.
- **Ergonomic Grip:** Insulated soft grip absorbs impact and reduces hand fatigue.
- **Built-in LED Light:** Illuminates the work area for improved visibility in dark environments.
- **Battery Indicator:** Displays the remaining battery charge.
- **Forward/Reverse Switch:** Easily change rotation direction for tightening or loosening.

LIGHTWEIGHT RATCHET WRENCH DESIGN



Image: Key features and components of the Protmex Cordless Ratchet Wrench.

APPLICATION SCENARIOS OF DIFFERENT SOCKET SIZES

Meet Your Various Needs



Image: Electric ratchet wrench offers significant time and effort savings compared to a hand ratchet.

4. SETUP

1. **Charge the Battery:** Before first use, fully charge both 21V 2.0Ah Lithium-Ion batteries using the provided fast charger. The battery indicator lights will show charging progress.
2. **Install Battery:** Align the battery pack with the base of the ratchet wrench and slide it in until it clicks securely into place. Ensure the battery is fully seated.
3. **Attach Socket/Adapter:** Select the appropriate socket size (10-17mm) or the 1/4-inch drive adapter. For hard-to-reach areas, attach the 3-inch extension rod first, then the desired socket or adapter. Push the socket/adapter firmly onto the 3/8-inch square chuck until it locks.



Image: The kit includes two high-capacity 21V 2.0Ah batteries for extended use.

5. OPERATING INSTRUCTIONS

1. **Select Rotation Direction:** Use the forward/reverse switch located near the ratchet head to select the desired

rotation direction (clockwise for tightening, counter-clockwise for loosening).

2. **Activate Tool:** Press the variable speed trigger to start the ratchet. The speed of rotation is controlled by how much pressure is applied to the trigger. The built-in LED light will illuminate the work area when the trigger is pressed.
3. **Tightening/Loosening:** Apply the socket to the fastener and press the trigger. For final tightening or breaking loose very tight fasteners, the tool can also be used manually like a standard ratchet.
4. **Lock Button:** Use the lock button to prevent accidental activation when not in use.



Image: Variable speed trigger allows precise control from 0 to 400 RPM.

EASY TO USE

One Key Switch Tightening & Unscrewing



Image: Simple forward and reverse switch for efficient operation.

BUILT-IN LED LIGHT-ILLUMINATES YOUR WORKSPACE

Compact Design Fits Into Tight Spaces



Image: Built-in LED light enhances visibility in confined or dark areas.

Applications

The compact design and powerful motor make this ratchet wrench suitable for various light industrial and household tasks:

- Automotive repairs (e.g., engine compartments)
- Bicycle and motorcycle maintenance
- Furniture assembly
- General fastening and unfastening in tight spaces

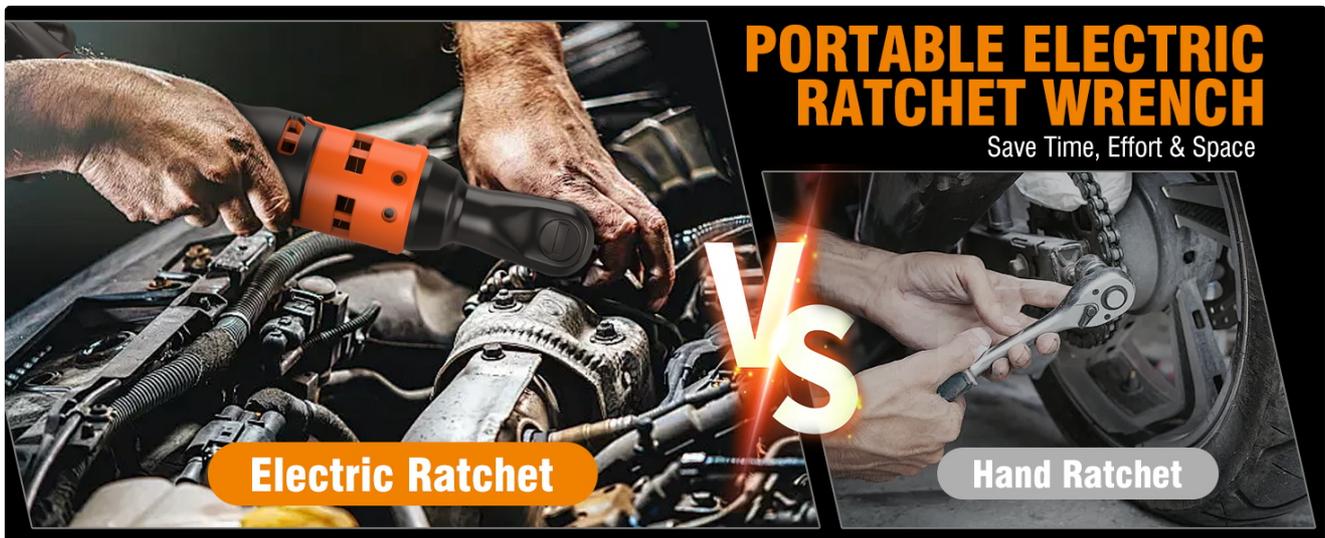


Image: Efficient use in automotive engine compartments.



Image: Ideal for bicycle and motorcycle repairs.



Image: Simplifies furniture assembly and other household projects.

6. MAINTENANCE

- **Cleaning:** Keep the tool clean and free from dust and debris. Use a soft, damp cloth for cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Battery Storage:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, ensure batteries are partially charged (around 50%).
- **Lubrication:** The internal mechanisms are factory-lubricated and generally do not require additional lubrication.
- **Inspection:** Regularly inspect the tool for any signs of damage, wear, or loose parts. Do not operate a damaged tool.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted.
Reduced power/torque	Low battery charge.	Recharge the battery.
Socket not holding	Socket not fully engaged or worn chuck.	Push socket firmly until it locks. Inspect chuck for wear.
Overheating	Prolonged heavy use.	Allow the tool to cool down. Avoid continuous heavy loads.

8. SPECIFICATIONS

Feature	Specification
Model	RWN5202
Drive Size	3/8 inch
Voltage	21V
Battery Capacity	2.0Ah Lithium Polymer
Max Torque	60 FT-LBS (80 N.m)
No-Load Speed	0-400 RPM
Item Weight	5.4 Pounds
Item Length	11.42 Inches
Material	Alloy Steel
Color	Orange

9. WARRANTY AND SUPPORT

Protmex products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official Protmex website. Please retain your proof of purchase for any warranty claims.

