Meagle IW10BL-1200S

Meagle 20V Max Brushless Cordless Impact Wrench IW10BL-1200S User Manual

Model: IW10BL-1200S

1. Important Safety Information

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep work area clean and well lit. 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. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection, hearing protection, and appropriate personal protective equipment. Dress properly; avoid loose clothing or jewelry.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

2. Product Overview

Familiarize yourself with the components of your Meagle 20V Max Brushless Cordless Impact Wrench IW10BL-1200S.

Figure 2.1: Meagle 20V Max Brushless Cordless Impact Wrench, front view.

This image displays the Meagle 20V Max Brushless Cordless Impact Wrench. It features an orange and black body with a silver impact head. The tool has a comfortable grip handle and a battery attached at the base. The 1/2 inch square drive is visible at the front.

Figure 2.2: Key components of the Meagle Impact Wrench and accessories.

This image highlights several key components: the 1-hour fast charger, the LED light located near the drive, the three-speed transmission for optimal speed and torque control, a 3-level battery indicator, and a USB port on the battery for charging external devices.

Figure 2.3: Detailed features of the Meagle Impact Wrench.

This image provides a detailed view of the impact wrench, pointing out its features: the 1/2" Square Drive, the Forward/Reversible Button, Variable Speed Control trigger, a Brushless Motor for extended lifespan and power, a Comfortable Grip with anti-slip design, a Cast Aluminum Gear Head, and the Max Capacity 2.0 Ah Battery.

3. Setup

3.1 Charging the Battery

1. Ensure the battery pack is clean and dry before charging.
2. Connect the charger to a standard electrical outlet.
3. Slide the battery pack onto the charger until it clicks into place.
4. Allow the battery to charge fully. The charger typically indicates charging status (e.g., red for charging, green for fully charged). A full charge usually takes approximately 1 hour.
5. Once charged, disconnect the battery from the charger and unplug the charger from the outlet.

3.2 Installing the Battery

- Align the charged battery pack with the base of the impact wrench.
- Slide the battery pack into the tool until it locks securely into position. Ensure it is firmly seated to prevent accidental dislodgement during operation.

3.3 Attaching Sockets

- Select the appropriate 1/2 inch square drive socket for your application.
- Push the socket firmly onto the 1/2 inch square drive anvil until it clicks into place. Ensure the socket is securely attached before use.

4. Operating Instructions

4.1 Powering On/Off and Variable Speed Control

- To power on the tool, press the variable speed trigger. The speed of the tool is controlled by the amount of pressure applied to the trigger.
- To power off, release the trigger.

4.2 Forward/Reverse Rotation

- The forward/reverse button (typically located above the trigger) controls the direction of rotation.
- Push the button to the left for forward rotation (tightening).
- Push the button to the right for reverse rotation (loosening).
- Ensure the tool is completely stopped before changing the direction of rotation.

4.3 3-Mode Control

The tool features a 3-mode control system, allowing for optimal speed and torque settings for various applications. Refer to the tool's interface for selecting the desired mode.

4.4 Auto Brake in Reverse Function

- This function is designed to automatically stop the impact wrench when a bolt is loose during reverse rotation, preventing over-loosening or dropping the fastener.
- To activate or deactivate this function, press the button labeled "B" on the tool's control panel.

4.5 LED Work Light

- The integrated LED light illuminates the work area when the trigger is pressed, improving visibility in dimly lit conditions.

Figure 4.1: Meagle Impact Wrench being used to remove a lug nut from a car tire.

This image shows the Meagle Impact Wrench in action, being used by a person to loosen a lug nut on a car tire. The tool's compact design allows for effective use in automotive applications.

Figure 4.2: Meagle Impact Wrench being used in an overhead application under a vehicle.

This image demonstrates the Meagle Impact Wrench being used for an overhead task, likely under a vehicle. The tool's lightweight and compact nature facilitate use in various orientations and confined spaces.

5. Maintenance

- **Cleaning:** Keep the tool's ventilation openings clean and free of debris to prevent overheating. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store battery packs in a cool, dry place away from direct sunlight and extreme temperatures. Do not store battery packs in a discharged state for extended periods.
- **Inspection:** Regularly inspect the tool for any signs of damage, loose fasteners, or worn parts. If any damage is found, discontinue use and have the tool serviced by a qualified technician.
- **Lubrication:** This tool features a brushless motor and sealed components, generally requiring no user lubrication.

6. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start or operate.	Battery not charged or improperly installed.	Ensure battery is fully charged and securely installed.
Reduced power or performance.	Low battery charge; tool overheating.	Recharge battery. Allow tool to cool down if used continuously.
Socket not attaching securely.	Incorrect socket size; debris in drive.	Use correct 1/2 inch square drive socket. Clean drive anvil.
Auto Brake in Reverse not functioning.	Feature deactivated.	Press the "B" button to activate the Auto Brake function.

7. Specifications

Feature	Detail
Model Number	IW10BL-1200S
Brand	Meagle
Power Source	20V DC Battery Powered
Motor Type	Brushless
Drive Size	1/2 inch Square Drive
Maximum Torque	365 ft-lbs (approximately 495 Nm)
Speed Control	Variable Speed Trigger, 3-Mode Control
Special Features	Auto Brake in Reverse, LED Work Light, USB Charging Port on Battery
Battery Type	Lithium Ion (4.0Ah included)
Item Weight	Approximately 3.8 pounds (tool only)
Material	Acrylonitrile Butadiene Styrene (ABS)
UPC	751565267543

8. Warranty and Support

For warranty information, technical support, or service inquiries regarding your Meagle 20V Max Brushless Cordless Impact Wrench IW10BL-1200S, please contact Meagle customer service directly. Refer to the product packaging or the official Meagle website for contact details.
Please retain your proof of purchase for any warranty claims.