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IBELL BS20-08

IBELL BS20-08 Cordless 8" Chain Saw User Manual

Model: BS20-08 | Brand: IBELL

1. Important Safety Instructions

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.

General Power Tool Safety

- Keep 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. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Chainsaw Specific Safety

- Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and sturdy footwear.
- Ensure the chain saw is properly assembled and the chain is tensioned correctly before each use.
- Hold the chain saw firmly with both hands when operating.
- Be aware of kickback. Avoid contact of the guide bar tip with any object.
- Do not operate the chain saw with one hand unless specifically designed for such operation and you are trained to do so. This model is designed for one-hand operation, but caution is still advised.

2. Product Overview

The IBELL BS20-08 Cordless 8" Chain Saw is a compact and powerful tool designed for efficient cutting tasks. It features a brushless motor for improved performance and durability.



Image: IBELL BS20-08 Cordless 8" Chain Saw, showing the saw, battery, and charger.

Component Identification



Image: Diagram illustrating the key components of the IBELL BS20-08 Chain Saw, including the Guide Bar, Saw Chain, Protective Shield, Bar Tightening Knob, Oil Tank Cover, Tension Adjusting Dial, Electric Motor Housing, Engine Stop Button, Engine Lock Button, and Control Handle.

- **Guide Bar:** Supports and guides the saw chain.
- **Saw Chain:** The cutting element of the saw.
- **Protective Shield:** Provides protection during operation.
- **Bar Tightening Knob:** Used to secure the guide bar.
- **Oil Tank Cover:** Access point for chain lubrication oil.
- **Tension Adjusting Dial:** For adjusting saw chain tension.
- **Electric Motor Housing:** Encases the brushless motor.
- **Engine Stop Button:** For immediate shutdown.
- **Engine Lock Button:** Safety feature to prevent accidental starting.
- **Control Handle:** For gripping and controlling the saw.

3. Setup and Assembly

Battery Charging and Installation

1. Before first use, fully charge the 4AH lithium battery using the provided charger. Connect the charger to a standard power outlet and insert the battery. The charger indicator will show charging status.
2. Once fully charged, disconnect the battery from the charger.
3. Align the battery pack with the battery port on the chain saw handle and slide it in until it clicks securely into place. Ensure it is firmly seated to prevent accidental dislodgement during operation.

Chain and Guide Bar Assembly (if not pre-assembled)

1. Ensure the battery is removed before any assembly or adjustment.
2. Place the saw chain around the guide bar, ensuring the cutting edges are facing the correct direction.
3. Fit the guide bar and chain onto the saw's drive sprocket.
4. Secure the guide bar with the bar tightening knob, leaving it slightly loose for tension adjustment.
5. Adjust the chain tension using the tension adjusting dial. The chain should be snug against the guide bar but still able to be pulled freely by hand. Refer to the diagram in Section 2 for component location.
6. Once tension is correct, fully tighten the bar tightening knob.

Adding Chain Lubrication Oil

- Locate the oil tank cover. Unscrew and remove it.
- Fill the oil tank with appropriate chain lubricant oil. Do not overfill.
- Replace the oil tank cover securely.
- This model features a transparent oil tank casing, allowing for easy monitoring of oil levels.

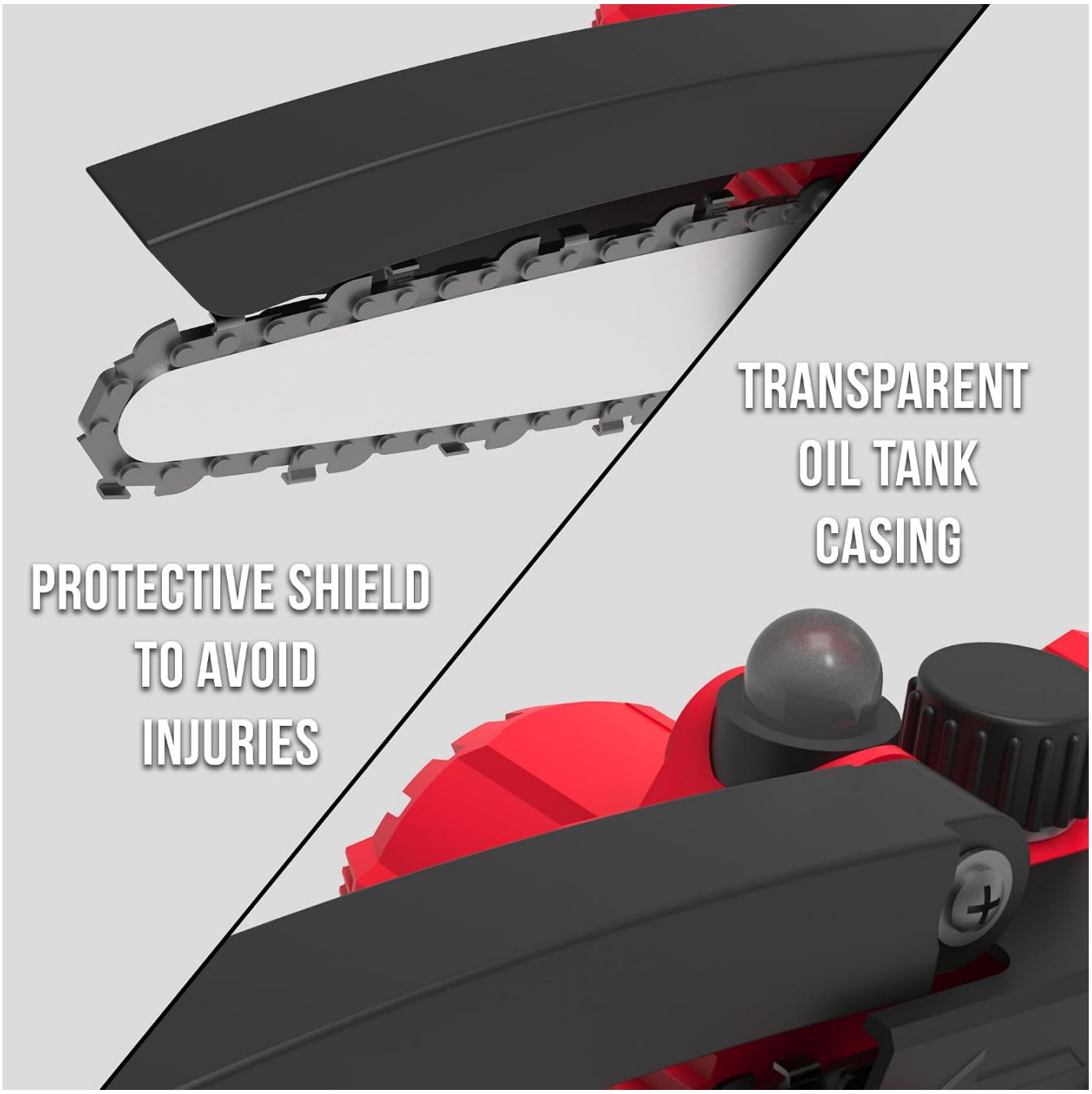


Image: Close-up view of the IBELL chain saw highlighting the transparent oil tank casing for easy level checks and the protective shield for user safety.

4. Operating Instructions

Starting the Chain Saw

1. Ensure the battery is fully charged and securely installed.
2. Hold the chain saw firmly with one hand on the control handle. This model is designed for convenient one-hand operation.
3. Press and hold the Engine Lock Button, then simultaneously press the Engine Stop Button (trigger) to start the saw. Release the Engine Lock Button once the saw is running.
4. Allow the chain to reach full speed before beginning a cut.



Image: The IBELL chain saw being held, illustrating its design for comfortable and efficient one-hand operation.

Making a Cut

- Always maintain a stable stance and clear surroundings.
- Place the moving chain against the material to be cut. Apply gentle, consistent pressure. Do not force the saw.
- The brushless motor provides high efficient cutting and powerful performance for various tasks.
- Be mindful of the cutting diameter, which is maximum 160mm for this model.
- Once the cut is complete, release the trigger to stop the chain.



Image: The IBELL chain saw in action, cutting through a log, highlighting its high efficient cutting capability.

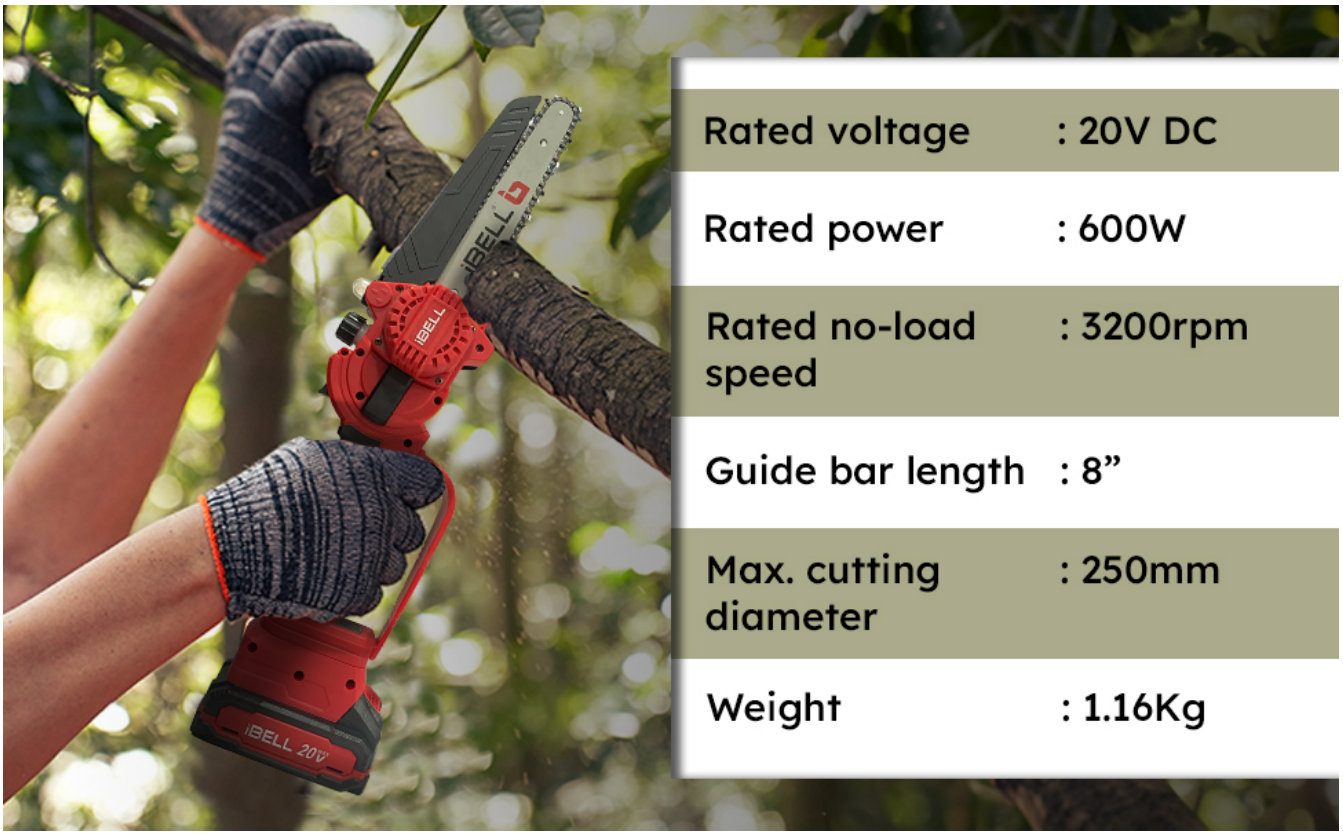


Image: A user demonstrating the use of the IBELL chain saw for pruning tree branches, showcasing its ease of use for household tasks.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your IBELL BS20-08 Chain Saw. Always ensure the battery is removed before performing any maintenance.

Cleaning

- After each use, clean sawdust and debris from the guide bar, chain, and motor housing. Use a brush or compressed air.
- Wipe down the exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

Chain Lubrication

- Regularly check the oil level through the transparent oil tank casing and refill as needed.
- Ensure the chain is adequately lubricated during operation. Some models may require manual activation of the lubrication system (e.g., pressing a rubber bulb) if not fully automatic.

Chain Sharpening and Replacement

- A dull chain will reduce cutting efficiency and increase strain on the motor. Sharpen the chain regularly or replace it when necessary.
- Refer to a qualified service technician for chain sharpening if you are unsure how to do it yourself.

Storage

- Store the chain saw in a dry, secure location, out of reach of children.
- Remove the battery before long-term storage.

6. Troubleshooting

Problem	Possible Cause	Solution
Chain saw does not start	Battery not charged or not properly installed. Engine lock button not pressed.	Ensure battery is fully charged and securely clicked into place. Press and hold the engine lock button before pressing the trigger.
Chain does not cut efficiently or stalls	Dull chain. Incorrect chain tension. Insufficient lubrication.	Sharpen or replace the chain. Adjust chain tension. Refill oil tank and ensure proper lubrication.
Excessive vibration	Loose chain. Damaged chain or guide bar.	Check and adjust chain tension. Inspect chain and guide bar for damage and replace if necessary.
Oil leakage	Oil tank cover not secured. Damaged oil seal.	Ensure oil tank cover is tightly closed. If leakage persists, contact customer support.

7. Specifications

Feature	Detail
Brand	IBELL
Model Number	BS20-08
Power Source	Battery Powered
Horsepower	600 Watts
Item Weight	2.2 Kilograms
Product Dimensions (L x W x H)	31.5L x 21.5W x 13.5H Centimeters
Chain Length	8 Inches
Max Cutting Diameter	160mm
Rated No-Load Speed	3800 RPM
Battery Type	4AH Lithium Battery
Rated Voltage	20V DC
Included Components	Chain Saw, 4AH Battery, Charger



Image: A visual representation of key specifications for the IBELL BS20-08 chain saw, including rated voltage, power, speed, guide bar length, and max cutting diameter.

8. Warranty and Support

Warranty Information

The IBELL BS20-08 Cordless 8" Chain Saw comes with a **1 Year Warranty** from the date of purchase. This warranty covers manufacturing defects and faulty workmanship under normal use. Please retain your purchase receipt as proof of purchase for warranty claims.

The warranty does not cover damage caused by misuse, abuse, neglect, unauthorized repairs, or normal wear and tear.

Customer Support

For technical assistance, warranty claims, or spare parts inquiries, please contact IBELL customer support. While spare parts availability has been noted as a concern by some users, IBELL strives to provide comprehensive support.

- **Manufacturer:** TSP TECHNOLOGIES, NINGBO, ZHEJIANG
- **Customer Service Contact:** 18001034090
- For further assistance, you may also visit the official IBELL store on Amazon: IBELL Store

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