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> [IBELL BS 20-08 Cordless Chainsaw Brushless User Manual](#)

IBELL IBL BS20-08(BMC)

iBELL BS 20-08 Cordless Chainsaw Brushless User Manual

Model: IBL BS20-08(BMC)

1. INTRODUCTION

Thank you for choosing the iBELL BS 20-08 Cordless Chainsaw Brushless. This powerful and efficient 20V wood cutting machine is designed for home users and professionals seeking a reliable tool for pruning, trimming, and general garden maintenance. Its brushless motor delivers 600W of power, making it an excellent alternative to traditional petrol chainsaws. This manual provides essential information for safe operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage.

2.1 General Safety Warnings

- **Read the entire manual:** Understand all instructions and warnings before operating the chainsaw.
- **Wear appropriate PPE:** Always wear safety glasses, hearing protection, gloves, and sturdy footwear. Consider a hard hat and leg protection.
- **Keep work area clear:** Ensure the area is free from obstacles, bystanders, and pets.
- **Do not operate in wet conditions:** Avoid using the chainsaw in rain or damp environments to prevent electric shock.
- **Maintain firm grip:** Always hold the chainsaw firmly with both hands during operation.
- **Avoid kickback:** Be aware of the chain's rotation direction and avoid cutting with the tip of the guide bar.
- **Proper ventilation:** Operate in a well-ventilated area.
- **Store safely:** When not in use, store the chainsaw in a dry, secure place out of reach of children.

2.2 Battery Safety

- Use only the specified charger and battery pack.
- Do not expose batteries to extreme temperatures or direct sunlight.

- Do not short-circuit the battery terminals.
- Dispose of batteries responsibly according to local regulations.

3. PRODUCT OVERVIEW

The iBELL BS 20-08 Cordless Chainsaw is designed for ease of use and efficient cutting. Familiarize yourself with its components before operation.



Figure 3.1: Complete package of the iBELL BS 20-08 Cordless Chainsaw, including the chainsaw unit, 4.0Ah battery, fast charger, and a durable BMC storage box.



Figure 3.2: The iBELL BS 20-08 Cordless Chainsaw and its accessories neatly organized within the robust BMC (Blow Molded Case) for convenient storage and transport.

ONE- HAND OPERATION

High quality chargeable lithium battery

Efficient brushless motor and light weight



Figure 3.3: Detailed diagram illustrating the key components of the iBELL BS 20-08 Chainsaw, including the Guide Bar, Saw Chain, Protective Shield, Bar Tightening Knob, Tension Adjusting Dial, Oil Tank Cover, Electric Motor Housing, Engine Stop Button, Engine Lock Button, and Control Handle.



Figure 3.4: Close-up view highlighting the protective shield designed to prevent injuries and the transparent oil tank casing for easy monitoring of lubricant levels.

3.1 Key Components

- **Guide Bar:** Supports and guides the saw chain.
- **Saw Chain:** The cutting element of the chainsaw.
- **Protective Shield:** Guards against debris and accidental contact.
- **Bar Tightening Knob:** Secures the guide bar in place.
- **Tension Adjusting Dial:** Allows for tool-free chain tension adjustment.
- **Oil Tank Cover:** Access point for chain lubrication oil.
- **Electric Motor Housing:** Encases the brushless motor.
- **Engine Stop Button:** For immediate power cut-off.
- **Engine Lock Button:** Safety mechanism to prevent accidental starts.
- **Control Handle:** Ergonomic grip for operation.

- **20V 4.0Ah Battery:** Provides cordless power.
- **Fast Charger:** For recharging the battery.
- **BMC Box:** Blow Molded Case for storage and transport.

3.2 Features

- **Efficient Brushless Motor:** Delivers 600W power for effective wood cutting.
- **8-Inch Chain Saw Bar:** Capable of cutting wood, logs, and branches up to 160mm.
- **Tool-Free Chain Adjustment:** Easily adjust chain tension without additional tools.
- **Lightweight and Portable:** Weighing just 1.10Kg, it's easy to handle and carry.
- **Rotatable Head:** Allows for angle adjustment for perfect cuts.
- **Transparent Oil Tank Casing:** Enables easy monitoring of oil levels.

4. SETUP

Proper setup is crucial for safe and efficient operation.

4.1 Charging the Battery

1. Connect the fast charger to a suitable power outlet.
2. Insert the 20V 4.0Ah battery into the charger.
3. Allow the battery to charge fully. The charger's indicator light will signal when charging is complete.
4. Disconnect the battery from the charger once fully charged.

4.2 Installing the Guide Bar and Chain

1. Ensure the battery is removed from the chainsaw.
2. Loosen the Bar Tightening Knob and remove the side cover.
3. Carefully place the saw chain around the sprocket and guide bar, ensuring the cutting edges are facing the correct direction.
4. Align the guide bar with the mounting studs on the chainsaw body.
5. Replace the side cover and lightly tighten the Bar Tightening Knob.

4.3 Adjusting Chain Tension

The iBELL BS 20-08 features tool-free chain adjustment.

1. With the side cover lightly tightened, rotate the Tension Adjusting Dial to achieve proper chain tension. The chain should be snug against the guide bar but still able to be pulled freely by hand.
2. Once the tension is correct, fully tighten the Bar Tightening Knob to secure the guide bar and chain.
3. *Note:* Chain tension may need to be adjusted frequently during initial use as the chain stretches.

4.4 Adding Chain Lubrication Oil

The chainsaw requires lubrication for the chain and guide bar. Oil is not included with the product.

1. Ensure the chainsaw is off and the battery is removed.
2. Unscrew the Oil Tank Cover.
3. Fill the oil tank with appropriate chain lubricant (e.g., bar and chain oil). Do not overfill.

4. Replace the Oil Tank Cover securely.
5. Regularly check the transparent oil tank casing to monitor oil levels during operation.

5. OPERATING THE CHAINSAW

Follow these steps for safe and effective operation.

5.1 Starting and Stopping

1. Insert the charged battery into the chainsaw until it clicks into place.
2. To start, press and hold the Engine Lock Button, then squeeze the Control Handle (trigger). The chain will begin to move.
3. To stop, release the Control Handle. For immediate shutdown, press the Engine Stop Button.

5.2 Cutting Techniques

- **Maintain a stable stance:** Always stand firmly with good balance.
- **Plan your cut:** Identify the direction of fall for branches and ensure a clear escape path.
- **Engage the chain before contact:** Allow the chain to reach full speed before touching the wood.
- **Use the bottom of the guide bar:** This provides better control and reduces kickback risk.
- **Avoid cutting above shoulder height:** This can lead to loss of control.
- **Be aware of pinching:** Support the branch to prevent it from pinching the guide bar.
- **Rotatable Head:** Utilize the rotatable head feature for optimal cutting angles, especially in tight spaces.



Figure 5.1: Demonstrating the high efficient cutting capability of the iBELL BS 20-08 Chainsaw on a log, highlighting its powerful performance.



Figure 5.2: Illustration of the chainsaw's rotatable head feature, allowing users to twist the head for the perfect cutting angle, enhancing versatility and ease of use.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your chainsaw.

6.1 Chain Maintenance

- **Sharpening:** A sharp chain cuts efficiently and safely. Sharpen the chain regularly using a suitable file or professional service.
- **Tension:** Continuously monitor and adjust chain tension. A loose chain can derail, and an overly tight chain can cause premature wear.
- **Replacement:** Replace the chain when it becomes dull beyond sharpening or if links are damaged.

6.2 Guide Bar Maintenance

- **Clean the groove:** Remove sawdust and debris from the guide bar groove regularly to ensure proper chain movement and lubrication.
- **Check for burrs:** File down any burrs that form on the guide bar rails.
- **Flip the bar:** Periodically flip the guide bar to ensure even wear on both sides.

6.3 Cleaning and Storage

- **Clean after each use:** Remove sawdust, chips, and debris from the chainsaw body, guide bar, and chain.
- **Battery removal:** Always remove the battery before cleaning or storing.
- **Store in BMC box:** Store the chainsaw and its components in the provided BMC box in a dry, secure location, away from direct sunlight and extreme temperatures.

6.4 Battery Care

- Store batteries in a cool, dry place.
- Do not store fully discharged batteries for extended periods. Charge them periodically.
- Avoid exposing batteries to moisture or extreme heat.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not charged or not inserted correctly. Safety lock not disengaged.	Ensure battery is fully charged and properly inserted. Press and hold the Engine Lock Button before squeezing the Control Handle.
Chain gets loose frequently.	New chain stretching. Insufficient tightening of Bar Tightening Knob.	Adjust chain tension more frequently during initial use. Ensure Bar Tightening Knob is fully tightened after adjustment.
Chainsaw cuts slowly or poorly.	Dull chain. Incorrect chain tension. Insufficient lubrication.	Sharpen or replace the chain. Adjust chain tension. Refill oil tank and ensure proper lubrication.
Chain smoking or overheating.	Lack of lubrication. Dull chain. Overly tight chain.	Check oil level and refill. Sharpen chain. Loosen chain tension slightly.

8. SPECIFICATIONS

Detailed technical specifications for the iBELL BS 20-08 Cordless Chainsaw Brushless.

Specification	Value
Brand	IBELL
Model Number	IBL BS20-08(BMC)
Power Source	Battery Powered

Specification	Value
Rated Voltage	20V DC
Horsepower / Rated Power	600 Watts
Rated No-Load Speed	3200 rpm
Item Weight	1.10 Kg (Chainsaw only), 3 Kilograms (with packaging)
Product Dimensions	31.5L x 21.5W x 13.5H Centimeters
Chain Length / Guide Bar Length	8 Inches
Max. Cutting Diameter	160mm (approx. 6.3 inches)
Included Components	Guide Bar, Battery, Charger, BMC Box
Country of Origin	China

9. WARRANTY AND SUPPORT

For warranty claims, technical assistance, or spare parts, please contact the authorized service provider.

- **Importer/Packer:** HITECH MACHINERIES & EQUIPMENTS
- **Customer Support:** 1800 103 4090
- Please have your model number (IBL BS20-08(BMC)) and purchase details ready when contacting support.