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> Jar-Owl 21V Cordless Drill Instruction Manual

## Jar-Owl 6621S

# Jar-Owl 21V Cordless Drill Instruction Manual

Model: 6621S | Brand: Jar-Owl

## 1. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating the Jar-Owl 21V Cordless Drill.

- 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.
- Wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves.
- Ensure the drill is switched off before making any adjustments, changing accessories, or storing power tools.
- The drill is designed with safety features such as automatic shut-off switches and protective shields. Do not bypass or modify these features.
- Use the correct tool for your application. Do not force the tool.

## 2. PACKAGE CONTENTS

Your Jar-Owl 21V Cordless Drill package includes the following items:

- 1 x Jar-Owl Cordless Power Drill
- 1 x 1.5 AH Battery Pack
- 1 x Fast Battery Charger
- 1 x Storage Box
- 3 x HSS Twist Drill Bits
- 3 x Brad Point Drill Bit
- 6 x 50mm Screwdriver Bits
- 1 x Flexible Shaft (250mm)
- 9 x Sockets

- 10 x 25mm Screwdriver Bit
- 1 x 50mm Bits
- 1 x 60mm Magnetic Extension Bar
- 1 x 20mm Connecting Extension Bar



Image: The Jar-Owl 21V Cordless Drill kit, showing the drill, battery, charger, and various bits and accessories neatly organized in its carrying case.

### 3. PRODUCT FEATURES

The Jar-Owl 21V Cordless Drill is designed for versatility and ease of use, featuring:

- **Powerful 21V Brushed Motor:** Delivers reliable performance for various tasks.
- **High Torque:** Max torque of 350 in-lbs (40 Nm) for demanding applications.

- **Variable Speed Control:** Two-gear option (0-350rpm for driving, 0-1350rpm for drilling) with a responsive trigger.
- **18+1 Position Clutch:** Allows precise torque adjustment for different materials and screw sizes, preventing over-driving or stripping.
- **10MM (3/8") Keyless Chuck:** Enables quick and easy bit changes without a key.
- **1.5Ah Li-Ion Battery:** Provides ample power and features over-voltage, over-temperature, over-load, and over-charge protection.
- **Built-in LED Light:** Illuminates the work area for improved visibility in dark spaces.
- **Ergonomic Handle:** Soft rubber grip ensures comfortable handling and reduces fatigue during prolonged use.
- **Lightweight Design:** Weighing approximately 2.4 lbs (1.1 kg), it's easy to handle and maneuver.

## 2 SPEED TRANSMISSION

MEET MOST OF YOUR NEEDS



Image: Detailed view of the drill's chuck, highlighting the 18+1 gear torsion adjustment and maximum torque of 40Nm, along with examples of screw sizes and drilling capacities for wood and steel.

# 1.5 TIMES EXTRA-LONG LI-ION LIFE SPAN

Patented battery protection function

**1500  
mAh**

- \* The green light indicates fully charged
- \* The red light indicator is charging

**5 batteries**



Over voltage  
protection



Over temperature  
protection



Over load  
protection



Over charge  
protection

Image: Illustration of the drill's two-speed transmission, showing the lower speed (0-350 RPM) ideal for screwdriving and the higher speed (0-1350 RPM) for drilling applications.



Carrying Case



Battery Charger



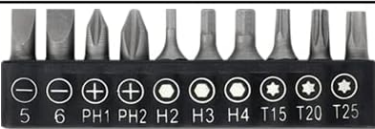
Battery Pack



Flexible Shaft (250mm)



21V Brushed Cordless Drill



Screwdriver Bit: 10\*25mm



Screwdriver Bit :  
T15, T20, PH1, PH2, V5, V6



60mm Magnetic Extension Bar  
20mm Connecting Extension Bar



Socket : 5mm/ 6mm/ 7mm/ 8mm/ 9mm/ 10mm/  
11mm/ 12mm/ 13mm



HSS Twist Drill Bit: 4mm, 5mm, 6mm  
Brad Point Drill Bit: 4mm, 5mm, 6mm

Image: The 1.5Ah Li-Ion battery and its charger, emphasizing the "1.5 Times Extra-Long Li-Ion Life Span" and patented battery protection functions including over-voltage, over-temperature, over-load, and over-charge protection.

## 4. SETUP

### 4.1 Charging the Battery

Before first use, fully charge the 1.5Ah Li-Ion battery. The battery charges in 3 to 5 hours. A green light on the charger indicates a full charge, while a red light indicates charging in progress.

- Connect the charger to a standard power outlet.
- Slide the battery pack onto the charger until it clicks into place.
- Once fully charged, remove the battery from the charger.

### 4.2 Installing/Removing the Battery

- To install: Align the battery pack with the base of the drill handle and slide it in until it locks securely.
- To remove: Press the release button on the battery pack and slide it out from the drill handle.

### 4.3 Installing/Removing Drill Bits or Screwdriver Bits

The keyless chuck allows for quick and easy bit changes.

- To install: Rotate the chuck counter-clockwise to open the jaws. Insert the desired drill bit or screwdriver bit into the chuck. Rotate the chuck clockwise to tighten the jaws securely around the bit.
- To remove: Rotate the chuck counter-clockwise to loosen the jaws and pull the bit out.

## KEYLESS CHUCK >>>>



## Provides Ultimate Bit Retention

Image: A detailed view of the 3/8-inch keyless chuck, illustrating its mechanism for ultimate bit retention and ease of changing bits.

## 5. OPERATING INSTRUCTIONS

### 5.1 Forward/Reverse Rotation and Lock

The forward/reverse switch is located above the trigger. Push it to the left for forward rotation (drilling/driving screws) and to the right for reverse rotation (removing screws). Center the switch to lock the trigger and prevent accidental starting.

### 5.2 Variable Speed Trigger

The drill's speed is controlled by the pressure applied to the trigger. Press lightly for slower speeds and increase pressure for higher speeds. This allows for precise control during operation.

### 5.3 Torque Adjustment (Clutch Settings)

The 18+1 position clutch ring, located behind the chuck, allows you to set the torque. Rotate the ring to select the desired torque setting (1-18) for driving screws, or the drill icon for drilling applications. Higher numbers provide more torque. The '+1' setting is for maximum torque, typically used for drilling.

### 5.4 Two-Speed Transmission

A speed selector switch on top of the drill allows you to choose between two gear settings:

- **Gear 1 (Low Speed, 0-350 RPM):** Ideal for high-torque applications like driving large screws or drilling into tough materials.
- **Gear 2 (High Speed, 0-1350 RPM):** Suitable for fast drilling in wood, plastic, or light metal.



Image: A collage demonstrating the drill's versatility in different tasks, including drilling into wood, utilizing the flexible shaft for hard-to-reach areas, driving screws, and drilling into metal surfaces.

## 6. MAINTENANCE

6.1 Cleaning

- Regularly clean the ventilation slots of the drill to prevent overheating.
- Wipe the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the chuck jaws clean and free of debris for optimal bit gripping.

6.2 Battery Care and Storage

- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store the battery in a discharged state for extended periods. Charge it periodically if not in use.
- Avoid dropping or subjecting the battery to strong impacts.

6.3 General Storage

When not in use, store the drill and its accessories in the provided carrying case in a secure, dry location, out of reach of children.

7. TROUBLESHOOTING

If you encounter issues with your Jar-Owl 21V Cordless Drill, refer to the following common problems and solutions:

| Problem                                | Possible Cause                                                                            | Solution                                                                                                                                                          |
|----------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drill does not turn on.                | Battery not charged or not properly installed. Forward/reverse switch in locked position. | Ensure battery is fully charged and securely inserted. Check that the forward/reverse switch is pushed fully to either the forward or reverse position.           |
| Battery not charging.                  | Charger not plugged in. Faulty battery or charger.                                        | Verify charger is properly connected to a working outlet. Ensure battery is correctly seated on the charger. If issues persist, contact customer support.         |
| Drill lacks power or stops during use. | Low battery charge. Overload protection activated. Incorrect torque setting.              | Recharge the battery. Reduce pressure on the drill or use a higher torque setting. Allow the tool to cool down if it has been continuously used under heavy load. |
| Bit wobbles or falls out.              | Chuck not tightened sufficiently. Bit shank is dirty or damaged.                          | Ensure the chuck is tightened firmly around the bit. Clean the bit shank. Replace damaged bits.                                                                   |

8. SPECIFICATIONS

| Feature | Detail  |
|---------|---------|
| Model   | 6621S   |
| Brand   | Jar-Owl |

| Feature                   | Detail                               |
|---------------------------|--------------------------------------|
| Power Source              | Battery Powered                      |
| Voltage                   | 21 Volts                             |
| Battery Type              | Li-ion                               |
| Battery Capacity          | 1.5 Amp Hours (1500mAh)              |
| Maximum Rotational Speed  | 1350 RPM                             |
| Speed Settings            | 2 (Low: 0-350 RPM, High: 0-1350 RPM) |
| Maximum Torque            | 350 Inch Pounds (40 Nm)              |
| Clutch Settings           | 18 + 1 (Drill Mode)                  |
| Chuck Type                | Keyless                              |
| Max Chuck Size            | 3/8 inch (10mm)                      |
| Drilling Capacity (Wood)  | 22 Millimeters (7/8")                |
| Drilling Capacity (Steel) | 10 Millimeters (3/8")                |
| Item Weight               | 4.51 pounds (2.05 Kilograms)         |
| Product Dimensions        | 7.9"L x 2"W x 8.3"H                  |
| Color                     | Black Blue                           |
| Material                  | Plastic                              |

## 9. WARRANTY AND SUPPORT

The Jar-Owl 21V Cordless Drill comes with a **Three Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For any questions, issues, or warranty claims, please contact Jar-Owl customer support. You can typically find contact information by visiting the Jar-Owl brand store page on the retailer's website where you purchased the product.

We are committed to providing unparalleled after-sales service and ensuring your satisfaction with your Jar-Owl product.

### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

Anonymous

### Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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