OLYMPIATOOLS®
GOOD QUALITY. GREAT VALUE.

USER MANUAL

600W
HAMMER DRILL
HD600



UK CA CE

CONTENTS

SAFETY INFORMATION 3-5

SAFETY WARNING SYMBOLS 3
- Safety warning symbols - hammer drill 3
- Compliance and recycling symbols 3

SAFETY WARNINGS - GENERAL POWER TOOLS 4-5
- Work area safety 4
- Electrical safety 4
- Personal safety 4-5
- Power tool use and care 5
- Service 5

SAFETY WARNINGS - HAMMER DRILL 5

IN THE BOX 6
- Key features 6
- Accessories 6

OPERATION INSTRUCTIONS 7-9
- Intended use 7
- Side handle 7
- Installing the depth gauge 7
- Inserting a drill bit into the chuck 8
- Rotary/impact drilling change 8
- On/off Switch 8
- Switch lock-on button 8
- Variable speed control 8
- Forward and reverse rotation control 8-9
- Useful tips 9

TROUBLE SHOOTING 9
- If your power tool does not start 9
- If the drill doesn't work properly 9
- If a fault can not be rectified 9

MAINTENANCE 9

TECHNICAL SPECIFICATIONS 10-11
- Hammer Drill 10
- Noise/vibration information 10
- Vibration 11

DISPOSAL 12
- Packaging materials 12
- Electrical products 12

STORAGE 12

PLUG REPLACEMENT (UK AND IRELAND ONLY) 13

GUARANTEE 13

UK DECLARATION OF CONFORMITY 14

EU DECLARATION OF CONFORMITY 15

SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNING SYMBOLS

The following warning symbols appear throughout this user guide and indicate the appropriate safety measures you should take when assembling and operating the hammer drill.

⚠ WARNING!

This symbol marks a point of safety, indicating a warning. Ignoring this safety symbol could result in an accident to yourself or others. To limit the risks of injury, fire or electrocution, always follow the recommendations indicated.

Safety warning symbols - Hammer drill



Protection Class II (double insulated)

Compliance and recycling symbols

Complies with all relevant UK regulations

Complies with relevant European regulations



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNINGS - GENERAL POWER TOOLS

⚠ WARNING!

Read all safety warnings and instructions. Failure to follow warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **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.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

1. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
2. **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.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
5. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
6. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

Personal safety

1. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
2. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, on-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.



3. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

4. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
7. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

Power tool use and care

1. **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.
2. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
5. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

Service

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SAFETY INFORMATION



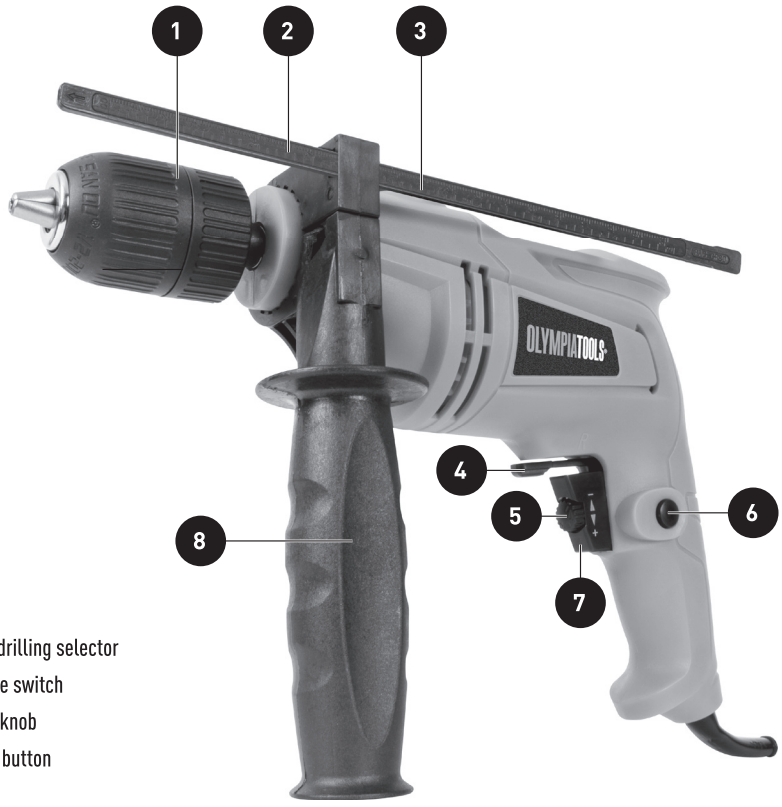
IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNINGS - HAMMER DRILL

1. **Wear ear protectors when impact drilling.** Exposure to noise can cause hearing loss.
2. **Use auxiliary handle(s), if supplied with the tool.** Loss of control can cause personal injury.
3. **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

IN THE BOX

Key features



1. Keyless chuck
2. Depth gauge
3. Rotary/impact drilling selector
4. Forward/reverse switch
5. Variable speed knob
6. Switch lock-on button
7. On/off switch
8. Side handle

Accessories

1. 1x Side handle
2. 1x Depth gauge

OPERATION INSTRUCTIONS

IMPORTANT: To reduce risk of injury, please read this user guide before use.

Intended use

This tool is intended for impact drilling in brick, concrete and stone as well as rotary drilling in wood, metal and plastic.

Side handle (See fig. A1 and A2)

Slide the handle onto the drill and rotate to the desired working position (See fig. A1). Make sure that the teeth on the grip fit in the protrusions on the handle collar.

To tighten, rotate the bottom section of the handle clockwise. To loosen, rotate the bottom section of the handle anti-clockwise (See fig. A2).

Fig. A1

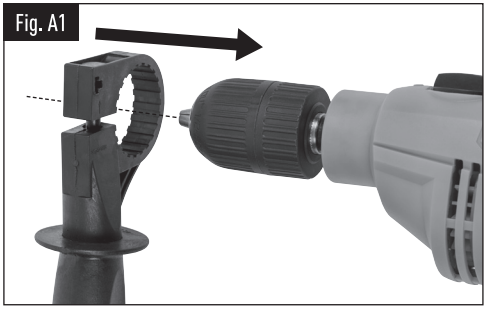


Fig. A2



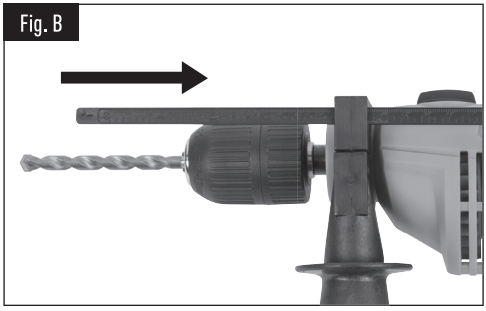
⚠ WARNING!

Always check and rotate the handle tightly before use to avoid any accident.

Installing the depth gauge (See fig. B)

The depth gauge can be used to set a constant depth to drill. To use the depth gauge, loosen the handle by rotating the bottom section of handle anti-clockwise. Insert the depth gauge through hole in handle. Slide the depth gauge to required depth and tighten fully.

Fig. B



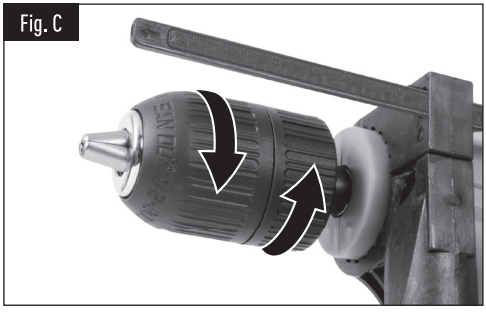
Inserting a drill bit into the chuck (See fig. C)

⚠ WARNING!

WARNING! Remove the plug from the socket before carrying out any adjustment, servicing or maintenance

To open the chuck jaws rotate the front section of the chuck while holding the rear section. Insert the drill bit between the chuck jaws and rotate the front section in the opposite direction while holding the rear section. Ensure that the drill bit is in the centre of the chuck jaws. Finally, firmly rotate the two separate chuck sections in opposite directions. Your drill bit is now locked in the chuck.

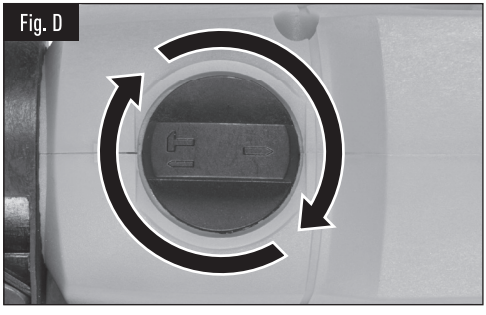
Fig. C



Rotary/impact drilling change (See fig. D)

When drilling masonry and concrete, choose the hammer position. When drilling in wood, metal and plastic, choose the drill position.

Fig. D



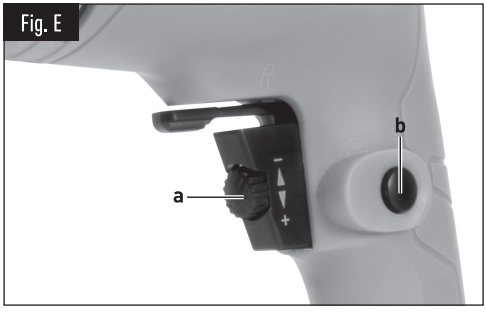
On/off Switch

Depress the switch to start the tool and release it to stop the tool.

Switch lock-on button (See fig. E)

Press the On/off switch. For continuous operation, press the switch lock-on button (b) at the same time. Press the On/off switch again to release the switch lock-on button and the product switches off.

Fig. E



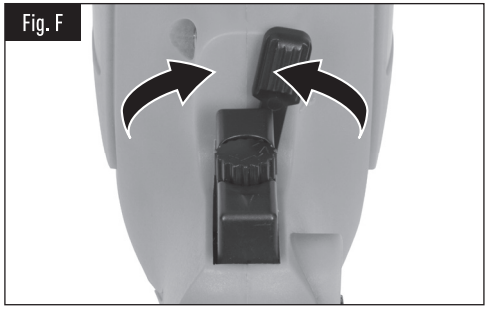
Variable speed control (See fig. E)

The On/off switch is also a variable speed switch that delivers higher speed and torque. Speed is controlled by the knob (a) on the switch trigger.

Forward and reverse rotation control (See fig. F)

To change the rotational direction, push the forward/reverse selector switch to the right position (as viewed from the side of the drill). The rotation will now be forward rotation. Push the forward/reverse selector switch to the left position. The rotation will be backward rotation.

Fig. F



⚠ WARNING!

Never change the direction of rotation when the tool is rotating, wait until it has stopped.

USEFUL TIPS

1. **Drilling brick, concrete and stone**
   Select the rotary/impact drilling selector switch to the "hammer symbol" position. Tungsten carbide drill bits should always be used for drilling masonry, concrete etc with a high speed.
2. **Drilling wood, metal and plastic**
   Select the rotary/impact drilling selector switch to the "drill symbol" position. HSS drill bits should always be used for drilling steel with a lower speed.
3. **Pilot holes**
   When drilling a large hole in tough material (e.g. steel), we recommend drilling a small pilot hole first before using a larger drill bit.
4. **Drilling tiles**
   Select the rotary/impact drilling selector switch to the "drill symbol" position to drill the tile.
   When tile has been penetrated, switch over to the "hammer symbol" position.
5. **Cooling the motor**
   If your power tool becomes too hot, set the speed to maximum and run without load for 2-3 minutes to cool the motor.

TROUBLE SHOOTING

If your power tool does not start

check the plug on the power supply first.

If the drill doesn't work properly

Check the drill bit for sharpness, replace drill bit if worn.
Check that the drill is set to forward rotation for normal use.

If a fault can not be rectified

Return the tool to an authorised dealer for repair.

MAINTENANCE

Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool.

Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth.

Always store your power tool in a dry place.

Keep the motor ventilation slots clean. Keep all working controls free of dust.

Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

TECHNICAL SPECIFICATIONS

Hammer Drill

Model	Z1J-DD24-13A-1 (HD600)
Code	09-050
Mains Supply	230V ~ 50Hz
Power Input	600W
Number of gears	1
No-load speed	0-3000/min
Max. Impact rate	0-50400bpm
Drill chuck	13mm/½" keyless
Max. drilling Ø (steel)	10mm
Max. drilling Ø (masonry)	13mm
Max. drilling Ø (wood)	20mm
Protection class II	⧈
Weight	1.97Kg

Noise/vibration information

Noise

A weighted sound pressure	L_{pA}: 90dB(A)
A weighted sound power	L_{wA}: 101dB(A)
	K_{pA} and K_{wA} =3.0dB(A)

⚠ WARNING!

Wear ear protection when sound pressure is over: 80dB(A)

Vibration

Vibration total values (triax vector sum) determined according to EN 60745:

Rotary drilling into metal	Vibration emission value a_h = 4.11m/s^2
	Uncertainty K = 1.5m/s^2
Impact drilling into concrete	Vibration emission value a_h = 9.06m/s^2
	Uncertainty K = 1.5m/s^2

The declared vibration total value may be used for comparing one tool with another, and may also be used in a preliminary assessment of exposure.

⚠ WARNING!

The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used for example:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

Use of the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles and whether any anti-vibration accessories are used.

The tool is being used as intended by its design and as detailed in this user guide.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

⚠ WARNING!

To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

ALWAYS use sharp chisels, drills and blades.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

If the tool is to be used regularly then invest in anti-vibration accessories.

Avoid using tools in temperatures of 10^{0}C or less.

Plan your work schedule to spread any high vibration tool use across a number of days.

DISPOSAL

Packaging materials

Dispose of in an environmentally friendly way by adding to your recyclable waste bin, or by taking it to a public collection centre.



Electrical products

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



STORAGE

Store the machine, operating instructions and where necessary the accessories in the original packaging. In this way you will always have all the information and parts ready to hand.

Pack the device well or use the original packaging in order to avoid transit damage.

Always keep the machine in dry place.

PLUG REPLACEMENT (UK AND IRELAND ONLY)

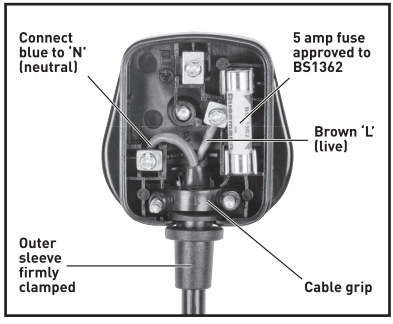
If you need to replace the fitted plug then follow the instructions below.

IMPORTANT
The wires in the mains lead are coloured in accordance with the following code:
Blue – Neutral
Brown – Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. The wire which is coloured blue must be connected to the terminal which is marked with 'N'. The wire which is coloured brown must be connected to the terminal which is marked with 'L'.

⚠ WARNING!

Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved BS1363/A plug and the correct rated fuse. Note: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.



GUARANTEE

This product is selected for **DOMESTIC USE ONLY** and not for business use. This product is guaranteed against manufacturing defects for a period of 24 months. This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use. In the event of a problem with the product within the guarantee period please return it to your nearest store. If the item is shown to have an inherent defect present at the time of sale, the store will provide you with a replacement. Your statutory rights remain unaffected.

UK DECLARATION OF CONFORMITY

1. Apparatus product/model

Product: **600W Hammer drill**

Model: **Z1J-DD24-13A-1 (HD600)**

2. This declaration of conformity is issued under the sole responsibility of the manufacturer

3. Object of the declaration

Product: **600W Hammer drill**

Model: **Z1J-DD24-13A-1 (HD600)**

Rated voltage: **230V~50Hz**

4. This 600W hammer drill model number Z1J-DD24-13A-1 (HD600) fully complies with the Supply of Machinery (Safety) Regulations 2008, Electromagnetic Compatibility Regulations 2016, the Restriction of Use of Certain Hazardous Substances in Electrical & Electronic Equipment Regulations 2012, and the following standards:

EN 62841-1:2015+AC:15

EN 62841-2-1:2018

EN 55014-1:2017+A11:2020

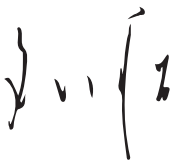
EN 55014-2:2015

EN IEC 61000-3-2:2019

EN 61000-3-3:2013+A1:2019

5. This declaration is made under the sole responsibility of:
SUMEC HARDWARE AND TOOLS CO., LTD.
No. 1 Xinghuo Road, Jiangbei New Arga, Nanjing, Jiansu, 210061 China

Chief Engineer
Wenjun
Date: Apr, 14, 2021



EU DECLARATION OF CONFORMITY

1. Apparatus product/model

Product: **600W Hammer drill**

Model: **Z1J-DD24-13A-1 (HD600)**

---

2. This declaration of conformity is issued under the sole responsibility of the manufacturer

---

3. Object of the declaration

Product: **600W Hammer drill**

Model: **Z1J-DD24-13A-1 (HD600)**

Rated voltage: **230V~50Hz**

---

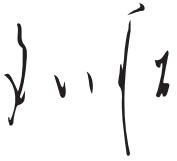
4. This 600W hammer drill model number Z1J-DD24-13A-1 (HD600) fully complies with the Machinery Directive 2006/42/EC, Electromagnetic Compatibility Directive 2014/30/EC, RoHS Directive 2011/65/EU and the following harmonized EU standards:

EN 62841-1:2015+AC:15	EN 55014-1:2006/+A1:2009/+A2:2011
EN 62841-2-1:2018	EN 55014-2:1997/+A1:2001/+A2:2008
EK9-BE-87:2014	EN 61000-3-2:2014
EK9-BE-88:2014	EN 61000-3-3:2013

---

5. This declaration is made under the sole responsibility of:
SUMEC HARDWARE AND TOOLS CO., LTD.
No. 1 Xinghuo Road, Jiangbei New Arga, Nanjing, Jiansu, 210061 China

Chief Engineer
Wenjun
Date: Oct, 25, 2019



OLYMPIATOOLS®
GOOD QUALITY. GREAT VALUE.

UK: Olympia Tools [UK] Ltd, Bull Lane,
Wednesbury, West Midlands, WS10 8RW

EU: Tucks O'Brien Ltd, 24 Magna Drive,
Magna Business Park, Citywest Road,
Dublin D24 FNY0, Ireland

09-050