

# Erbauer®



**ERB565DRL**

**2Year**  
Guarantee

**800W PERCUSSION DRILL**

**ERB565DRL**

Original Instructions  
(Version 1.0)

# Erbauer®

**Congratulations on your purchase of a quality power tool from Erbauer (UK) Ltd. This product should give you reliable service but for your peace of mind this **Erbauer** power tool does carry a 2 year guarantee, the terms of which are detailed below.**

**If this product develops a fault within the guarantee period contact your retailer.**

**Please retain this handbook in case you need to refer to safety, care or guarantee information in the future.**

## **GUARANTEE**

This **Erbauer** product carries a 2 year guarantee. If your product develops a fault within this period, you should in the first instance contact the retailer where the item was purchased.

This guarantee specifically excludes losses caused due to:

- Fair wear and tear
- Misuse or abuse
- Lack of routine maintenance
- Failure of consumable items (such as batteries)
- Accidental damage
- Cosmetic damage
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

This guarantee does not affect your statutory rights. This guarantee is only valid in the UK.

For further technical advice, spare parts or repair service (outside of guarantee) please contact the customer helpline number on 0345 607 6380.

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# SAFETY INSTRUCTIONS

## General Power Tool Safety Warnings



**WARNING! Read all safety warnings and all instructions.** Failure to follow the 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.

### 1. Work area safety

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

### 2. Electrical safety

- a. 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.
- b. 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.
- c. Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d. 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.
- e. 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.
- f. 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.

### 3. Personal safety

- a. 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.
- b. Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c. 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.
- d. 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.
- e. Do not overreach. Keep proper footing and balance at all times.** This enables

better control of the power tool in unexpected situations.

**f. 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.

**g. 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.

#### 4. Power tool use and care

**a. 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.

**b. 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.

**c. 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.

**d. 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.

**e. 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.

**f. Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

**g. 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.

#### 5. Service

**a. 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.

## ADDITIONAL SAFETY POINTS FOR YOUR IMPACT DRILL

- 1. Wear ear protectors with impact drills.** Exposure to noise can cause hearing loss.
- 2. Use auxiliary handles supplied with the tool.** Loss of control can cause personal injury.
- 3. Hold power tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a 'live' wire will make exposed metal parts of the tool 'live' and shock the operator.
4. Do not use the drill near water.
5. Do not use the drill as a screwdriver.
6. Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.
7. When an extension cord is required you must ensure it has the correct ampere rating for your power tool and that it is in a safe electrical condition. Please fully unwind extension cords to avoid potential overheating.

8. Ensure your supply voltage is the same as your tool rating plate voltage.
9. Your tool is double insulated for additional protection against a possible electrical insulation failure within the tool. ☐
10. Always check walls and ceilings to avoid hidden power cables and pipes.
11. After long working periods, external metal parts and accessories could be hot. Never touch them with bare hand.
12. Please always Wear gloves when operating this tool.
13. Maintain a firm grip on the handle when you are working. Always use the auxiliary handles supplied with the tool. Loss of control can cause personal injury.

## **ADDITIONAL SAFETY WARNING FOR CONSTRUCTION DUST**

The updated Control of Substances Hazardous to Health Regulations 1st October 2012 now also targets to reduce the risks associated with silica, wood and gypsum dusts. Construction workers are one of the at-risk groups within this because of the dust that they breathe: silica dust is not just a nuisance; it is a real risk to your lungs!

Silica is a natural mineral present in large amounts in things like sand, sandstone and granite. It is also commonly found in many construction materials such as concrete and mortar. The silica is broken into very fine dust (also known as Respirable Crystalline Silica or RCS) during many common tasks such as cutting, drilling and grinding

Breathing in very fine particles of crystalline silica can lead to the development of:

Lung cancer

Silicosis

Chronic Obstructive Pulmonary Disorder (Chronic obstructive pulmonary disease (COPD))

And breathing in fine particles of wood dust can lead to the development of Asthma

The risk of lung disease is linked to people who regularly breathe construction dust over a period of time, not on the odd occasion.

To protect the lung, the COSHH Regulations sets a limit on the amount of these dusts that you can breathe (called a Workplace Exposure Limit or WEL) when averaged over a normal working day. These limits are not a large amount of dust: when compared to a penny it is tiny – like a small pinch of salt:

This limit is the legal maximum; the most you can breathe after the right controls have been used.


How to reduce the amount of dust?

1. Reduce the amount of cutting by using the best sizes of building products.
2. Use a less powerful tool e.g. a block cutter instead of angle grinder.
3. Using a different method of work altogether – e.g. using a nail gun to direct fasten cable trays instead of drilling holes first.

Please always work with approved safety equipment, such as those dust masks that specially designed to filter out microscopic particles and use the dust extraction facility at all time.

For more information please see the HSE website:

<http://www.hse.gov.uk/construction> or <http://www.hse.gov.uk/pubns/cis69.pdf>

 **Warning: Some dust particles created by power sanding, sawing, grinding, drill and other construction jobs contain chemicals known to cause cancer, birth defects or other reproductive harm.** Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically treated timber.

Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.

## VIBRATION

The European Physical Agents (Vibration) Directive has been brought in to help reduce hand arm vibration syndrome injuries to power tool users. The directive requires power tool manufacturers and suppliers to provide indicative vibration test results to enable users to make informed decisions as to the period of time a power tool can be used safely on a daily basis and the choice of tool.

Further Advice can be found at [www.hse.gov.uk](http://www.hse.gov.uk)


Vibration total values (triax vector sum) determined according to EN 60745:	
Impact drilling into concrete:	Vibration emission value $a_{HD}=14.93m/s^2$
	Uncertainty $K=1.5m/s^2$
Drilling into metal:	Vibration emission value $a_{HD}=1.74m/s^2$
	Uncertainty $K=1.5m/s^2$

The declared vibration emission value should be used as a minimum level and should be used with the current guidance on vibration.

Calculating the actual period of the actual period off use can be difficult and the HSE website has further information.

The declared vibration emission been measured in accordance with a standardised test stated above and may be used to compare one tool with another

The declared vibration emission value 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 dependant on the following examples and other variations on how the tool is used:-

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

The tool being in good condition and well maintained


The use the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles.

And the tool is being used as intended by its design and these instructions.

**While working with this power tool, hand/arm vibrations occur. Adopt the correct working practices in order to reduce the exposure to vibration.**

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

 **Warning:** identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time). Note The use of other tools will reduce the users' total working period on this tool.

Helping to minimise your vibration exposure risk.

ALWAYS use sharp drills.

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

Avoid using tools in temperatures of 10°C or less

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

Health Surveillance

All employees should be part of an employer's health surveillance scheme to help identify any vibration related diseases at an early stage, prevent disease progression and help employees stay in work.

## **DOUBLE INSULATION**

The tool is double insulated. This means that all the external metal parts are electrically insulated from the main power supply. This is done by placing insulation barriers between the electrical and mechanical components making it unnecessary for the tool to be earthed.

## **IMPORTANT NOTE**

Be sure the supply is the same as the voltage given on the rating plate. The tool is fitted with a two-core cable and plug.

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



## SYMBOLS



To reduce the risk of injury, user must read instruction manual



Warning



Double insulation



Wear dust mask



Wear ear protection



Wear eye protection



Wear safety gloves



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.

yyWxx Manufacturing date code; Year of manufacturing (20yy) and week of manufacturing (Wxx);



- 
1. SINGLE SLEEVE KEYLESS CHUCK
  2. ADJUSTABLE DEPTH GAUGE
  3. SPINDLE LOCK
  4. HAMMER OR DRILLING CONTROL
  5. SWITCH LOCK-ON BUTTON
  6. ON/OFF SWITCH WITH VARIABLE SPEED CONTROL
  7. FORWARD AND REVERSE ROTATION
  8. AUXILIARY HANDLE
  9. BUBBLE LEVEL
-

## TECHNICAL DATA

Voltage	220-240V~ 50Hz
Power input	800W
No load speed	0-2800/min
Impact rate	0-44800bpm
Drilling capacity	
Steel	13mm
Masonry	20mm
Wood	35mm
Protection class	□/II
Machine weight	2.7kg

## NOISE AND VIBRATION DATA

A weighted sound pressure	$L_{pA}=89\text{dB(A)}$	$K_{pA}=3.0\text{dB(A)}$
A weighted sound power	$L_{wA}=100\text{dB(A)}$	$K_{wA}=3.0\text{dB(A)}$
Uncertainty:		3dB(A)
Wear ear protection when sound pressure is over		80dB(A)



## ACCESSORIES

Auxiliary handle	1pc
Depth gauge	1pc

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**Fig. 1**



**Fig. 2**



**Fig. 3**



**Fig. 4**

## OPERATING INSTRUCTIONS



**Note:** Before using the tool, read the instruction book carefully.

### Intended Use

The machine is intended for impact drilling in brick, concrete and stone as well as for drilling in wood, metal and plastic.

### 1. INSTALLING THE AUXILIARY HANDLE (See Fig 1)

Slide the handle onto the drill and rotate to the desired working position. To clamp the auxiliary handle rotates the handgrip clockwise. To loosen the auxiliary handle rotates the hand grip anti-clockwise. Always use the auxiliary handle.

### 2. INSTALLING THE DEPTH GAUGE (See Fig 2)

The depth gauge can be used to set a constant depth to drill. To use the depth gauge, fit the drill bit or driver bit into the chuck. Loosen the depth stop by rotating the handle grip anti-clockwise.

Slide the depth stop until the distance between the depth stop end and the drill/driver bit end is equal to the depth of hole/screw you wish to make. Then clamp the depth stop by rotating the handle clockwise.

### 4. OPERATING THE ON/OFF SWITCH (See Fig 3 & 4)

#### Switching On and Off

Depress the switch to start the tool and release it to stop your tool. The on/off switch is a variable speed switch that delivers higher speed and torque with increased trigger pressure. Speed is controlled by the amount of switch trigger depression.



**Warning: Do not operate for long periods at low speed because excess heat will be produced internally.**

#### Continuous use

Depress on/off switch then lock-on button, release on/off switch first and lock-on button second. Your switch is now locked on for continuous use. To switch off your tool just depress and release the on/off switch.

## 5. FORWARD AND REVERSE ROTATION CONTROL (8) (See Fig 5)

For drilling and screw driving use forward rotation marked “←” (lever is moved to the left). Only use reverse rotation marked “→” (lever is moved to the right) to remove screws or release a jammed drill bit.

**Note:** Never move the forward/reverse switch whilst the drill in operation or the on/off switch is locked as this will damage the drill.

## 6. HAMMER OR DRILLING CONTROL (4) (See Fig 6)

For drilling masonry and concrete, press the lock button (A) and rotate the hammer or drilling control switch to sign “⚡”. For drilling in wood, metal, plastic and use as a screwdriver, press the lock button (A) and rotate the selector switch to sign “⚙”.

Please always press the switch lock button before adjusting. If the switch cannot go into the required position, switch on your hammer for few turns, then adjust the switch again.

## 7. BUBBLE LEVEL (See Fig 7)

A Bubble Level is fitted on top of the drill. It is useful when drilling a horizontal hole. When it level, the bubble will be in the middle of the two level lines.

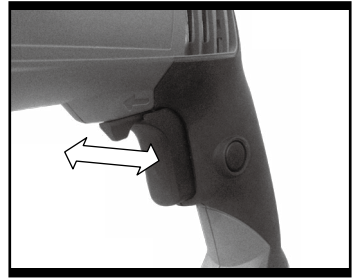


Fig. 5

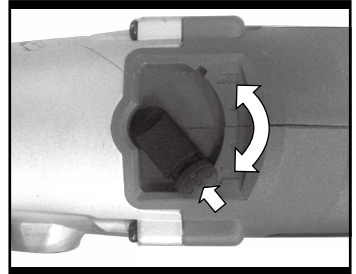


Fig. 6

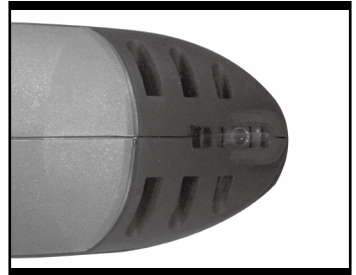


Fig. 7

# WORKING HINTS FOR YOUR DRILL

## **1 Drilling masonry and concrete**

Select the drill/impact action selector switch to the “hammer symbol” position. Tungsten carbide drill bits should always be used for drilling masonry, concrete etc.

## **2 Drilling steel**

Select the drill/impact action selector switch to the “drill symbol” position. HSS drill bits should always be used for drilling steel.

## **3 Pilot holes**

When drilling a large hole in tough material (i.e. steel), we recommend drilling a small pilot hole first before using a large drill bit.

## **4 Drilling tiles**

Select the drill/impact action selector switch to the “drill symbol” position to drill the tile. When tile has been penetrated, switch over to “hammer symbol” position.

## **5 Cool the motor**

If your power tool becomes too hot, set the speed to maximum and run no load for 2-3 minutes to cool the motor.

# 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.

## **TROUBLESHOOTING**

1. If your drill will not operate, check the power at the mains plug.
2. 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.
3. If a fault can not be rectified, return the drill to an authorised dealer for repair.

## **ENVIRONMENT PROTECTION**



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. For further information visit [www.recycle-more.co.uk](http://www.recycle-more.co.uk)

# PLUG REPLACEMENT (UK & 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**

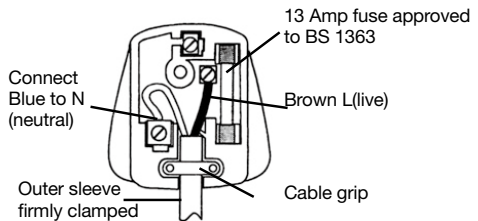
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. The wire which is coloured blue must be connected to the terminal which is marked with N. The wire which is coloured brown must be 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 13AMP 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.





# Erbauer®

## DECLARATION OF CONFORMITY

We, Importer  
**Erbauer (UK) Ltd BA22 8RT**

Declare that the product  
Description: **800W Percussion Drill**  
Model: **ERB565DRL**

Complies with the following Directives,  
EC Machinery Directive **2006/42/EC**  
EC Low Voltage Directive **2006/95/EC**

EC Electromagnetic Compatibility Directive **2004/108/EC**

Restrictions of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment **2011/65/EU**  
**2012/19/EU** Waste Electrical and Electronic Equipment (WEEE)

Standards conform to:

**EN 55014-1**  
**EN 55014-2**  
**EN 61000-3-2**  
**EN 61000-3-3**  
**EN 60745-2-1**  
**EN 60745-1**

### Authorised Signatory and technical file holder

Date: 11/06/14

Signature: P. C. Harries

Name / title: Peter Harries / Quality Manager  
Erbauer (UK) Ltd. Trade House, Mead Avenue, BA22 8RT



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