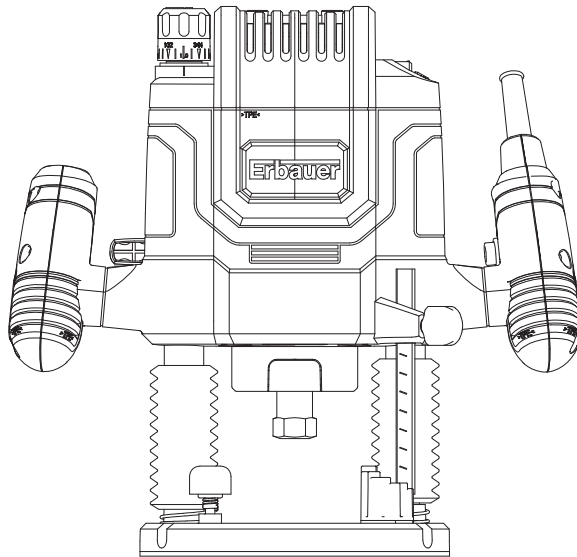




Erbauer










EAN: 3663602796299

ER2100

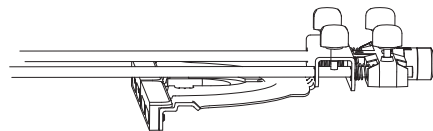
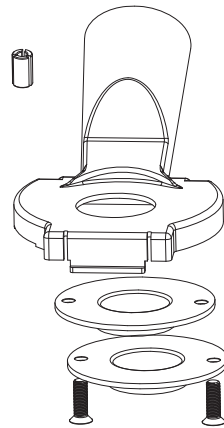
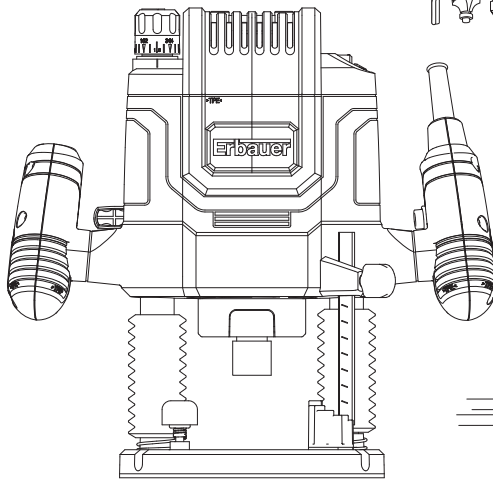
ORIGINAL INSTRUCTIONS



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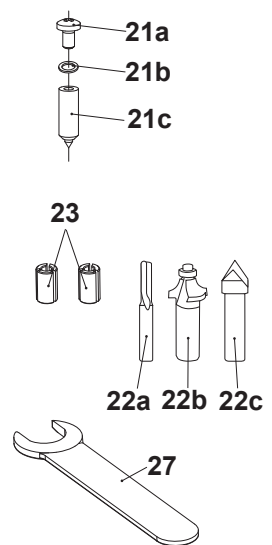
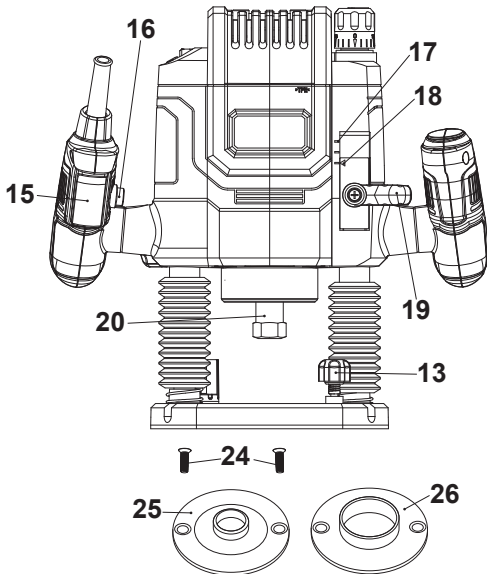
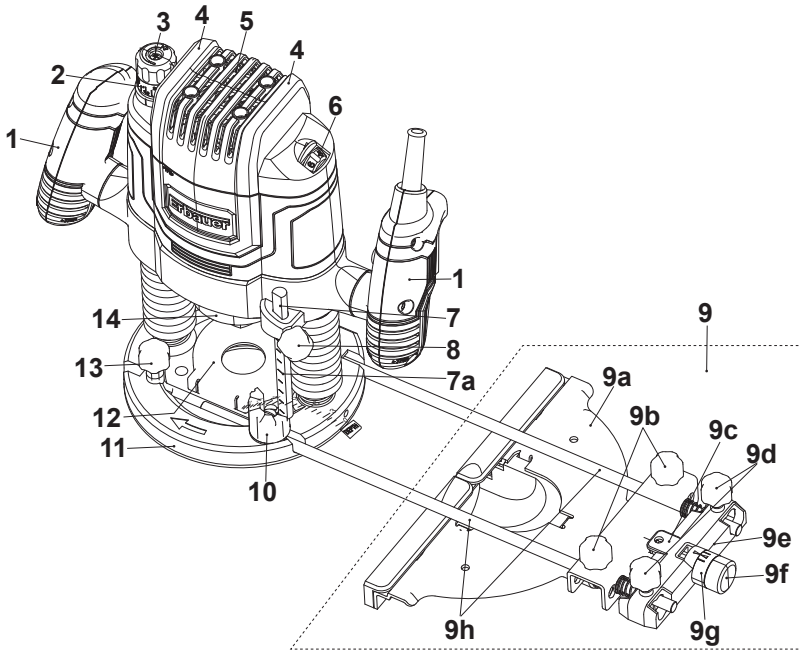
WARNING! Please read all safety warnings carefully and be sure that they are fully understood before handling the tool.

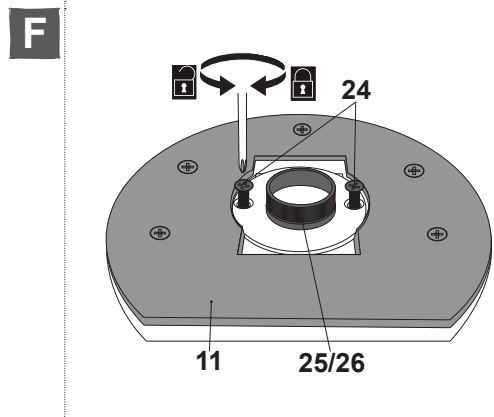
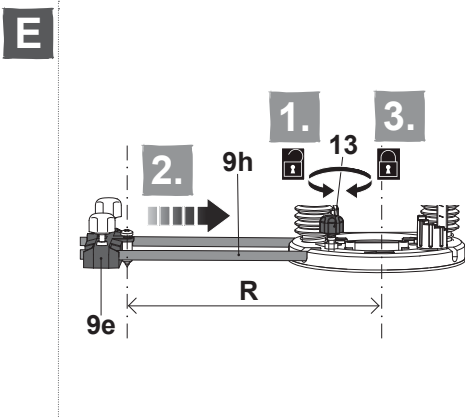
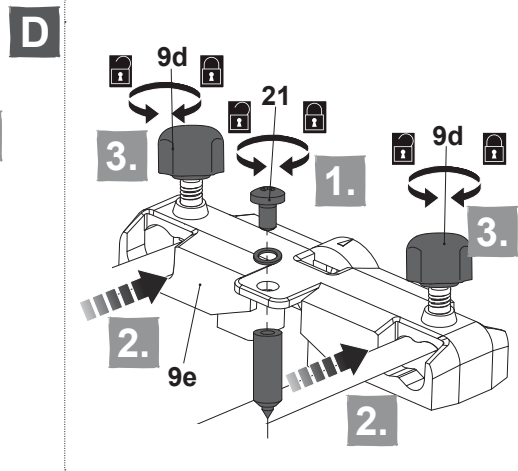
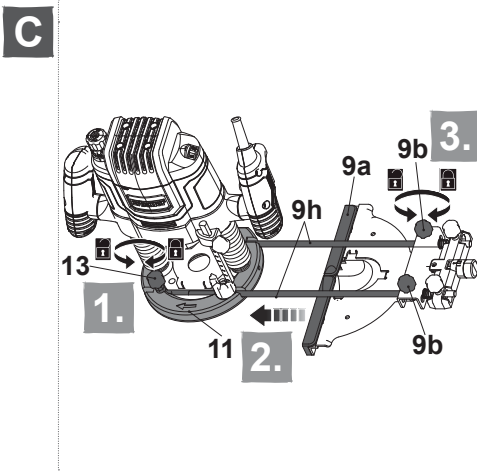
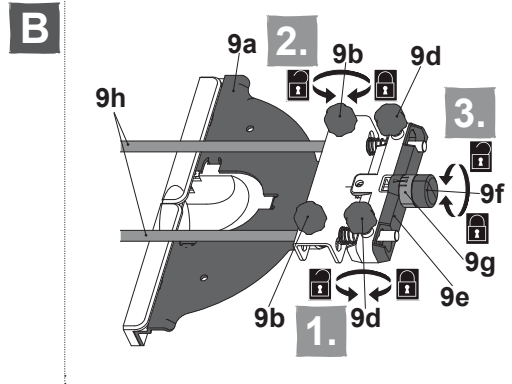
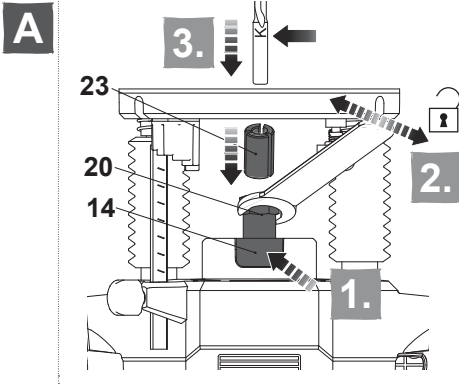




Product description

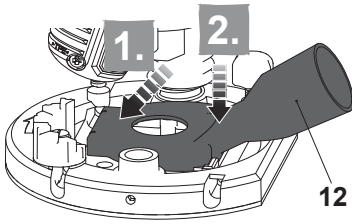
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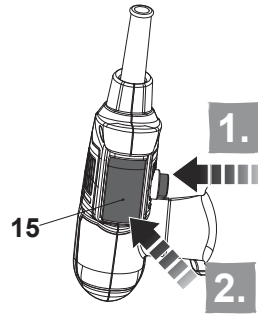




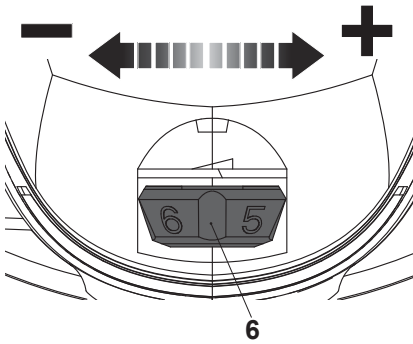
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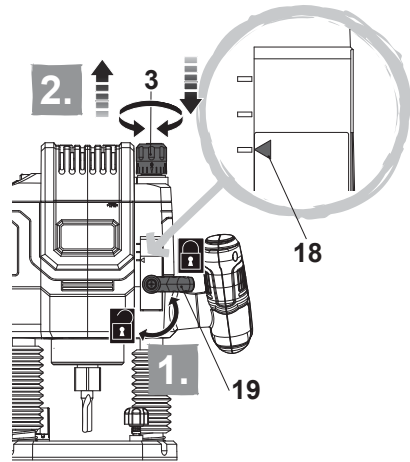
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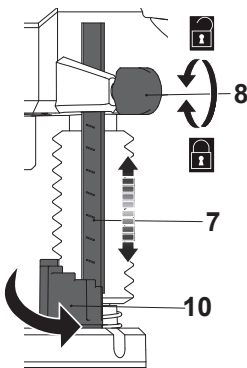
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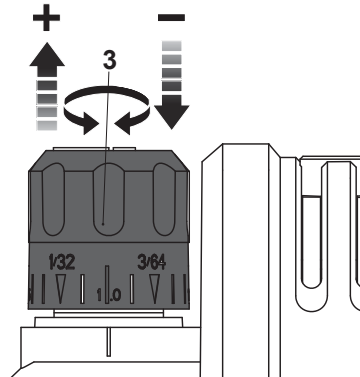
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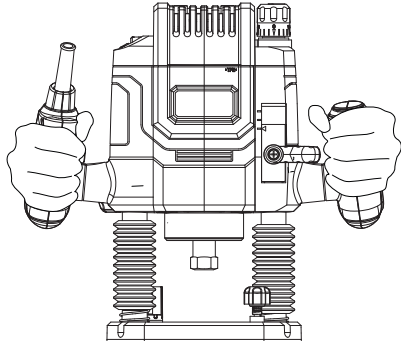


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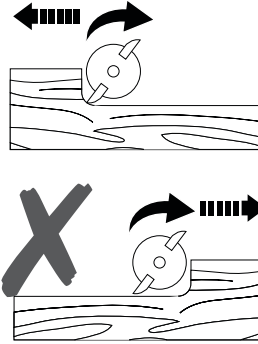




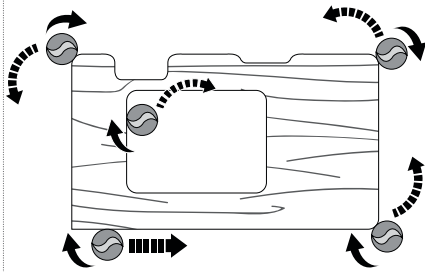
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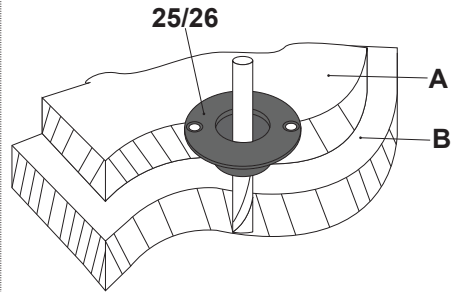
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O



P





Safety instructions

GENERAL POWER TOOL SAFETY WARNING



WARNING Read 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.*

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 a 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 and clothing 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.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

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.***
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease. *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.***

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.***

SAFETY WARNINGS FOR ROUTER

- a) **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.***
- b) **Use clamps or another practical way to secure and support the workpiece to a stable platform. *Holding the workpiece by hand or against your body leaves it unstable and may lead to loss of control.***
- c) ***The router may only be used for cutting wood or wood-like material.***
- d) ***Ensure that the workpiece is free of foreign objects such as screws or nails.***

- e) *Beware of concealed live wires, cable conduits, gas and water pipes. When routing a workpiece that potentially contains any of the above, use a detector to first determine their locations. Be especially careful when making plunge cuts. Always hold the router by the insulated plastic handles and never by the metal parts.*
- f) *Never use your fingers to clear waste material or blockages.*
- g) *The power tool shall not be wet or applied in wet environment.*
- h) *The voltage of the power source must agree with the voltage specified on the rating label of the machine.*
- i) *Check the product, its power cord and plug as well as accessories for damage before each use. Do not use the product if it is damaged or shows wear.*
- j) *Be aware of kickback.*
- k) *Turn the product off immediately, if the router bit gets jammed.*
- l) *Never touch the workpiece with your hand when you are working on it.*
- m) *Keep the handles dry to ensure safe control. Grip the product securely with two hands so you have full control at all times.*
- n) *Ensure that the air vents are always unobstructed and clear. Clean them if necessary with a soft brush. Blocked air vents may lead to overheating and damage the product.*
- o) *Switch the product off immediately if you are disturbed while working by other people entering the working area. Always let the product come to complete stop before putting it down.*
- p) *Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.*
- q) *Always keep the power cord behind the power tool.*

The following information applies to professional users only but is good practice for all users:

ADDITIONAL SAFETY WARNINGS 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 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 dusts:

- Work in a well-ventilated.
- Work with approved protective 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.

SEE TECHNICAL SPECIFICATIONS IN THE INSTRUCTION MANUAL FOR THE VIBRATION LEVELS OF YOUR TOOL.

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 use can be difficult and the HSE website has further information.

The declared vibration total value has been measured in accordance with EN 60745-1 and EN 60745-2-17 and may be used for compare one tool with another.

The declared vibration total value may also be used in a preliminary assessment of exposure.



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

- How the materials are grinded, cut or drilled.
- If the tool is in good condition and well maintained.
- Use correct accessory for the tool and ensure 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 chisels, drills and blades.
- 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.

VIBRATION AND NOISE REDUCTION

To reduce the impact of noise and vibration emission, limit the time of operation, use low-vibration and low-noise operating modes as well as wear personal protective equipment.

Take the following points into account to minimise the vibration and noise exposure risks:

1. Only use the product as intended by its design and these instructions.
2. Ensure that the product is in good condition and well maintained.

3. Use correct attachments for the product and ensure they are in good condition.
4. Keep tight grip on the handles/grip surface.
5. Maintain this product in accordance with these instructions and keep it well lubricated (where appropriate).
6. Plan your work schedule to spread any high vibration tool use across a longer period of time.
7. Prolonged use of the product exposes the user to vibrations that can cause a range of conditions collectively known as hand-arm vibration syndrome (HAVS) e.g. fingers going white; as well as specific diseases such as carpal tunnel syndrome. To reduce this risk when using the product, always wear protective gloves and keep your hands warm.

RESIDUAL RISKS

Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this product:

1. Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
2. Injuries and damage to property due to broken attachments or the sudden impact of hidden objects during use.
3. Danger of injury and property damage caused by flying objects or poor power tool accessories.



WARNING! This product produces an electromagnetic field during operation! This field may under some circumstances interfere with active or passive medical implants! To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their doctor and the medical implant manufacturer before operating this product!



Product description

Part index

The index below refers to Fig. 1 on page 4.

- | | |
|---|--|
| 1. Main handles | 15. On/off switch |
| 2. Scale wheel
(for fine cutting depth adjustment) | 16. Lock-off button |
| 3. Adjustment knob
(for fine cutting depth adjustment) | 17. Scale
(for fine cutting depth adjustment) |
| 4. Standing feet | 18. Indicator
(for fine cutting depth adjustment) |
| 5. Air vents | 19. Fixing lever
(for cutting depth adjustment) |
| 6. Speed dial | 20. Clamp nut with collet
(1/2" for UK; 12mm for EU) |
| 7. Depth stop | 21. Centre pin |
| a. Scale | a. Screw |
| 8. Fixing screw for depth stop | b. Washer |
| 9. Parallel guide assembly | c. Pin |
| a. Guide base assembly | 22. Router bit |
| b. Guide base fixing knobs | a. Straight bit |
| c. Hole for centre pin | b. Core box bit |
| d. Adjustment guide fixing knobs | c. V groove bit |
| e. Adjustment guide assembly | 23. Collet |
| f. Scale wheel | (1/4" and 3/8" for UK; 6 and 8mm
for other countries) |
| g. Fine adjustment knob | 24. Screws for template guide |
| h. Guide rods | 25. Template guide (16 mm) |
| 10. Step buffer | 26. Template guide (30 mm) |
| 11. Base plate | 27. Wrench |
| 12. Vacuum cleaner adaptor | |
| 13. Parallel guide fixing knobs | |
| 14. Spindle lock | |

Symbols

On the product, the rating label and within these instructions you will find among others the following symbols and abbreviations. Familiarize yourself with them to reduce hazards like personal injuries and damage to property.



Always wear eye protection.



Always wear ear protection.



Wear a dust mask.



Wear protective gloves.



Lock / to tighten or secure.



Unlock / to loosen.



Note / Remark.



Caution / Warning.



Wrong.



Correct.

dB(A)

Decibel (A-rated)

n_0

No-load speed



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



Switch the product off and disconnect it from the power supply before assembly, cleaning, adjustments, maintenance, storage and transportation.



This product is of protection class II. That means it is equipped with enhanced or double insulation.



The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.



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


yyWxx

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



3 metre Power Cord Length

Technical data

Rated voltage, frequency	: 220-240 V~, 50 Hz
Rated power input	: 2100 W
Rated no load speed n_0	: 11500 - 28000 min ⁻¹
Collet size	: 1/4, 3/8 and 1/2 inch for UK : 6, 8 and 12mm for EU
Max. Plunge depth	: 60 mm
Protection class	: II 
Weight	: Approx. 4 kg
Sound pressure level L_{pA}	: 90 dB(A)
Sound power level L_{WA}	: 101 dB(A)
Uncertainty K_{pA}, K_{WA}	: 3 dB(A)
Vibration total value a_h	: 2.543 m/s ²
Uncertainty K	: 1.5 m/s ²

The sound emission values have been obtained according to the noise test code given in EN 60745-1 and EN 60745-2-17. The noise for the operator may exceed 80 dB(A) and ear protection measures are necessary.

Rating label explanation

ER2100 = Model number
 E = Erbauer
 R = Router
 2100 = Power (Watts)



Assembly

01

Unpacking

1. Unpack all parts and lay them on a flat, stable surface.
2. Remove all packing materials and shipping devices, if applicable.
3. Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.



WARNING! The product must be fully assembled before operation!

Do not use a product that is only partly assembled or assembled with damaged parts!



Wear protective gloves for this assembly work and always lay the product on a flat and stable surface while assembling.

Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product!



Do not connect the product to power supply before it is completely assembled!



WARNING! The product and the packaging are not children's toys!

Children must not play with plastic bags, sheets and small parts! There is a danger of choking and suffocation!

02

Router bits



WARNING! Always use router bits according to the intended use! Observe the technical specifications of this product when purchasing and using router bits!






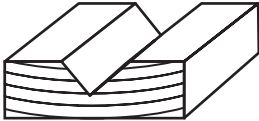


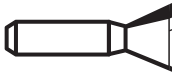

Ensure that the maximum rated speed of the router bits is at least equal to, or higher than, the router's no-load speed.

Any router bits used must fit exactly in the collet. Never use a router bit with a shaft diameter that does not fit to the collet.

Router bits are sharp and hot after use! Handle them with care! Wear safety gloves when handling router bits to avoid injuries like burns and cuts!

Type and shapes

Router bits are available in various shapes and sizes. Below is only a short overview of the most commonly shapes. Ask the store for more choices.

Type	Profile
	
	
	
	

Inserting (Fig. A)

1. Put the router upside down with its standing feet (4) on a stable work bench.
2. Press the spindle lock (14) and turn the clamp nut with collet (20) slowly until the spindle lock (14) engages. Hold the spindle lock (14) in position (Fig. A, step 1).
3. Loosen the clamp nut with collet (20) anticlockwise with the wrench (27) (Fig. A, step 2).
4. For bits with 1/2 inch (for UK) or 12mm (for EU) shank, insert a suitable router bit (22) into the clamp nut with collet (20) directly until "K"-mark and/or 25mm at least. (Fig. A, step 3).
5. For other bits, insert the suitable collet (23) into the clamp nut with collet (20) fully, then insert the router bit (22) into the collet (23) until "K"-mark and/or 25mm at least. (Fig. A, step 3).
6. Tighten the clamp nut with collet (20) clockwise with the wrench (27).
7. Release the spindle lock (14) and make sure that the spindle can rotate freely.



NOTE: Choose the correct router bit according to the desired operation. Before use, please always ensure the router bit is properly attached and free of damage.

Removing (Fig. A)

1. Put the router upside down with its standing feet (4) on a stable work bench.
2. Press the spindle lock (14) and turn the clamp nut with collet (20) slowly until the spindle lock (14) engages. Hold the spindle lock (14) in position (Fig. A, step 1).
3. Loosen the clamp nut with collet (20) anticlockwise with the wrench (27) (Fig. A, step 2).
4. Remove the router bit (22) and collet (23) if necessary and keep the small parts safe, especially the removed collet (23).
5. Attach the clamp nut with collet (20) with normal finger force.

03

Parallel guide

Attach the parallel guide from the left or right side to perform cuts parallel to the left or right edge of the workpiece.

Attaching (Fig. B, C)

1. Loosen the guide base fixing knobs (9b x2) and adjustment guide fixing knobs (9d x2) anticlockwise slightly and ensure that the ends of guide rods (9h x2) are flush to the outer side of the adjustment guide assembly (9e) (Fig. B).
2. Fix the guide rods (9h x2) in the adjustment guide assembly (9e) by tightening the adjustment guide fixing knobs (9d x2) clockwise.

3. Tighten the fine adjustment knob (9f) clockwise until stop.
4. Fix the guide rods (9h x2) in the guide base assembly (9a) by tightening the guide base fixing knobs (9b x2) clockwise.
5. Loosen the parallel guide fixing knobs (13) anticlockwise (Fig. C, step 1).
6. Align the guide rods (9h x2) to the mounting holes of base plate (11) and insert the two guide rods (9h x2) (Fig. C, step 2).
7. Move the parallel guide assembly (9) in the rail of base plate (11) to adjust the desired working position.



WARNING! To ensure the safety and quality of parallel cutting, the two guide rods (9h x2) shall be inserted into the base plate (11) sufficiently until the tips come out from the other side of the base plate.

8. Fix the parallel guide assembly (9) in position by tightening the parallel guide fixing knobs (13) clockwise.

Fine adjustment of parallel guide assembly (Fig. B)

The distance between guide base assembly (9a) and router bit can precisely adjusted by turning the fine adjustment knob (9f). Each scale mark corresponds 0.1 mm and 1 turn corresponds 2.0 mm. The adjustment range is approx. 0-16 mm for reducing the distance between guide base assembly (9a) and router bit.

1. Draw orientation line/cross/channel for cutting.
2. Prepare the rough setting of the distance between the router bit and parallel guide as instructed above ("inserting") while the distance should be 1-3mm away from than the target distance.
3. Loosen the guide base fixing knobs (9b x2) anticlockwise (Fig. B, step 2).
4. Lean the edge of the guide base assembly (9a) against the workpiece edge firmly and loosen the fine adjustment knob (9f) anti-clockwise to move the router closer to the guide base assembly (9a) until the router bit reaches the desired position precisely.
5. The scale wheel (9g) is an aid to move the router bit closer to guide base assembly (9a) for a precise distance as follows:
 - a. Align the "0" mark on the scale wheel (9g) with the fixed indicator on the adjustment guide assembly (9e) by turning the scale wheel (9g) without touching the fine adjustment knob (9f).
 - b. Lean the edge of the guide base assembly (9a) against the workpiece edge firmly and turn the fine adjustment knob (9f) anti-clockwise and scale wheel (9g) synchronously.
 - c. The distance amount indicated by the scale mark and/or rounds corresponds the movement of router towards the workpiece edge.
6. Fix the guide base assembly (9a) by tightening the guide base fixing knobs (9b x2) clockwise (Fig. C, step 3).

Centre pin (Fig. B, C, D, E)

Use the centre pin (21) to cut circles, arcs or circular pattern into the workpiece.

1. Loosen the adjustment guide fixing knobs (9d x2) anticlockwise (Fig. B, step 1).
2. Loosen the guide base fixing knobs (9b x2) anticlockwise (Fig. B, step 2).
3. Remove the guide rods (9h x2) and keep the springs safe.
4. Loosen fine adjustment knob (9f) completely and remove it (Fig. B, step 3).
5. Assemble the centre pin (21) on the adjustment guide assembly (9e) and tighten the screw (21a) (Fig. D, step 1).
6. Insert the guide rods (9h x2) into the inner mounting holes of the adjustment guide assembly (9e) (Fig. D, step 2) and tighten the adjustment guide fixing knobs (9d x2) (Fig. D, step 3).
7. Loosen the parallel guide fixing knobs (13) anticlockwise (Fig. E, step 1).
8. Align the adjustment guide assembly (9e) with centre pin (21) and guide rods (9h x2) to the mounting holes of the base plate (11) and insert it (Fig. E, step 2).
9. Slide the adjustment guide assembly (9e) with centre pin (21) and guide rods (9h x2) in the rail of the base plate (11) to adjust to adjust the desired cutting radius "R" which is determined by the distance between the tip of centre pin and the routing axis (Fig. E).



WARNING! To ensure the safety and quality of the application with centre pin (21), the two guide rods (9h x2) shall be inserted into the base plate (11) sufficiently until the tips come out from the other side of the base plate.

10. Fix the adjustment guide assembly (9e) with centre pin (21) and guide rods (9h x2) in position by tightening the parallel guide fixing knobs (13) clockwise (Fig. E, step 3).

Detaching

1. Loosen the parallel guide fixing knobs (13) anticlockwise (Fig. C, step 1).
2. Remove the parallel guide assembly (9) off the base plate (11).
3. Tighten the parallel guide fixing knobs (13) clockwise.

04

Template guide (Fig. F)

Use the template guides (25 or 26) for template routing on workpiece.



WARNING! Only use the template guide for template routing applications! Always remove the template guide when using the product for other applications!.

Attaching

1. Put the router upside down with its standing feet (4) on a stable work bench.
2. Place the template guide (25 or 26) on the base plate (11) and secure it with two screws for template guide (24) with a screw driver.

Detaching

1. Turn the router upside down with its standing feet (4) on a stable work bench.
2. Loosen the two screws for template guide (24) with a screw driver.
3. Remove the screws and template guide (25 or 26)..

05

Dust extraction (Fig. G)



WARNING! Attach a dust extraction device when using this product to keep the working area clean! Wear a dust mask when operating this product! Dust can be harmful to health!



Only assemble the vacuum cleaner adaptor (12) when the router bit is removed!

Attaching

1. Latch the front edge of the vacuum cleaner adaptor (12) in the opening of the base plate (11) (Fig. G, step 1).
2. Press the vacuum cleaner adaptor (12) forward slightly and latch the two rear corners of the vacuum cleaner adaptor (12) in the opening of the base plate (11) (Fig. G, step 2).
3. Check if the vacuum cleaner adaptor (12) is reliably fixed.
4. Attach vacuum cleaner attachment (Ø35mm) to the vacuum cleaner adaptor (12).

Detaching

1. Remove the vacuum cleaner attachment from the vacuum cleaner adaptor (12).
2. Press the vacuum cleaner adaptor (12) forward slightly and release/lift the two rear corners of the vacuum cleaner adaptor (12) from the opening of the base plate (11).
3. Remove the vacuum cleaner adaptor (12) from the base plate (11).



Use

Intended use

This product is intended for routing grooves, edges, profiles and elongated hole cuts in wood, plastic and light building materials, while resting firmly on the workpiece. The product must be used in an upright position.

Never use for working overhead or on vertical surfaces.

Before you start

01 Protection



Controls

01 On/off switch and Lock-off button (Fig. H)

1. Press the lock-off button (16) and hold it in position.
2. Press the on/off switch (15) to switch the product on.
3. Release the on/off switch (15) to switch the product off.

02 Speed dial (Fig. I)

Adjust the maximum speed by using the speed dial (6).

1. Turn the speed dial (6) to larger number to increase the speed. A higher setting is suitable when using large diameter router bits or working on hard materials like wood.
2. Turn the speed dial (6) to smaller number to decrease the speed. A lower setting is suitable when using small diameter router bits or working on soft materials like plastic.

Recommended rotational speed

Material	Speed stages
Hardwood (e.g. Beech)	4 – 6
Softwood (e.g. Pine)	5 – 6
Chipboard	3 – 5
Plastic	2 – 3
Aluminium	1 – 4



NOTE: Above values are for guidance only and may vary according to the actual workpiece.

03 Cutting depth setting



WARNING! Always switch the product off and disconnect it from power supply before making any adjustments!

Coarse adjustment (Fig. J and K)

1. Place the product with the pre-fitted router bit upright on the workpiece with its back side to the operator.
2. Release the fixing lever (19) by turning clockwise and raise the motor housing by the spring force of the two pillars to its highest position. (Fig. J, step 1)



WARNING! Be aware of the spring force in the pillars and put one hand on the top of the router when releasing the fixing lever (19) to avoid unintended jumping-up of the router.

3. Turn the adjustment knob (3) anti-clockwise until the stop to align the indicator (18) with the lower scale mark (Fig. J, step 2).
4. Turn the product around with its front side to the operator.
5. Loosen the fixing screw for depth stop (8), slide the depth stop (7) upward, set the step buffer (10) to its lowest position for the depth stop (7) and let the depth stop (7) drop to the step buffer (10) freely (Fig. K).

6. Lower the motor housing slowly by applying pressure on both main handles (1) until the router bit touches the surface of the workpiece. Hold both main handles (1) in position and lock the fixing lever (19) with the finger of the left hand.
7. Ensure that depth stop (7) stands on the step buffer (10) correctly and read the indicated value on the scale (7a). Reduce the desired cutting depth to the read value and lift the depth stop (7) accordingly.
8. Tighten the fixing screw for depth stop (8) to fix the depth stop (7) in position.



EXAMPLE! The indicated value is 60 mm (6 on the scale (7a)), the desired cutting depth 5 mm. The target setting value is 55 mm. Pull the depth stop (7) upward until 55 mm is indicated.



NOTE: It is recommended to perform a trial cut in a piece of test wood to double check the cutting depth.

Fine adjustment (Fig. J, L)

Use the adjustment knob (3) for precise setting of cutting depth. The adjustment can be done both in locking and releasing position of fixing lever (19).

Turning of adjustment knob (3) can perform fine adjustment of cutting depth according following information:

1 mark on scale wheel (2) = 0.1 mm

1 turn of scale wheel (2) = 2.0 mm

1 mark on the scale (17) = 8 mm

Total adjustment range = 0-16 mm

1. Align the "0" mark on the scale wheel (2) with the fixed indicator on the motor housing by turning the scale wheel (2) without touching the adjustment knob (3).
2. Rotate adjustment knob (3) clockwise to increase the cutting depth while the scale wheel (2) turns with the adjustment knob (3) synchronously.
3. Rotate adjustment knob (3) anticlockwise to decrease the cutting depth while the scale wheel (2) turns with the adjustment knob (3) synchronously.



NOTE: After setting the cutting depth, the position of the reset-mark on the depth stop should not be changed any more so that the currently adjusted setting can always be read off the scale.

Step buffer

The step buffer (10) is particularly useful when cutting a very deep cut is required and it is necessary to remove material in several steps. With this product you can divide one deep cut into up to 8 steps.



NOTE: Proceeding in several steps is useful when making very deep cuts. Otherwise the workpiece and the router bit could get damaged. The steps on the step buffer are of different heights..

1. Set the required cutting depth with the lowest step of the step buffer (10) as described above: “coarse adjustment” and “fine adjustment”.
2. Release the fixing lever (19) by turning clockwise and raise the motor housing by the spring force of the two pillars until highest position. (Fig. J, step 1)



WARNING! Be aware of the spring force in the pillars and put one hand on the top of the router when release the fixing lever (19) to avoid unintended jumping-up of the router.

3. Turn the step buffer (10) to a higher step which the router bit starts to be able to touch the work piece surface. Perform the first cut with this setting.
4. Turn the step buffer (10) clockwise to the next lower step and perform a second cut. Repeat such cut step by step until the final cut with the lowest position is finished. (Fig. K).

Operation

01 General routing (Fig. M)



WARNING! During operation fine dust will be generated! The dust is highly inflammable and explosive! Do not smoke during operation, keep heat sources and open flames out of the working area!

Always wear a dust mask to protect yourself against hazards resulting from fine dust!

Since excessive cutting may cause overload of the motor or difficulty in controlling the tool, the depth of cut should not be more than 15 mm at a pass when cutting grooves with an 8 mm diameter bit.

When cutting grooves with a 20 mm diameter bit, the depth of cut should not be more than 5 mm at a pass.

For extra-deep grooving operations, make two or three passes with progressively deeper bit settings.



NOTE: Before first use on a workpiece make yourself familiar with the different routing functions using waste material.

Even if you are familiar with this product, always make a trial cut on waste material to test the adjusted speed, routing depth and chosen router bit.

1. Ensure the workpiece is free of obstacles like nails or screws before operation. Remove them if required.
2. Always attach the desired router bit and a dust extraction device.
3. Hold the product firmly with both hands on its handles and put the router on the work piece in desired position before switch it on.
4. Always wait until the power tool has reached its full speed before cutting. Never switch the power tool on when a bit is in contact with the workpiece as this can lead to damage, kick-back or injury.
5. Press the router downward slowly and gently in desired position and running router bit to start a plunge routing if applicable. Re-tighten the fixing lever (19) and guide the router gently and evenly over the workpiece.
6. Move the product with a slow and even speed. Pay attention to the direction of feeding as instructed below.
7. Always keep the balance of the router to avoid falling to the non-supported side.
8. Bring the product to a stop at the end of the cut, release the on/off switch and wait until the router bit has come to a complete stop before removing the product from the workpiece.



WARNING! Danger of kickback! Apply the product to the workpiece only when switched on!

WARNING! Always ensure the base plate lays flat on the workpiece during operation! Do not try to make cuts with the product only held by one hand!

02 Direction of feeding (Fig. N and O)

Always route against the rotation direction of the router bit. Otherwise the router bit will become loose in the collet and the router will be difficult to control because the kick-back and guiding force are in same direction (Fig. N).

Move the product anticlockwise when routing on workpiece edges, move the product clockwise when routing the inside of the workpiece (Fig. O).



NOTE: For satisfactory results we recommend always using the guides provided.

03 Parallel cuts and edging

Parallel cuts and edging shall use the parallel guide assembly (9) provided.

1. Set the cutting depth first.
2. Attach the parallel guide assembly (9) to the product.
3. Place the product on the workpiece with the parallel guide assembly (9) laying against the workpiece edge and adjust it to the desired width.
4. Fasten all the fixing elements parallel guide assembly (9) tightly and check them regularly during working period.
5. Guide the router with light leaning force to the work piece edge.

04 Circles

1. Set the cutting depth carefully.
2. Attach the centre pin (21) to the parallel guide assembly.
3. Set the desired circle radius by adjusting insertion of the guide rods (9h x2).
4. Mark the centre of the circle and slightly punch the pin into it. Make sure it cannot slip out during operation to achieve a satisfying result.
5. Start routing around the centre of the circle.



Pre-drilling of a hole which has same diameter of the tip of the centre pin (21) will be helpful to keep the centre pin (21) in position.

05 Template cuts (Fig. P)

1. Attach the suitable template guide (25 or 26) to the product.
2. Lay the template onto the workpiece and fix it using proper clamps. Fix the clamps in a way that they will not block the movement of the product.
3. Place the product on the workpiece with the collar of the template guide lying against the template edge.
4. Apply light pressure against the template during operation to ensure the template guide lies flat against the template edge.



WARNING! Only use router bits which are smaller than the centre opening of the template guide.
The template must have a minimum thickness of 8 mm due to the protruding template guide.



- Consider about dislocation of the routing channel/edge to template.
- Adjustment of cutting depth shall consider the thickness of template.

After use

1. Switch the product off, wait for complete stop, disconnect it from the power supply, let it cool down and remove the router bit.
2. Check, clean and store the product as described below.



Care & maintenance



WARNING! Always switch the product off, disconnect the product from the power supply and let the product cool down before performing inspection, maintenance and cleaning work!



Only perform care and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

Clean

- Clean the product with a dry cloth. Use a brush for areas that are hard to reach.
- In particular clean the collet, switches and air vents after every use with a cloth and brush.
- Remove stubborn dirt with high pressure air (max. 3 bar).
- Check for worn or damaged parts. Replace worn parts as necessary or contact an authorised service centre for repair before using the product again.



Do not use chemical, alkaline, abrasive or other aggressive detergents or disinfectants to clean this product as they might be harmful to its surfaces.

Maintenance

Your power tool requires no additional lubrication or maintenance.

There are no user serviceable parts in your power tool.

Before and after each use, check the product and accessories (or attachments) for wear and damage. If required, exchange them for new ones as described in this instruction manual.

01 Power cord

If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

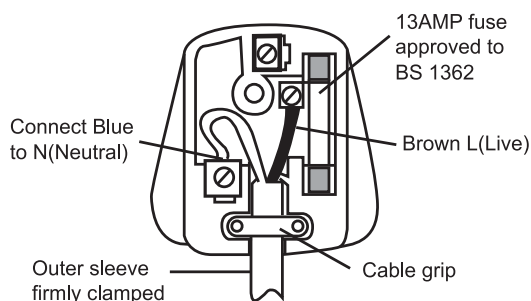
02 UK plug (only for UK market)

Replacement of the plug shall always be carried out by the manufacturer of the tool or his service organization and 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 wire in the mains lead of this product may not correspond with the coloured marking 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 or coloured black. The wire, which is coloured brown, must be connected to the terminal, which is marked L or coloured red.



WARNING! Never connect live or neutral wires to the earth terminal of the plug, which is marked with E.

Only fit an approved 13 Amp BS 1363 or BS 1363/A plug and the correctly rated fuse. If in doubt, consult a qualified electrician.

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.

Transportation



WARNING! Always carry the product by its main handle. Never use the cord for carrying the product.

1. Switch the product off and disconnect it from the power supply. Remove router bit if necessary.
2. Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
3. Secure the product to prevent it from slipping or falling over.

Storage

1. Switch the product off and disconnect it from the power supply.
2. Clean the product as described above.
3. Store the product and its accessories in a dark, dry, frost-free, well-ventilated place.
4. Always store the product in a place that is inaccessible to children. The ideal storage temperature is between 10 °C and 30 °C.
5. We recommend using the original package for storage or covering the product with a suitable cloth or enclosure to protect it against dust.

Recycling and disposal



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



Guarantee

At Erbauer we take special care to select high quality materials and use manufacturing techniques that allow us to create ranges of products incorporating design and durability. We carry out stringent testing procedures on all our tools and are confident that they can provide regular, sustained daily use during the period covered. That's why we offer a 2 year guarantee against manufacturing defects on our Erbauer power tool products.

This power tool is guaranteed for 2 years from the date of purchase, if bought in store, delivered or bought online. You may only make a claim under this guarantee upon presentation of your sales receipt or purchase invoice. Please keep your proof of purchase in a safe place.

This guarantee covers product failures and malfunctions provided the Erbauer power tool was used for the purpose for which it is intended and subject to installation, cleaning, care and maintenance in accordance with standard practice and with the information contained above and in the user manual. This guarantee does not cover defects and damage caused by or resulting from:

- Normal wear and tear
- Overload, misuse or neglect
- Repairs attempted by anyone other than an authorised agent
- Cosmetic damage
- Damage caused by foreign objects, substances or accidents
- Accidental damage or modification
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

This guarantee is limited to parts recognised as defective. It does not, in any case, cover ancillary costs (movement, labour) and direct and indirect damage.

If the Erbauer power tool is defective during the guarantee period, then we reserve the right, at our discretion, to replace the item with a product of equivalent quality and functionality or to provide a refund.

This guarantee only applies to the country of purchase or delivery and is not transferrable to any other countries. This guarantee is non-transferrable to any other person or product. Relevant local law will apply to this guarantee.

Guarantee related queries should be addressed to a store affiliated with the distributor from where you purchased the Erbauer power tool.

This guarantee is in addition to and does not affect your statutory rights relating to faulty goods as a consumer.



Declaration of conformity



EU Declaration of Conformity

We
Kingfisher International Products Limited
3 Sheldon Square
London W2 6PX
United Kingdom

Declare that the product
 2100W Router
 ER2100
 Serial number: from 000001 to 999999

Complies with the essential health and safety requirements of the following directives:
 2006/42/EC The Machinery Directive

References to the following harmonized standard were made:

EN 60745-1:2009+A11:2010
 EN 60745-2-17:2010

2014/30/EU Electromagnetic Compatibility directive
 References to the following harmonized standard were made:

EN 55014-1:2006+A1:2009+A2:2011
 EN 55014-1:2017
 EN 55014-2:2015
 EN 61000-3-2:2014
 EN 61000-3-3:2013

2011/65/EU and (EU) 2015/863 Restrictions of the Use of Certain Hazardous Substances in
 Electrical and Electronic Equipment

Authorised signatory and technical file holder:
 Kingfisher International Products Limited
 3 Sheldon Square
 London W2 6PX
 United Kingdom

on: [12/06/2018]
 Lisa Davis
 Group Quality Director





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