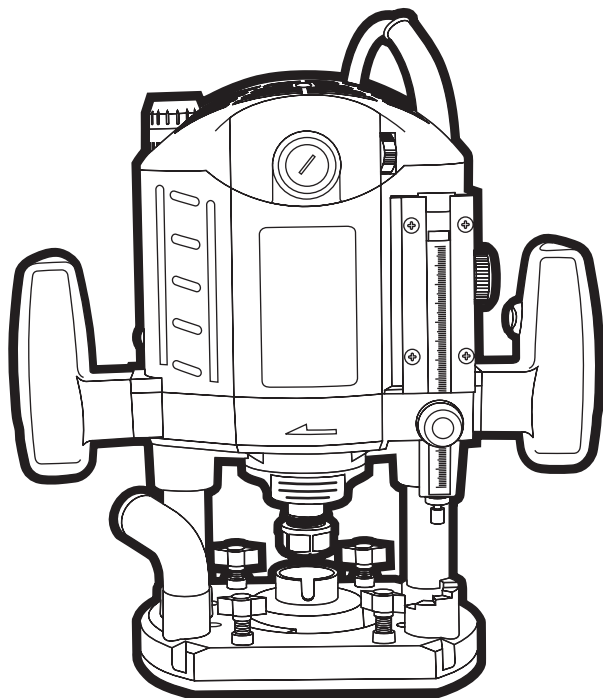


# Erbauer®



**ERB210C**

**2** WARRANTY  
YEARS

**1/2" ROUTER**



# Erbauer®

**Congratulations on your purchase of a quality power tool from Screwfix Direct Ltd. This product should give you reliable service but for your peace of mind this ERBAUER power tool does carry a 24-month manufacturer's guarantee, the terms of which are detailed below.**

**If this product develops a fault within the guarantee period contact Screwfix Direct Ltd on Freephone 0500 41 41 41.**

**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 Screwfix Direct Ltd guarantee of 24 months. If your product develops a fault within the guarantee period, you should in the first instance contact Screwfix Direct Ltd on Freephone 0500 41 41 41. If the fault occurs within the first 24 months, you may return the goods for a full refund or we will repair or replace the goods if you prefer. When repair is not practical or identical goods are not available, alternative goods of similar specification and quality will usually be provided but, failing this, you will be offered a partial or full refund depending on the time period since purchase.

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
- Repairs attempted by anyone, unless authorised by Screwfix Direct Ltd.

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 0845 607 6380.

**1/2" ROUTER**

# SAFETY INSTRUCTIONS



**WARNING!** Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

SAVE THESE INSTRUCTIONS

## 1. Work area.

**a. Keep work area clean and well lit.** Cluttered and 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. Use a Residual Circuit Breaker on all 230V Power tools.** This can help minimise the risk of an electrical shock if an earth fault or short circuits occurs.

**g. If using a power cable extension ensure that the cable is fully unwound and that its length is less than 30m.** Lengths over 30 m will effect the tools performance as a result of voltage drop.

## 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 safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

**c. Avoid accidental starting. Ensure the switch is in the off-position before plugging in.** Carrying power tools with your finger on the switch or plugging in 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 these devices 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 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 tools 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 and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from 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.

### **HEALTH ADVICE**

**WARNING!** When drilling, sanding, sawing or grinding, dust particles will be produced. In some instances, depending on the materials you are working with, this dust can be particularly harmful to you (e.g. lead from old gloss paint).

You are advised to consider the risks associated with the materials you are working with and to reduce the risk of exposure. You should:

- Work in a well-ventilated area.

## **ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR ROUTER**

- 1.Sawdust and splinters must not be removed while the machine is running.
- 2.Do not use cutting discs or circular saw blade in the machine.
- 3.Protect router bits against shocks and impacts.
- 4.Only use properly sharpened router bits, otherwise increased cutting force will shatter the workpiece.
- 5.Before use inspect the router bits for any damage. Do not use router bits, which are cracked ripped or otherwise damaged.
- 6.Make sure that the workpiece is sufficiently supported or clamped. Keep your hands away from the surface to be cut.
- 7.When fitting a router bit ensure that it is securely engaged within the collet and fully tightened before use!
- 8.Make sure that router bit has been mounted and fastened correctly.Do not use reducing rings or adapters to make the router bits fit properly.
- 9.Apply the machine to the workpiece only when the machine is switched on.
- 10.When working with the machine always hold the machine firmly with both hands and provide for a secure stance.
- 11.Always wear safety goggles and hearing protection. If desired or required also use another protection for example an apron or helmet.
12. Always disconnect the plug from the socket before you carry out any work on the machine. Only plug-in when the machine is switched off.
- 13.Keep mains lead clear from working range of the machine. Always lead the cable away behind you.
- 14.Do not stop the router bits by hand after switching off.
- 15.The base plate must not be clamped down while the router bits is extended. Lowering and raising the blade must be a smooth operation.
16. Always use the appropriate safety equipment that is required for the product. E.G. Goggles / Safety Spectacles, Ear defenders (essential with tools with a noise rating of over 85 DbA), Gloves for handling router bits and face masks. In all cases ensure that the safety equipment is in good condition and fully meets the appropriate British Standards.

### **Double insulation:**

The tool is double insulated. This means that all the external metal parts are electrically insulated from the mains 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 mains plug from socket before carrying out, any adjustment or servicing

## SYMBOLS



Read the manual



Double insulation



Warning



Wear eye protection



Wear dust mask



Wear ear protection

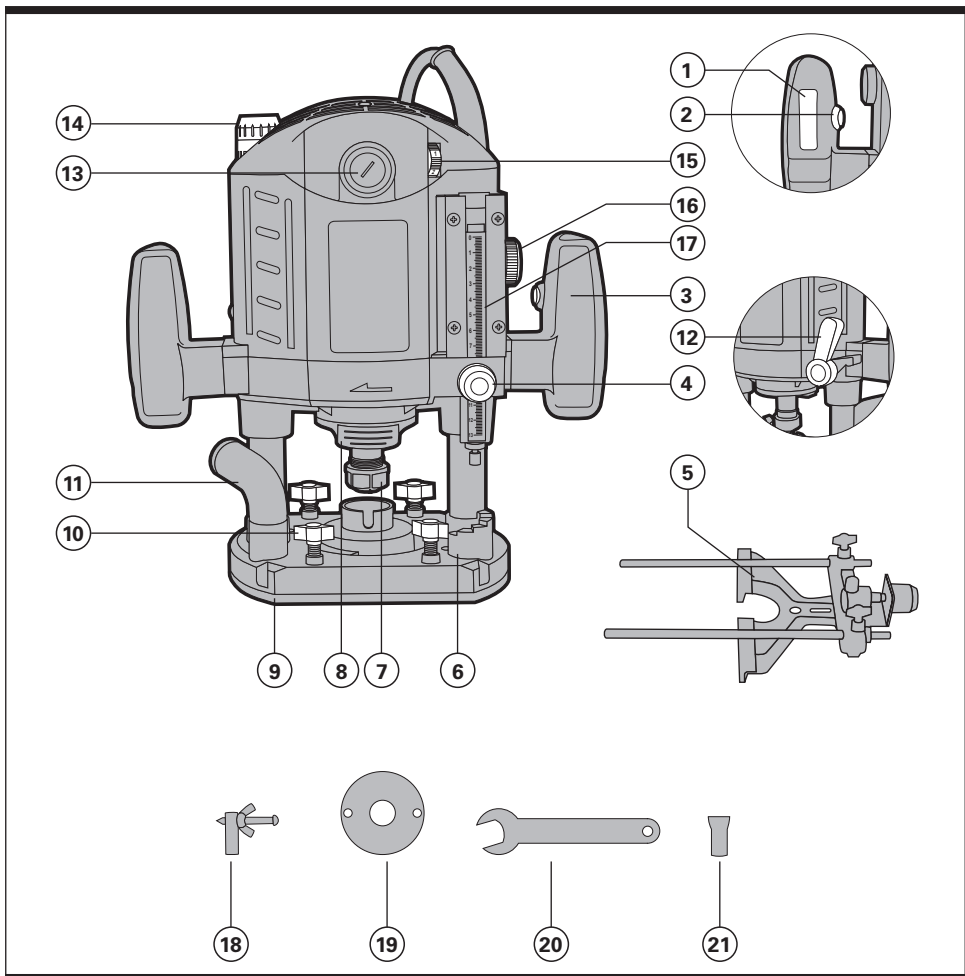


Wear gloves



WEEE marking





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**1 . ON/OFF SWITCH**

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**2 . LOCK ON BUTTON**

---

**3 . HANDLE**

---

**4 . DEPTH STOP BAR FIXING SCREW**

---

**5 . PARALLEL GUIDE**

---

**6 . TRIPLE DEPTH STOP**

---

**7 . COLLET NUT**

---

**8 . SPINDLE LOCK**

---



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## 9. ROUTING BASE

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## 10. PARALLEL GUIDE LOCKING SCREWS

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## 11. DUST OUTLET

---

## 12. PLUNGE LOCK LEVER

---

## 13. CARBON BRUSH COVER

---

## 14. MICRO DEPTH ADJUSTMENT KNOB

---

## 15. VARIABLE SPEED SWITCH

---

## 16. DEPTH BAR ADJUSTMENT SCREW

---

## 17. DEPTH BAR MEASURE GUIDE

---

## 18. TRAMMEL POINT

---

## 19. 30MM GUIDE BUSH

---

## 20. SPANNER

---

## 21. 6.35MM COLLET (1/4")

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## TECHNICAL DATA

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Voltage:	230V~50Hz
Input power:	2100W
No load speed:	8,000-23,000min <sup>-1</sup>
Max. plunge depth:	60mm
Double insulation:	
Weight:	6.5Kg

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## NOISE AND VIBRATION DATA

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Sound pressure level:	89dB (A)
Sound power level:	102dB (A)
Vibration level:	≤3.64m/s <sup>2</sup>

---

## ACCESSORIES

**1/2" collet (ready fitted):** 1pc  
**Vacuum adaptor:** 1pc  
**Spanner:** 1pc  
**30mm Guide bush:** 1pc

**1/4" collet:** 1pc  
**Parallel guide:** 1pc  
**Trammel point:** 1pc

**1/2" ROUTER**

# OPERATION INSTRUCTIONS

**Warning!** Before using this tool, make sure you read the instructions carefully.

**Note:** Make sure to disconnect the router from mains supply before fixing any accessories.

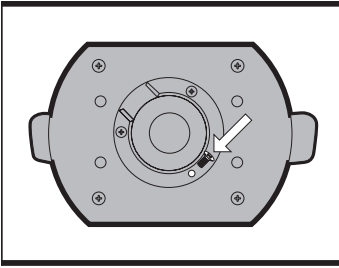


Fig 2

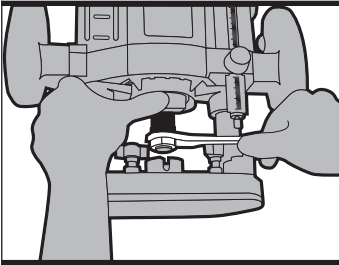


Fig 3

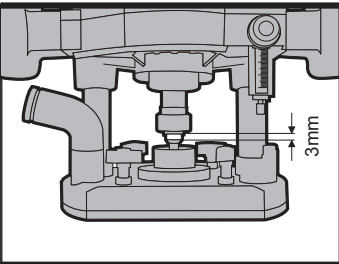


Fig 4

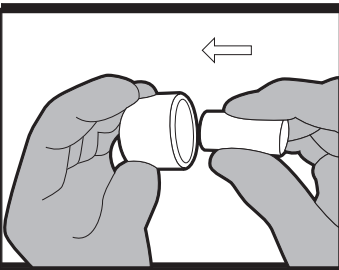


Fig 5

## 1. FITTING THE VACUUM ADAPTOR (fig2)

For the sake of your health and working environment, always use a vacuum adaptor.

Use the three screws to fasten the adaptor socket securely to the routing base. The adaptor socket is suitable for vacuum clearer with a suction hose of 36mm diameter.

## 2. FITTING THE ROUTER BIT

To insert a router bit, proceed as follows:

-Loosen the collet nut using the spanner provided press in the spindle lock button and insert the required router bit. See Fig3.

-Press in the spindle lock and tighten the collet nut, making sure at least 3mm protrudes from the end of the shank. See Fig4. Refer to the manufacturers instructions for your router bit, where this gap will be defined as the Maximum Free Shank Length.

The unit is provided with a 1/4" collet. Simply remove the 1/2" collet from the spindle and replace with the 1/4"collet.

Please see further safety notes on router cutters at back of this booklet.

## 3. ADJUSTING DEPTH OF CUT

The depth of cut is the distance between the triple depth stop and the length stop bar.

Router bits vary in depth, the triple depth stop allows for this with its three positions. Use one of the two following methods:

### Method 1: Using a piece of wood method

Fit the router bit, loosen the depth stop bar fixing screw, Loosen the plunge lock lever (Fig6) and plunge the router down until it comes into contact with the workpiece.

Lock the router into this position by pushing down the plunge lock lever.

Lift up the depth stop bar and insert a piece of wood the same thickness as the depth of cut between the stop bar and triple stop bar. See Fig7 and Fig8. Tighten the depth stop bar fixing screw and release the plunge lock lever to return the

router back to its original position. The depth of cut is now set, see "Starting the router" section for final operation.

Before proceeding carry out test cut on waste timber.

#### **Method 2: Using the scale method**

Fit the router bit, loosen the depth stop bar fixing screw and release the plunge lock lever.

Lower the router down until it contacts the workpiece, lock into this position with the plunge lock lever. The scale on the depth bar now shows the starting position. Note the starting position will vary depending on the bit used.

Next add the required depth of the cut to the starting position, i.e.: if the scale shows 20mm and you require a cut of 10mm, then the correct adjustment on the scale is  $20+10=30\text{mm}$ , if the scale shows 38mm and the required cut is 6mm in depth, the adjustment on the scale will be  $38+6=44\text{mm}$ .

Now move the depth stop bar to the calculated number, and lock bar with the fixing screw.

Release the clamp lock lever, the router will return to its original position.

Start Router as described in "Starting the router" section below.

Before proceeding carry out test cut on waste timber.

#### **4. MAKING FINE ADJUSTMENT TO CUT DEPTH**

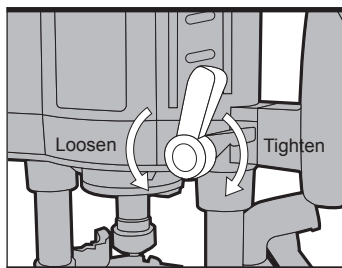
To make fine adjustments, turn the triple depth stop by loosening the centre screw, lift the stop and turn to a suitable length screw, release stop and tighten centre screw.(Fig9)

Turn the appropriate screw with a screwdriver to obtain fine adjustment (Fig10).

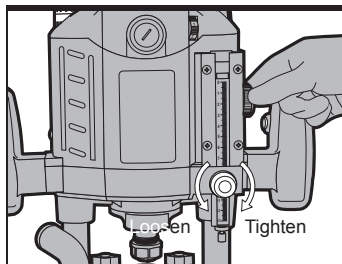
Note all three screws can be adjusted, enabling you to make different depth cuts on the same workpiece.

If you wish to make a deep cut it is best to do this in 2 or 3 stages. Do not cut more than 10mm depth at a time i.e. If cutting 30mm make 3 separate 10mm cuts. The triple depth stop, can be used for this purpose by making small variations in the 3 positions available.

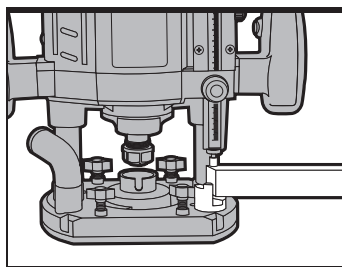
If you want to make some accurate adjustment, micro- adjustment can be made by turning the micro depth adjustment knob (Fig11). A full turn is equal to 1mm.



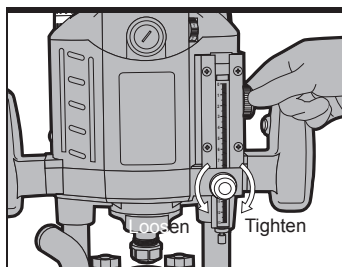
**Fig 6**



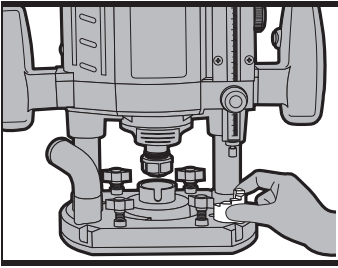
**Fig 7**



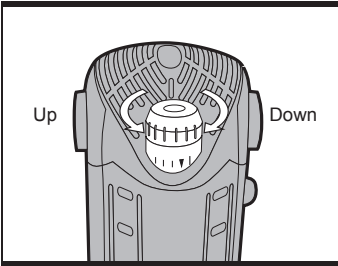
**Fig 8**



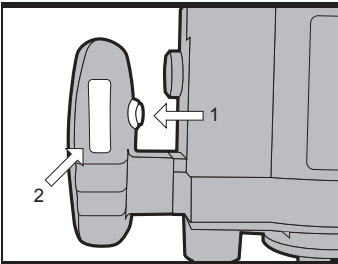
**Fig 9**



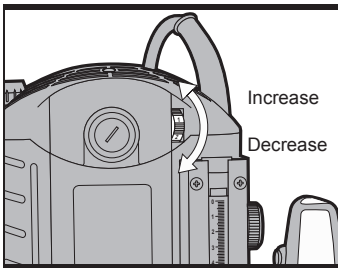
**Fig 10**



**Fig 11**



**Fig 12**



**Fig 13**

## 5. STARTING THE ROUTER

**Note:** Before starting work make sure workpiece is firmly secured.

To start the router, press in lock button with thumb then close on/off switch (Fig12). hold the two handles firmly and let the router reach full operation speed, lower the router to its working position, lock router with plunge lock lever. Move smoothly through workpiece.

Release switch and lock lever, allow the router to return to top starting position. Let the router stop fully before removing from workpiece.

## 6. VARIABLE SPEED CONTROL SWITCH (fig13)

The variable speed control switch allows you to vary the speed of the router enabling the optimum speed to be selected for various size of router bits and to avoid the workpiece being burnt, this can occur especially when cross cutting. The speed increases as you turn the switch towards the higher numbers and decreases on the lower numbers (1 being slowest and 7 fastest).

**Note:** Stop the router before adjusting the variable speed.

## 7. DIRECTION OF FEED (fig15 and 16)

The router rotates in a clockwise direction, as a consequence the router must be moved left to right as you face the workpiece and anti-clockwise for outside edges.

## 8. RATE OF FEED

It is important to move the router at the correct speed through the work. The incorrect speed may produce a poor quality cut. Moving too fast can cause bit damage and a rough uneven cut.

A too slow speed can cause the wood to burn and the bit to overheat. The rate of feed will vary depending on the size of bit, material and router speed. To determine the best speed always practice on a small unseen area or a spare piece of the same material first.

## 9. USING THE ROUTER FREEHAND

The router can be used without any of the guides allowing creative freehand work, such as signwriting (Fig14). Use this feature only with a shallow depth of cut. Note: as the router rotates in a clockwise direction always move the tool in a left to right direction as you stand facing your

work (Fig15 and 16).

When cutting an outside edge move the router anti-clockwise; and clockwise to cut an inside edge.

### 10. FITTING THE PARALLEL GUIDE

Before using the parallel guide you will need to assemble the guide. Remove the two screws from the parallel guide and fit the parallel guide shaft using the screws you removed. Tighten screws securely. Insert the parallel guide shafts into the grooves in the base of the router. Adjust the guide to the required cutting width and tighten the four parallel guide locking screws (Fig17 and Fig18).

If you want to make some accurate adjustment, micro- adjustment can be made by turning the micro parallel adjustment knob.

### 11. FITTING THE TRAMMEL POINT AND MAKING CIRCULAR CUTS (fig 19 and 20)

The trammel point allows you to make circular cuts.

-Push the trammel point onto the guide shaft of the edge guide and fasten it in place with the thumb screw.

-Place the trammel point against the material.

-Set the required radius by adjusting the shaft of the edge guide and tighten the edge guide locking screws.

-Fixing router in required depth with lock lever.

-Switch on the machine

-After releasing the plunge lock lever, lower the machine slowly.

-Cut grooves, shoulders, etc at a steady rate of feed, holding the machine with both hands.

-When finished, raise the machine again.

-Switch off the machine.

### 12. USING THE GUIDE BUSH (fig 21 and 22)

Use this feature to cut out a shape from a template. This is a useful method when you want to repeat an image. Fix the guide bush to the router base using the two long screws provided.

To obtain an exact copy, the workpiece must be bigger by an amount equal to the difference between the outer edge of the guide ring and the outer edge of the cutter.

### 13. CHANGING THE ROUTER BIT

Press the spindle lock and get the spindle to latch

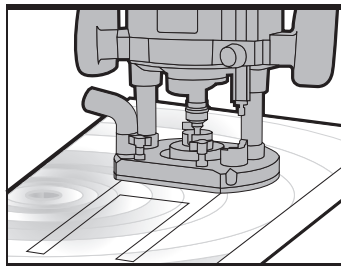


Fig 14

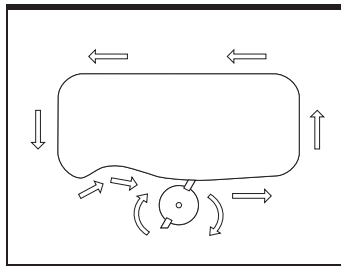


Fig 15

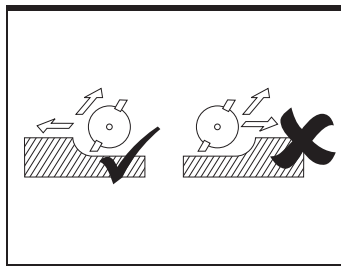


Fig 16

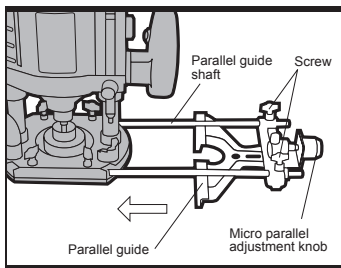
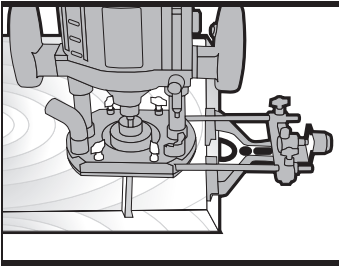
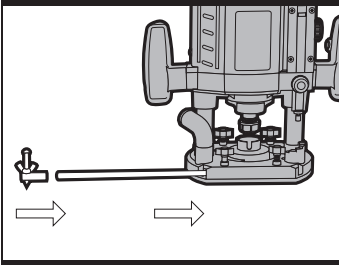


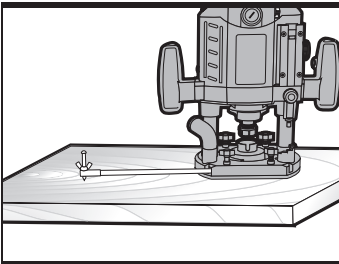
Fig 17



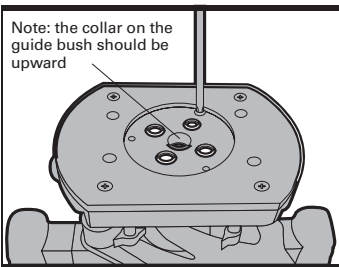
**Fig 18**



**Fig 19**



**Fig 20**



**Fig 21**


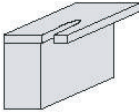

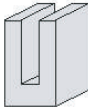

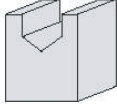

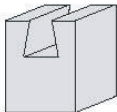


**Note:** Remove all adjustment and assembly tools before starting the machine.

## 14. ROUTER BITS

Before proceeding carry out test cut on waste timber. Only use cutter bits with a shank that matches the collet used.

**HSS** (High Speed Steel) - for softwood use.

**TCT** (Tungsten Carbide Tipped) - for use on hardwood, chipboard, plastics or aluminium. The most commonly used bits are listed below.

1		Panel Pilot Bit With Drill Point 
2		Straight Bit 
3		V Grooving Bit 
4		Dovetail Bit 
5		Cove Box Bit 

## WORKING HINTS FOR YOUR DRILL

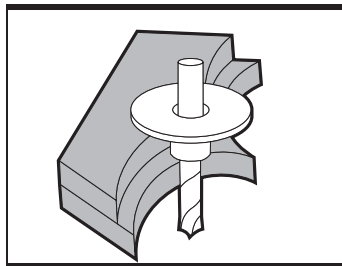
### 1 Using without a guide

This is useful for signwriting and creative work. User only shallow cuts.

## 2 Rate of feed

The cutter of your router rotates clockwise. For more efficient cutting, move your router from left to right as you stand facing the workpiece.

**Note:** When cutting outside edges, move your router anticlockwise and clockwise when cutting inside edges.



**Fig 22**



## MAINTENANCE

- 1 Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool.
- 2 Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth.
- 3 Always store your power tool in a dry place.
- 4 Keep the motor ventilation slots clean.
- 5 If you see some sparks flashing in the ventilation slots, this is normal and will not damage your power tool.
- 6 If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.

## TROUBLESHOOTING

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

## ENVIRONMENTAL 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.

## PLUG REPLACEMENT

The fuse in the main plug of your power tool should always be replaced with one of identical rating.

Check the voltage given on your power tool matches the supply voltage.

The power tool is supplied with a fitted plug, however if you should need to fit a new plug follows the instruction below.

### IMPORTANT

The wire in the mains lead are coloured in accordance with the following code:

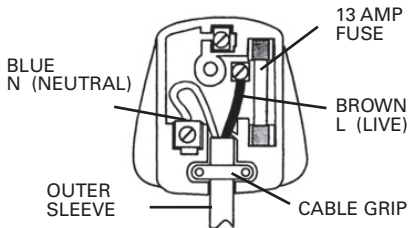
**Blue ---Neutral**

**Brown ---Live**

The wire that is coloured blue must be connected to the terminal that is marked with the letter **N**.

The wire that is coloured brown must be connected to the terminal that is marked with the letter **L**.

A 13AMP (BS1363 or BS1363/A) plug must be used and a 13 AMP fuse must be fitted.





# SCREWFIX DIRECT®

## Declaration of Conformity

We, Importer

**Screwfix Direct Ltd**

**Mead Avenue**

**Houndstone Business Park**

**Yeovil**

**BA 22 8RT**

Declare that the product

**1/2" Router**

**ERB210C**

Complies with the essential health and safety requirements of the following directives:

**89/336 EEC, 93/68 EEC** – EMC Directive.

**73/23 EEC, 93/68 EEC** – Low Voltage Directive

**98/37 EC** – Machinery Directive.

Standards and technical specifications referred to:

**EN 60745-1:2003/+A1:2003**

**EN 60745-2-17:2003**

**EN 55014-1:2000/+A1:2001/+A2:2002**

**EN 55014-2:1997/+A1:2001**

**EN 61000-3-2:2000**

**EN 61000-3-3:1995/+A1:2001**

### Authorised Signatory

Date: 03/15/05

Signature: *P. C. Harries*

Name: Peter Harries  
Screwfix Direct Ltd  
Quality Manager

2005



(EC conformity mark)

# 1/2" ROUTER



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