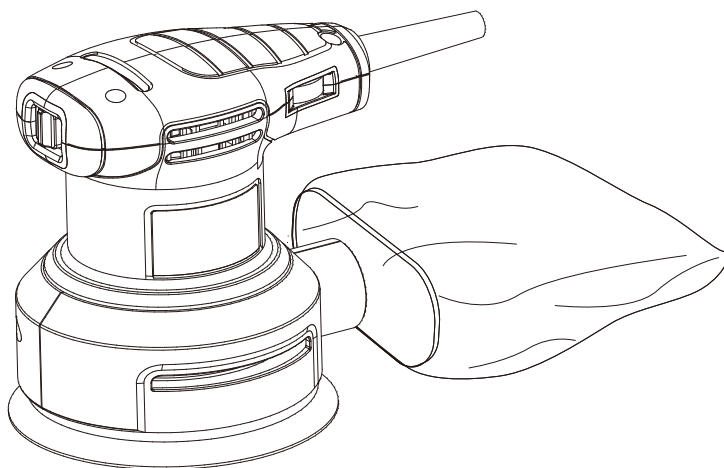




EN

TITAN



TTB888SDR



WARNING: Read the instructions before using the product!

V11121 / BX220IM

Let's get started...

These instructions are for your safety. Please read through them thoroughly before use and retain them for future reference.



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Safety warnings

General power tool safety warnings



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.*

Getting started...

Safety warnings

- 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, 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.*
 - 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.*

Safety warnings

- c) **Disconnect the plug from the power source and/ or remove the battery pack, if detachable, 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 and accessories. 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 tools serviced by a qualified repair person using only identical replacement parts.** *This will ensure that safety of the power tool is maintained.*

Safety warnings for sander

- a) Take special care to protect yourself and people around against dusts, including the following:
- All persons entering the work area must wear an appropriate dust mask specially designed for protection against harmful / toxic dusts, in addition to using the dust extraction facility and keeping work area well ventilated.
 - Children and pregnant women must not enter the work area.
 - Do not eat, drink or smoke in the work area.
 - Any pre 1960 building may have paint containing lead on wood or metal surfaces. If you suspect workpiece contains lead seek professional advice.
- b) Some wood and wood type products especially MDF (Medium Density Fibreboard) can produce dust that can be hazardous to your health. We recommend the use of a dust mask with replaceable filters when using this product in addition to using the dust extraction facility.
- c) The power tool shall not be wet or applied in wet environment.
- d) The voltage of the power source must agree with the voltage specified on the rating label of the machine.
- e) 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.

Safety warnings

- f) Double check that the accessories and attachments are properly fixed. One minute testing running in no-load condition will be helpful to identify any problems.
- g) Secure the workpiece. A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
- h) Keep the handles dry to ensure safe control. Grip the product securely so you have full control at all times.
- i) 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.
- j) 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.
- k) Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.
- l) Always keep the power cord behind the power tool.



WARNING! Contact with or inhalation of harmful / toxic dusts arising from sanding lead-based painted surfaces, woods and metals can endanger the health of operator and bystanders!

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

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?

- a) Reduce the amount of cutting by using the best sizes of building products.

Safety warnings

- b) Use a less powerful tool e.g. a block cutter instead of angle grinder.
- c) 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, drilling 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.

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 emission value has been measured in accordance EN 62841-1 and EN 62841-2-4 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.

Safety warnings



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:

- 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 gripping handles.
- 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.

Getting started...

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:

- a) Only use the product as intended by its design and these instructions.
- b) Ensure that the product is in good condition and well maintained.

Safety warnings

- c) Use correct attachments for the product and ensure they are in good condition.
- d) Keep tight grip on the handles/grip surface.
- e) Maintain this product in accordance with these instructions and keep it well lubricated (where appropriate).
- f) Plan your work schedule to spread any high vibration tool use across a longer period of time.
- g) 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.

Emergency

Familiarise yourself with the use of this product by means of this instruction manual. Memorise the safety directions and follow them to the letter. This will help to prevent risks and hazards.

- a) **Always be alert when using this product, so that you can recognise and handle risks early.** *Fast intervention can prevent serious injury and damage to property.*
- b) **Switch off and disconnect from the power supply if there are malfunctions.** *Have the product checked by a qualified professional and repaired, if necessary, before you operate it again.*



Residual risks

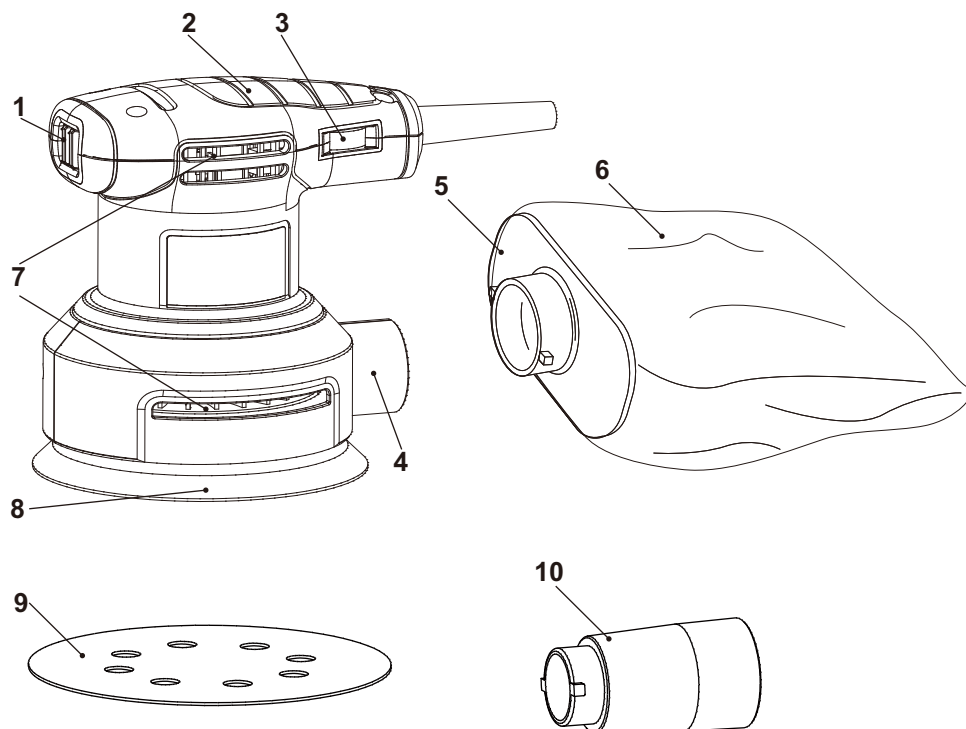
Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this product:

- a) Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
- b) Injuries and damage to property due to broken cutting attachments or the sudden impact of hidden objects during use.
- c) 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!

Your product



- | | |
|------------------------------|-----------------------------|
| 1. On / off switch | 6. Dust collection bag |
| 2. Main handle | 7. Air vents |
| 3. Speed dial | 8. Base plate |
| 4. Dust collection outlet | 9. Sanding paper(P80) |
| 5. Dust extraction connector | 10. Dust extraction adaptor |




NOTE: Parts marked with * are not shown in this overview. Please refer to the respective part in the instruction manual.



Technical specifications

General

- > **Rated voltage, frequency** : 220-240 V~, 50 Hz
- > **Rated input power** : 300W
- > **Rated no load speed n_0** : 4000-13000 min⁻¹
- > **Protection class** : II 
- > **Sanding paper fixing** : hook&loop
- > **Weight** : approx. 1.6 kg
- > **Base plate size** : approx. Ø 125 mm

Sound values

- > **Sound pressure level L_{pA}** : 78.7 dB (A)
- > **Sound power level L_{WA}** : 89.7 dB (A)
- > **Uncertainty K_{pA} , K_{WA}** : 3 dB (A)

Hand arm vibration values

- > **Main handle $a_{h,W}$** : 8.45 m/s²
- > **Uncertainty K** : 1.5 m/s²

The sound values have been determined according to noise test code given in EN 62841-1 and EN 62841-2-4, using the basic standards EN ISO 3744 and EN ISO 11203.

The sound intensity level for the operator may exceed 80 dB(A) and ear protection measures are necessary.

The declared vibration total values and the declared noise emission values have been measured in accordance with a standard test method (according to EN 62841-1 and EN 62841-2-4) and may be used for comparing one product with another; they may also be used in a preliminary assessment of exposure.



WARNING! The vibration and noise emissions during actual use of the power tool can differ from the declared values depending on the ways in which the tool is used especially what kind of workpiece is processed; and need to 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).

Rating label explanation

TTB888SDR = Model number

TT = TITAN



B = 220-240V ~

888 = Serial Number

SDR = Orbit Sander

Symbols

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

V ~	Volt, (alternating voltage)	Hz	Hertz
W	Watt	/min or min ⁻¹	Per minute
g	Gram	kg	Kilogram
mm	Millimetre	m	Metre
dB(A)	Decibel (A-rated)	m/s ²	Metres per second squared
	Lock / to tighten or secure.		Unlock / to loosen.



Note / Remark.



Caution / Warning.

xxWyy

Manufacturing date code; year of manufacturing (20xx) and week of manufacturing (Wyy)



Read the instruction manual.



Wear hearing protection.



Wear eye protection.



Wear a dust mask.



Wear protective gloves.



Wear protective, slip-resistant footwear.



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



Open flames in the work area, around the product and in the vicinity of flammable materials are prohibited!



Do not smoke in the work area, around the product and in the vicinity of flammable materials!



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.



UK Conformity Assessed.



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.

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 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!

You will need

(items not supplied)

suitable personal protective equipment

(items supplied)

Sanding paper (9)



NOTE: The accessories required depend on the intended application. Ask your dealer for advice.

Getting started...

Setup



WARNING! The product must be fully assembled before operation! Do not use a product that is only partly assembled or assembled with damaged parts!



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 the power supply before it is completely assembled!

Sanding paper

Choosing the right sanding paper

Sanding paper is available with different grain sizes (grit) and for different materials. The grain size is indicated with a number on the reverse of the sanding paper, the higher the number, the finer the grain size.

Grain size	Class	Application
< 80	Coarse	Removal of paint and varnish, preparation of rough surfaces.
80-120	Medium	For face sanding and smoothing small irregularities.
>180	Fine	Finishing, cleaning plaster and water stain from wood.

1. Only use suitable sanding papers in terms of application and size. Do not use papers that are bigger than the base plate of the product.
2. Replace worn or damaged sanding papers immediately.
3. Start with a coarse sanding paper and finish with a fine-grained one to achieve a satisfactory result.
4. Do not use the same sanding paper on different materials, e. g. do not use the sanding paper that has been used for sanding metal to sand wood. Small metal particles remaining in the sanding paper will lead to scratches.
5. We recommend using sanding papers with a hole pattern for sufficient dust extraction.



Changing/attaching sanding paper with hook-and-loop system

1. With the hook-and-loop system, sanding paper is simply removed by pulling off.
2. Align the hole pattern of the new sanding paper (9) with the one in the base plate (8) to ensure efficient dust extraction if available. (Fig.1)
3. With the hook-and-loop system, sanding paper is simply pressed on the base plate.

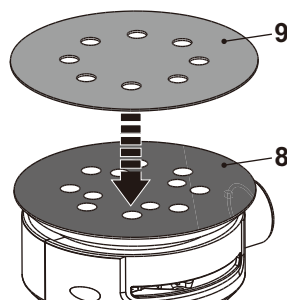


Fig. 1

Dust extraction



WARNING! Always attach a dust extraction device when using this product in order to keep the working area clean! Wear a dust mask when operating this product! Dust can be harmful to health! Especially dust and chips of wood that has been treated, e. g. with wood preservative or a stain!



WARNING! Do not use the dust bag when sanding metal! The hot metal particles could cause residual wood dust or the bag itself to catch fire!

The product can be used with the dust collection bag (6) or an external dust extraction device.

Dust collection bag

1. Attach the dust collection bag (6) to the dust extraction outlet (4). Fig. 2
2. Then rotate the dust collection connector (5) clockwise to a fixed position.
3. Fig. 3
4. To remove the dust collection bag (6), rotate the dust collection connector (5) counterclockwise Fig. 3. and pull the bag off Fig. 3. .
5. To empty the dust collection bag, remove the bag from the dust collection connector (5).

Emptying

1. Remove the dust bag assembly from the product.
2. Remove the dust bag (6) from the connector (5) Fig.4 by gently pulling on the elasticated collar and empty dust into a suitable rubbish bag.
3. Re-fit the dust bag(6) to the connector(5), ensuring that the elasticated collar is correctly locate Fig.4 and re-attach it to the product.

Dust extraction

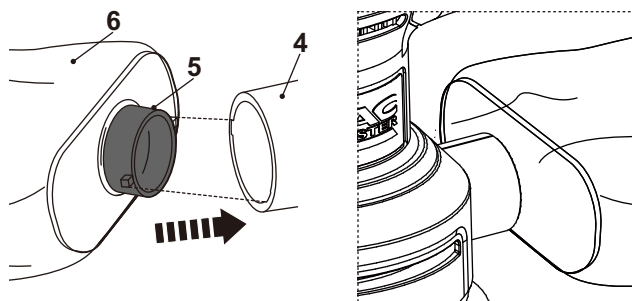


Fig. 2

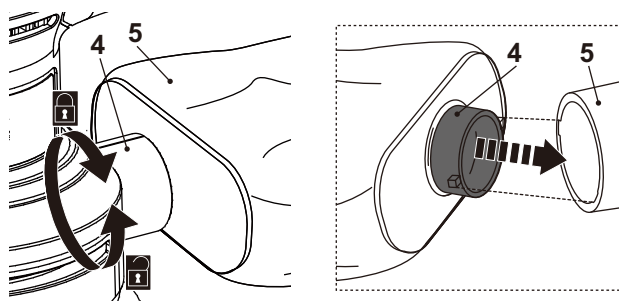


Fig. 3

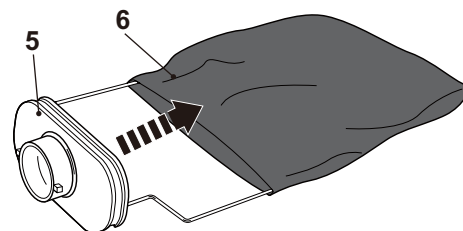


Fig. 4

External dust extraction device

1. Attach an external dust extraction device, e.g. a suitable vacuum cleaner attachment ($\varnothing 35\text{mm}$), to the dust extraction adaptor (10) and then attach to dust extraction outlet (4). Then rotate the dust collection adaptor clockwise (10) to a fixed position. Fig. 5

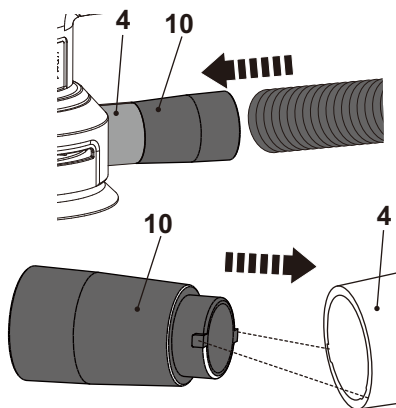


Fig. 5

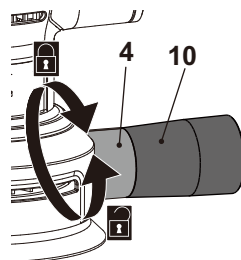


Fig. 6

2. To remove the dust extraction adaptor, rotate the dust collection adaptor (10) counterclockwise Fig. 6 and pull the dust extraction adaptor off. Fig. 7

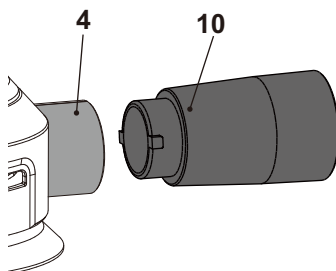


Fig. 7

Connection to power supply

1. Make sure the on/off switch (1) is in its off position.
2. Connect the plug with a suitable socket.



WARNING! Check the voltage! The voltage must comply with the information on the rating label!

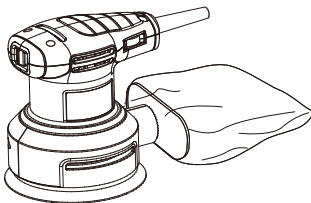
3. Your product is now ready to be used.



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Intended use

This Random Orbit Sander MAC MROS300 is designated with a rated input of 300 Watts.

This product is intended for dry sanding of wood, plastic, metal, fillers and coated surfaces. This product should not be used on other materials or those harmful to health. It is to be used for dry operation only without water or other cooling liquids. For safety reasons it is essential to read the entire instruction manual before first operation and to observe all the instructions therein.

This product is intended for private domestic use only, not for any commercial trade use. It must not be used for any purposes other than those described.

Speed dial



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



1. Limit the maximum speed using the speed dial (3).
2. Turn the speed dial (3) left (as seen from the operators position) to increase the maximum speed (Fig. 8). A higher setting is suitable for sanding with fine-grained sanding belts to achieve a fine finishing.
3. Turn the speed dial (3) right (as seen from the operators position) to decrease the maximum speed (Fig. 9). A lower setting is suitable for sanding with coarse-grained sanding belts to remove paints and varnishes.

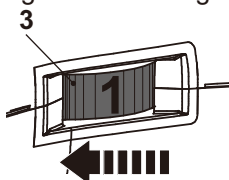


Fig. 8

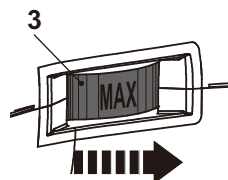


Fig. 9

Switching on/off

Make sure that you are able to press the On/Off switch without releasing the handle(2).

In more detail...

Switching on/off

1. To switch on the power tool, slide the on/off switch (1) fig.10 to the left so that "I" appears on the switch.
2. To switch off the power tool, slide the on/off switch (1) fig.11 to the right so that "0" appears on the switch.

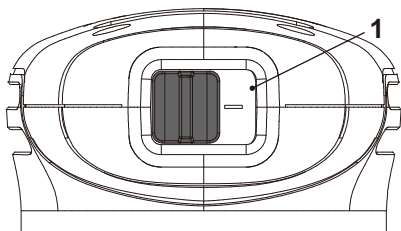


Fig. 10

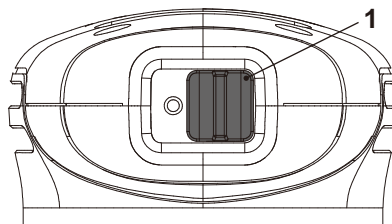


Fig. 11

General operation

1. 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.
2. Double check that the accessories and attachments are properly fixed.
3. Always hold the product on its front and rear handles. Keep the front and rear handles dry to ensure safe support.
4. 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.
5. 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.
6. Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.



Sanding



WARNING! During operation fine dust will be generated!

Some dusts are highly flammable and explosive! Do not smoke during operation, keep heat sources and open flames out of the working area! Always use a dust extraction system and wear a dust mask to protect yourself against hazards resulting from fine dust!



WARNING! Sound level may exceed 80 dB (A). Therefore always wear ear defenders when sanding.

1. Ensure the workpiece is free of obstacles like nails or screws before operation. Remove them if required. Where possible, secure smaller workpieces to prevent them from moving under the product.
2. Hold the product with one hand on the main handle (2).
3. Switch the product on and wait until it runs at full speed before placing it on the workpiece.
4. Move the product slowly over the surface of the workpiece sand with the grain, in parallel overlapping strokes.
5. To remove paint or smooth very rough wood, sand across the grain at 45° in two directions, and then finish parallel with the grain.
6. Only apply as much pressure as necessary to keep the product flat on the workpiece. Higher pressure will not increase but lower the performance of the product and leads to uneven results.
7. Keep the product moving at all times, do not stop in one position to avoid grooves.
8. Lift the product from the workpiece before switching it off.

After use

1. Switch the product off, disconnect it from the power supply and let it cool down.
2. Check, clean and store the product as described below.

In more detail...

The golden rules for care



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

1. Keep the product clean. Remove debris from it after each use and before storage.
2. Regular and proper cleaning will help ensure safe use and prolong the life of the product.
3. Inspect the product before each use for worn and damaged parts. Do not operate it if you find broken and worn parts.



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

General Cleaning

1. Clean the product with a dry cloth. Use a brush for areas that are hard to reach.
2. In particular clean the air vents (7) after every use with a cloth and brush.
3. Remove stubborn dust with high pressure air (max. 3 bar).



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

4. Check for worn or damaged parts. Replace worn parts as necessary or contact an authorised service centre for repair before using the product again.

Maintenance

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. Observe the technical requirements.



Power cord

If the supply cord is damaged, it must be replaced by a specially prepared cord available through the service organization.

UK plug (for UK only)

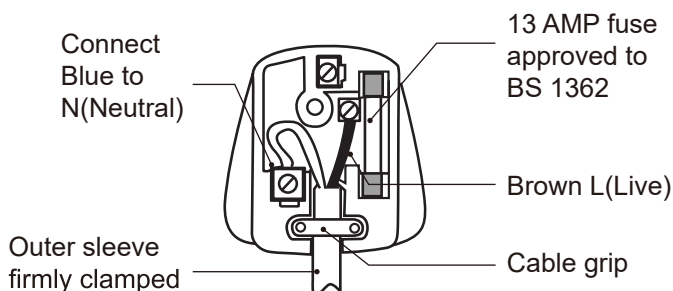
If you need to replace the fitted plug, then follow the instructions below.

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

Blue – Neutral

Brown – Live

As the colours of the 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 correctly rated 13A BS 1362 fuse. If in doubt, consult a qualified electrician.



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.

In more detail...

Repair

This product does not contain any parts that can be repaired by the consumer. Contact an authorised service centre or a similarly qualified person to have it checked and repaired.

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.

Transportation

1. Switch the product off and disconnect it from the power supply.
2. Attach transportation guards, if applicable.
3. Always carry the product by its main handle (2).
4. Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
5. Secure the product to prevent it from slipping or falling over.



Troubleshooting

Suspected malfunctions are often due to causes that the users can fix themselves. Therefore check the product using this section. In most cases the problem can be solved quickly.



WARNING! Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorised service centre or a similarly qualified specialist if you cannot solve the problem yourself!

Problem	Possible cause	Solution
1. Product does not start	1.1. Not connected to power supply 1.2. Power cord or plug is defective 1.3. Other electrical defect to the product	1.1. Connect to power supply 1.2. Check by a specialist electrician 1.3. Check by a specialist electrician
2. Product does not reach full power	2.1. Extension cord not suitable for operation with this product 2.2. Power source (e. g. generator) has too low voltage 2.3. Air vents are blocked	2.1. Use a proper extension cord 2.2. Connect to another power source 2.3. Clean the air vents
3. Unsatisfactory result	3.1. Saw blade is dull/damaged 3.2. Saw blade not suitable for workpiece material	3.1. Replace with new one 3.2. Use proper saw blade
4. Excessive vibration /noise or exhaust	4.1. Saw blade is dull/damaged 4.2. Bolts/nuts are loose	4.1. Replace with a new one 4.2. Tighten bolts/nuts

In more detail...

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.

For further information visit www.recycle-more.co.uk.

The product comes in a package that protects it against damage during shipping. Keep the package until you are sure that all parts have been delivered and the product is working properly. Recycle the package afterwards.



Guarantee

We take special care to select high quality materials and use manufacturing techniques that allow us to create products incorporating design and durability. This product (TITIAN Orbit Sander) has a manufacturer's guarantee of 2 years against manufacturing defects, from the date of purchase (if bought in store) or date of delivery (if bought online), at no additional cost.

To make a claim under this guarantee, you must present your proof of purchase (such as a sales receipt, purchase invoice or other evidence admissible under applicable law), please keep your proof of purchase in a safe place. For this guarantee to apply, the product you purchased must be new, it will not apply to second hand or display products. Unless stated otherwise by applicable law, any replacement product issued under this guarantee will only be guaranteed until expiry of the original guarantee period.

This guarantee covers product failures and malfunctions provided the product was used for the purpose for which it is intended and subject to installation, cleaning, care and maintenance in accordance with the information contained in these terms and conditions, in the user manual and standard practice, provided that standard practice does not conflict with the user manual.

This guarantee does not cover defects and damage caused by normal wear and tear or damage that could be the result of improper use, faulty installation or assembly, neglect, accident, misuse, or modification of the product. Unless stated otherwise by applicable law, this guarantee will not cover, in any case, ancillary costs (shipping, movement, costs of uninstalling and reinstalling, labour etc), or direct and indirect damage.

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

If the product is defective, we will, within a reasonable time, repair or replace it.

Rights under this guarantee are enforceable in the country in which you purchased this product. Guarantee related queries should be addressed to the store you purchased this product from.

The guarantee is in addition to and does not affect your statutory rights.

In more detail...

**(UK) DECLARATION OF CONFORMITY****Product**

- Orbit Sander
- TTB888SDR
- Serial number: from 000001 to 999999

Name and address of the manufacturer or his authorised representative:

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

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

Object of the declaration

Product	Model	EAN
Orbit Sander	TTB888SDR	5059340252322

The object of the declaration described above is in conformity with the relevant legislation:

Supply of Machinery (Safety) Regulations 2008 as amended
Electromagnetic Compatibility Regulations 2016 as amended
The Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 as amended

References to the relevant designated standards used or references to the other technical specifications in relation to which conformity is declared:

EN 62841-1:2015
EN 62841-2-4:2014
BS EN 55014-1:2017+A11
BS EN 55014-2:1997+A2
BS EN 55014-2:2015
BS EN 61000-3-2:2014
BS EN IEC 61000-3-2:2019
BS EN 61000-3-3:2013
BS EN 61000-3-3:2013+A1

Authorised signatory and technical file holder:

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

David Awe
Group Quality Director

On: 28/02/2022



(EN) EU DECLARATION OF CONFORMITY
(FR) DÉCLARATION UE DE CONFORMITÉ
(ES) DECLARACIÓN UE DE CONFORMIDAD
(PT) DECLARAÇÃO DE CONFORMIDADE UE

Product/ Produit/ Producto/ Produto

- Orbit Sander/Ponceuse excentrique/Lijadora excéntrica/Lixadora excéntrica
- TTB888SDR
- SN: 000001-999999

Name and address of the manufacturer or his authorised representative:

Nom et adresse du fabricant ou de son mandataire:

Nombre y dirección del fabricante o de su representante autorizado:

Nome e endereço do fabricante ou do respetivo mandatário:

Kingfisher International Products B.V.,
Rapenburgerstraat 175E,
1011 VM Amsterdam,
The Netherlands

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

La présente déclaration de conformité est établie sous la seule responsabilité du fabricant.

La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante.

A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante.

Object of the declaration/Objet de la declaration/Objeto de la declaración/Objeto da declaração

Product/Produit/Producto/ Produto

Model/Modèle/Modelo/Modelo

EAN

Orbit Sander
Ponceuse excentrique
Lijadora excéntrica
Lixadora excéntrica

TTB888SDR

5059340252322 (UK)
5059340252339 (EU)

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

L'objet de la déclaration décrit ci-dessus est conforme à la législation d'harmonisation de l'Union applicable:

El objeto de la declaración descrita anteriormente es conforme con la legislación de armonización pertinente de la Unión:

O objeto da declaração acima descrito está em conformidade com a legislação de harmonização da União aplicável:

In more detail...

2006/42/EC as amended Machinery Directive
 2014/30/EU as amended Directive Electromagnetic compatibility
 2011/65/EU as amended Directive Restriction of the use of certain hazardous substances in electrical and electronic equipment

Directive 2006/42/CE relative aux machines
 2014/30 / UE telle que modifiée Directive Compatibilité électromagnétique
 Directive 2011/65/UE relative à la limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques

Directiva sobre maquinaria modificada 2006/42/CE
 2014/30/UE modificada Directiva Compatibilidad electromagnética
 2011/65/UE modificada Directiva Restricción del uso de determinadas sustancias peligrosas en equipos eléctricos y electrónicos

2006/42/CE como diretiva de máquinas alteradas
 2014/30/UE como alteração da compatibilidade eletromagnética
 2011/65/UE como restrição diretiva alterada da utilização de certas substâncias perigosas em equipamentos elétricos e eletrônicos

References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

Références des normes harmonisées pertinentes appliquées, y compris la date de celles-ci, ou des autres specifications techniques, y compris la date de celles-ci, par rapport auxquelles la conformité est déclarée:
 Referencias a las normas armonizadas pertinentes utilizadas, incluidas las fechas de las normas, o referencias a las otras especificaciones técnicas, incluidas las fechas de las especificaciones, respecto a las cuales se declara la conformidad:

Referências às normas harmonizadas aplicáveis utilizadas, incluindo a data da norma, ou às outras especificações técnicas, incluindo a data da especificação, em relação às quais é declarada a conformidade:

EN 62841-1:2015
 EN 62841-2-4:2014
 EN 55014-1:2017+A11
 EN 55014-2:2015
 EN IEC 61000-3-2:2019
 EN 61000-3-3:2013+A1

Authorised signatory and technical file holder/signataire et responsable de la documentation technique
 autorisé/firmante autorizado y titular del expediente técnico/ signatário autorizado e detentor da ficha técnica
 Kingfisher International Products B.V.,
 Rapenburgerstraat 175E, 1011 VM Amsterdam, The Netherlands



David Awe
 Group Quality Director

28/02/2022



TITAN

Manufacturer, Fabricant, Producent, Producător, Fabricante:

UK Manufacturer:

Kingfisher International Products Limited
3 Sheldon Square, London, W2 6PX
United Kingdom
www.kingfisher.com/products

EU Manufacturer:

Kingfisher International Products B.V.
Rapenburgerstraat 175E
1011 VM Amsterdam
The Netherlands
www.kingfisher.com/products

EN

www.screwfix.com
www.screwfix.ie

To view instruction manuals online, visit
www.kingfisher.com/products

FR

www.bricodepot.fr

Pour consulter les manuels d'instructions en ligne,
rendez-vous sur le site www.kingfisher.com/products

ES

www.bricodepot.es

Para consultar los manuales de instrucciones en línea,
visite www.kingfisher.com/products

PT

www.bricodepot.pt

Para consultar manuais de instruções online, visite
www.kingfisher.com/products