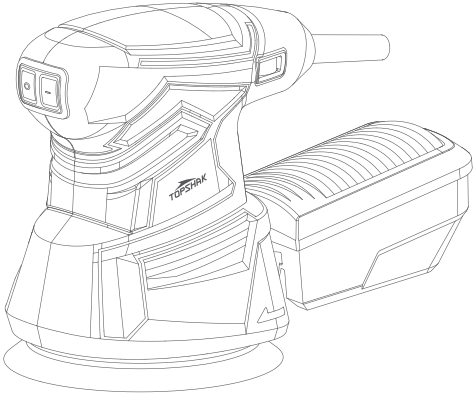
User Manual

TS-SD5



Leading new generation tool

Contents

Safety Warnings

General Power Tool Safety Warnings

WARN ING Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.
The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety
1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety
4. 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.
5. 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.
6. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
7. 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.
8. 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.
9. If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of an GFCI reduces the risk of electric shock.

Personal Safety
10. 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.
11. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

12. 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.
13. 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.
14. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
15. 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.
16. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

Power tool use and care
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
23. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

SERVICE
24. 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.
25. Follow instruction for lubricating and changing accessories.
26. Keep handles dry, clean and free from oil and grease.

USE PROPER EXTENSION CORD.
Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Minimum Gauge for Cord Sets						
Ampere Rating		Volts	Total Length of Cord in Feet (meters)			
		120 V	25 (7.6)	50 (15.2)	100 (30.5)	150 (45.7)
		240V	50(15.2)	100 (30.5)	200 (61.0)	300 (91.4)
More Than	Not more Than		AWG			
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

SPECIFIC SAFETY RULES

DO NOT let comfort or familiarity with product
(gained from repeated use) replace strict adherence to sander safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

1. Hold power tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
2. Always use safety glasses or goggles. Ordinary eye or sun glasses are NOT safety glasses.
3. Hold the tool firmly.
4. Do not leave the tool running. Operate the tool only when hand-held.
5.This tool has not been waterproofed, so do not use water on the workpiece surface.
6. Ventilate your work area adequately when you perform sanding

operations.
7. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.
8. Use of this tool to sand some products, paints and wood could expose user to dust containing hazardous substances. Use appropriate respiratory protection.
9. Be sure that there are no cracks or breakage on the pad before use. Cracks or breakage may cause a personal injury.

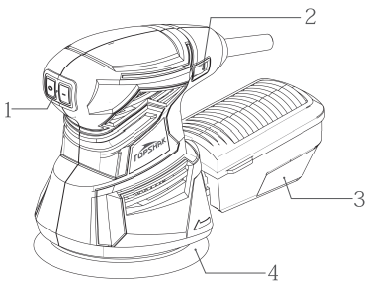
SAVE THESE INSTRUCTIONS.

WARNING:
MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.
1. Speed adjusting dial
The followings show the symbols used for tool.

Symbols

V	volts
A	amperes
Hz	hertz
.	alternating current
no	no load speed
⧈	Class II Construction
/min	orbits per minute

1.On/Off switch
2.Speed adjusting dial
3.Dust Collection Box
4.Sanding plate



SPECIFICATIONS

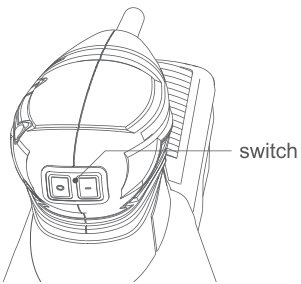
Model	TS-SD5
Voltage	120V~ 60Hz
Power	2.6A
No-load speed	6000-13000rpm
Sanding Pad Size	5inch
Net weight	1.4 kg (3.1 lbs)
Base size:	125mm velcro base
Length of cable	2m with VDE plug;
Standard accessories	dust box sander paper x 20pcs,

FUNCTIONAL DESCRIPTION

CAUTION:
Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

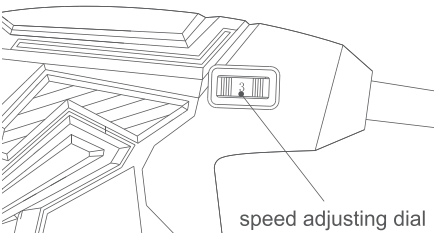
Switch action

1. Switch



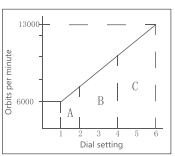
CAUTION:
Before plugging in the tool, always be sure that the tool is switched off.
To start the tool, press the "I (ON)'* side of the switch. To stop, press the "O (OFF)" side of the switch.

Speed adjusting dial



The tool speed can be infinitely adjusted between 6,000 and 13,000 orbit per minute by turning the adjusting dial. Higher speed is obtained when the dial is turned in the direction of number 5; lower speed is obtained when it is turned in the direction of number 1.
Refer to the figure for the relationship between the number settings on the adjusting dial and the kind of work.

A range: For polishing
B range: For finish sanding
C range: For regular sanding



NOTE:
• The figure shows standard applications. They may differ under certain conditions.

ASSEMBLE

CAUTION:
• Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

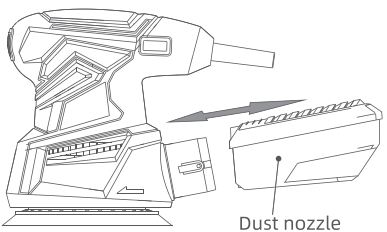
Installing or removing abrasive disc

To install the abrasive disc, first remove all dirt or foreign matter from the pad. Then peel off the backing paper from the abrasive disc and attach the abrasive disc to the pad. Be careful to align the holes in the abrasive disc with those in the pad.

CAUTION:
• If you peel off the abrasive disc from the pad, its adhesion will become poor. Never attempt to stick it onto the pad for further use.

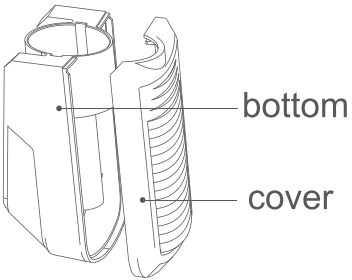
Installing dust box

1. Dust nozzle



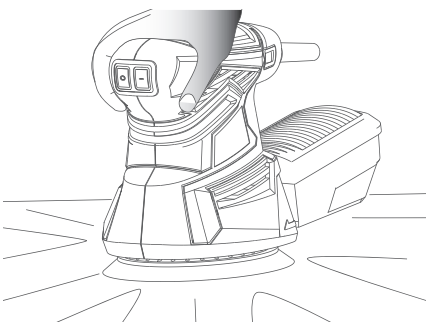
Install the dust box on the tool so that the cover of the dust box will be upside.

Emptying dust box



When the dust box is about half full, switch off and unplug the tool. Remove the dust box from the tool. Then remove the dust cover from the dust box. Empty the dust bottom by tapping it lightly.
After emptying the dust box, install the dust cover on the dust box in place. Then install the dust box on the tool as described in "Installing dust box".

OPERATION



CAUTION:
• Never switch on the tool when it is in contact with the workpiece, it may cause an injury to operator.
• Never run the tool without the abrasive disc. You may seriously damage the pad.
• Never force the tool. Excessive pressure may decrease the sanding

efficiency, damage the abrasive disc or shorten tool life.
• Using the tool with the pad edge contacting the workpiece may damage the pad.
Hold the tool firmly. Turn the tool on and wait until it attains full speed. Then gently place the tool on the workpiece surface. Keep the pad flush with the workpiece and apply slight pressure on the tool.

CAUTION:
• The sanding pad rotates clockwise during the loaded operation, but it may rotate counterclockwise during the no-load operation.

MAINTENANCE

CAUTION:
• Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

Protecting the environment

Separate collection. This product must not be disposed of with normal household waste.

Separate collection of used products and packaging allows materials to be recycled and used again.
Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.
Local regulations may provide for separate collection of electrical products from the house□ hold, at municipal waste sites or by the retailer when you purchase a new product.

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