



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for MAKITA SP6000K. You'll find the answers to all your questions on the MAKITA SP6000K in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual MAKITA SP6000K
User guide MAKITA SP6000K
Operating instructions MAKITA SP6000K
Instructions for use MAKITA SP6000K
Instruction manual MAKITA SP6000K



[You're reading an excerpt. Click here to read official MAKITA SP6000K user guide](http://yourpdfguides.com/dref/3263077)
<http://yourpdfguides.com/dref/3263077>

Manual abstract:

1 ENGLISH SPECIFICATIONS Model Blade diameter at 90° Max. @@@@Be sure that you understand their meaning before use. Read instruction manual. DOUBLE INSULATION Uncertainty: 3 dB(A) Wear ear protection. @@@@In observance of European Directive 2002/96/EC on waste electric and electronic equipment and its implementation in accordance with national law, electric equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. ENE067-1 Model; SP6000 We declare under our sole responsibility that this product is in compliance with the following standards of standardized documents; EN60745, EN55014, EN61000 in accordance with Council Directives, 2004/108/EC, 98/37/EC. CE2006 000230 Intended use The tool is specially intended for performing plunge cuts. In addition, lengthways and crossways straight cuts and mitre cuts with angles in wood can also be performed while in firm contact with the workpiece. ENF002-1 Power supply The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated in accordance with European Standard and can, therefore, also be used from sockets without earth wire.

ENG005-2 Tomoyasu Kato Director Responsible Manufacturer: Makita Corporation 3-11-8, Sumiyoshi-cho, Anjo, Aichi, JAPAN Authorized Representative in Europe: Makita International Europe Ltd. Michigan Drive, Tongwell, Milton Keynes, Bucks MK15 8JD, ENGLAND GEA001-3 GENERAL SAFETY RULES WARNING! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool. For European countries only Noise and Vibration The typical A-weighted noise levels are sound pressure level: 89: dB (A) sound power level: 100 dB (A) 2 SAVE THESE INSTRUCTIONS.

Work area safety 1. Keep work area clean and well lit. Cluttered and 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. Personal Safety 9. 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. 10. 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. 11. 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. 12. 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. 13. Do not overreach. Keep proper footing and 3 balance at all times. This enables better control of the power tool in unexpected situations. 14. 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. 15. 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. Power tool use and care 16. 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. 17. 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. 18. 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. 19. 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. 20. 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. 21. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control. 22. 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 those intended could result in a hazardous situation. SERVICE 23. 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. 24. Follow instruction for lubricating and 25. changing accessories. Keep handles dry, clean and free from oil and grease. GEB031-1 8. SPECIFIC SAFETY RULES DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to circular saw safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

Danger: 1. Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing.



[You're reading an excerpt. Click here to read official MAKITA SP6000K user guide](http://yourpdfguides.com/dref/3263077)
<http://yourpdfguides.com/dref/3263077>

If both hands are holding the saw, they cannot be cut by the blade. 2.

Do not reach underneath the workpiece or tool base. The guard cannot protect you from the blade below the workpiece. Do not attempt to remove cut material when blade is moving. CAUTION: Blades coast after turn off. Wait until blade stops before grasping cut material. 3. Adjust the cutting depth to the thickness of the workpiece. Less than a full tooth of the blade teeth should be visible below the workpiece. 4. Never hold piece being cut in your hands or across your leg.

Secure the workpiece to stable platform. It is important to support the work properly to minimize body exposure, blade binding, or loss of control. 9. A typical illustration of proper hand support, workpiece support, and supply cord routing (if applicable). 000157 5. 6. 7. Hold power tool 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 also make exposed metal parts of the power tool "live" and shock the operator. When ripping always use a rip fence or straight edge guide.

This improves the accuracy cut and reduces the chance of blade binding. Always use blades with correct size and shape 4 (diamond versus round) of arbour holes. Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control. Never use damaged or incorrect blade washers or bolt. The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.

Causes and Operator Prevention of Kickback: - kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator; - when the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator; - if the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator. Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below. · Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade. Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.

· When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur. Investigate and take corrective actions to eliminate the cause of blade binding. · When restarting a saw in the workpiece, centre the saw blade in the kerf and check that saw teeth are not engaged into the material. If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted. · Support large panels to minimise the risk of blade pinching and kickback. Large panels tend to sag under their own weight. @@To minimize the risk of blade pinching and kickback. @@@@Keep blade sharp and clean. @@@@Never use gasoline.

@@@@@The protruding blade may cut objects that can cause kickback. ALWAYS hold the tool firmly with both hands. NEVER place your hand, leg or any part of your body unpass of the 2 to 3 mm first cut and then make another pass of usual cut. @@This is convenient for avoiding splinter on the workpiece.

@@Loosen the clamping screws in front and back. @@@@ 1. Lever 1. @@Clamping screws 2. Tool base 1 1 2 007657 007661 1 1.

@@@@@Base 2.

@@@Refer to the table to select the proper speed for the workpiece to be cut. However, the appropriate speed may differ with the type or thickness of the workpiece. In general, higher speeds will allow you to cut workpieces faster but the service life of the blade will be reduced. Number 007671 min -1 2,000 2,200 3,100 4,000 4,900 5,200 1 2 3 4 5 6 007677 When using the tool without guide rail (accessory) For straight cuts, align the A position on the front of the base with your cutting line. For 45° bevel cuts, align the B position with it.

When using the tool with guide rail (accessory) For both straight cuts and 45° bevel cuts, always align the A position on the front of the base with your cutting line. Switch action 1 2 1. Lock-off button 2. Switch trigger 007664 CAUTION: Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released. To prevent the switch trigger from being accidentally pulled, a lock-off button is provided.

To start the tool, push in the lock-off button and pull the switch trigger. Release the switch trigger to stop. · Speed adjusting dial 1. Speed adjusting dial CAUTION: The speed adjusting dial can be turned only as far as 6 and back to 1. Do not force it past 6 or 1, or the speed adjusting function may no longer work. · The speed adjusting dial is not for using low speed rated saw blades but for obtaining a speed which is suitable to material of workpiece. Use only saw blades which are rated for at least 5,200 min-1. The tools equipped with electronic function are easy to operate because of the following features. Overload protector When the tool is overloaded and current flows above a certain level, the tool automatically stops to protect motor. Constant speed control Electronic speed control for obtaining constant speed.

Possible to get fine finish, because the rotating speed is kept constant even under load condition. Soft start feature Soft start because of suppressed starting shock. · ASSEMBLY · 1 CAUTION: Always be sure that the tool is switched off and unplugged before carrying out any work on the tool. 007663 8 Hex wrench storage 1. Hex wrench 1 with scale plate. Make sure that the lock pin fits in the groove. Press the shaft lock fully so that the blade cannot revolve and use the wrench to loosen the hex bolt counterclockwise. Then remove the hex bolt, outer flange and blade. 2 1. Hex wrench 2.

Shaft lock 007684 Hex wrench is stored on the tool. To remove hex wrench, just pull it out. To install hex wrench, place it on the grip and insert it as far as it will go. 1 007658 Removing or installing saw blade CAUTION: · Do not use saw blades which do not comply with the characteristics specified in these instructions. · Use only saw blades which are rated for at least 5,200 min-1.

· Be sure the blade is installed with teeth pointing up at the front of the tool. · Use only the Makita wrench to install or remove the blade.



[You're reading an excerpt. Click here to read official MAKITA](http://yourpdfguides.com/dref/3263077)

[SP6000K user guide](http://yourpdfguides.com/dref/3263077)

<http://yourpdfguides.com/dref/3263077>

To remove the blade, push in the lock-off button to unlock the upper limit stopper. 2 1 To install the blade, follow the removal procedure in reverse. **BE SURE TO TIGHTEN THE HEX BOLT CLOCKWISE SECURELY.**

1. Hex bolt 2. Outer flange 3. Saw blade 4. Inner flange 4 3 2 1 007672 1. Lock-off button 2. Locking lever Connecting a vacuum cleaner 1. Vacuum cleaner 2. Dust port 1 2 007662 Turn the locking lever to lock the saw head for replacing a blade. 1 007673 1.

Locking lever When you wish to perform clean cutting operation, connect a Makita vacuum cleaner to your tool. Connect a hose of the vacuum cleaner to the dust port as shown in the figure. **OPERATION** Section cutting (ordinary sawing) 007655 · With the lock-off button depressed and the locking lever turned, lower the handle so that the lock pin fits in the groove formed by the locking lever and the depth guide 9 **CAUTION:** Be sure to move the tool forward in a straight line gently. Forcing or twisting the tool will result in overheating the motor and dangerous kickback, possibly causing severe injury. Never approach any part of your body under the tool base when section cutting, especially at starting. Doing so may cause serious personal injuries. The blade is exposed under the tool base. Hold the tool firmly. The tool is provided with both a front grip and rear handle. Use both to best grasp the tool.

If both hands are holding saw, they cannot be cut by the blade. Set the front of base on the workpiece to be cut without the blade making any contact. Then push in the lock-off button and turn the tool on and wait until the blade attains full speed. Now press down the saw head slowly to the preset depth of cut and simply move the tool forward over the workpiece surface, keeping it flat and advancing smoothly until the sawing is completed. To get clean cuts, keep your sawing line straight and your speed of advance uniform.

If the cut fails to properly follow your intended cut line, do not attempt to turn or force the tool back to the cut line. Doing so may bind the blade and lead to dangerous kickback and possible serious injury. Release switch, wait for blade to stop and then withdraw tool. Realign tool on new cut line, and start cut again. Attempt to avoid positioning which exposes operator to chips and wood dust being ejected from saw.

@@@@@@@Simply slide the rip fence up snugly against the side of the workpiece and secure it in position with the screws on the front and the back of the base. It also makes repeated cuts of uniform width possible. Overturning the rip fence (guide rule) also works as a sub base for the tool. **Plunge cutting (Cutting-out)** 1 2 1. Rear edge of tool base 2. Fixed stop 1 007685 007686 Place the tool on the rear end of guide rail. Turn two adjusting screws on the tool base so that the tool slides smoothly without a clatter. Hold the tool firmly. The tool is provided with both a front grip and rear handle. Use both to best grasp the tool.

Turn on the tool, press down the tool to the preset depth of cut and cut the splinterguard along the full length with a stroke. The edge of the splinterguard corresponds to the cutting edge. 10 **WARNING:** To avoid a kickback, be sure to observe the following instructions. When using the tool without guide rail Place the tool on the workpiece with the rear edge of tool base against a fixed stop or equivalent which is devised by an operator. · When using the tool with guide rail Place the tool on the guide rail with the rear edge of tool base against a fixed stop or equivalent which is clamped on the guide rail. 1 1. Adjusting screw for 90 Hold the tool firmly with one hand on the front grip and the other on the tool handle. Then push in the lock-off button and turn the tool on and wait until the blade attains full speed. Now press down the saw head slowly to the preset depth of cut and simply move the tool forward to the desired plunge position. **NOTE:** · The markings on the side of the blade guard show the absolute front and the absolute rear cutting points of the saw blade (A for diameter 160 mm and B for diameter 165 mm) at the maximum cutting depth and using the guide rail.

007667 1. Adjusting screw for 45 1 007668 B A 007678 **NOTE:** · Adjusting for accuracy of 22.5°, 48° and cannot be performed. A B -1° cut Replacing carbon brushes 1. Limit mark Guide device (accessories) Use of the miter gauge (accessory) allows exact miter cuts with angles and fitting works.

Use of the clamp (accessory) ensures firm hold of workpiece on the table. 1 001145 **MAINTENANCE** · **CAUTION:** Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance. Adjusting for accuracy of 90° and 45° cut (vertical and 45° cut) This adjustment has been made at the factory. But if it is off, adjust the adjusting screws with a hex wrench while inspecting 90° or 45° the blade with the base using a triangular rule or square rule, etc. Remove and check the carbon brushes regularly.

Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes. Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps. 1. Screwdriver 2. Brush holder cap 1 2 007676 11 To maintain product **SAFETY** and **RELIABILITY**, repairs, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts. **ACCESSORIES CAUTION:** These accessories or attachments are recommended for use with your Makita tool specified in this manual.

The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose. If you need any assistance for more details regarding these accessories, ask your local Makita Service Center. · Saw blades · Guide rail · Rip fence (Guide rule) · Miter gauge · Clamp · Hex wrench · Sheet set for guide rail · Rubber sheet set for guide rail · Position sheet set for guide rail · 12 13 14 15 Makita Corporation Anjo, Aichi, Japan 884683C228 16 .



[You're reading an excerpt. Click here to read official MAKITA SP6000K user guide](http://yourpdfguides.com/dref/3263077)
<http://yourpdfguides.com/dref/3263077>