MINI CIRCULAR SAW CORDLESS

FSP182A

INSTRUCTION MANUAL

BUILDER SAS

32, rue Aristide Bergès -ZI 31270 Cugnaux –France

IMPORTANT: Please read the instruction manual before using.

Technical Data

Rated Voltage		20V d.c.
No-load Speed		4500/min ±10%
Max. Cutting Capacity	@ 90°	42.8mm (1-11/16”)
	@ 45°	28mm (1-1/8”)
Saw Blade Diameter		115mm (4-1/2”)
Sound power level		LWA: 97 dB(A) KWA:3 dB(A)
Sound pressure level		LpA:86 dB(A) KpA:3 dB(A)
Vibration		ahW=4,03 m/s² K = 1,5 m/s²

Information:

- That the declared vibration total value(s) and the declared noise emission value(s) have been measured in accordance with a standard test method and may be used for comparing one tool with another;
- That the declared vibration total value(s) and the declared noise emission value(s) may also be used in a preliminary assessment of exposure.

Warning

- That 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

- of the 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).

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.*

b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*

c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*

d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*

e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*

f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

3) Personal safety

a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*

b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.*

c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*

d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*

e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*

f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*

g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards*.

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

4) Power tool use and care

a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*

b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*

c) **Disconnect the plug from the power source and/or 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) Battery tool use and care

a) **Recharge only with the charger specified by the manufacturer**. *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*

b) **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*

c) **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another**. *Shorting the battery terminals together may cause burns or a fire.*

d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help**. *Liquid ejected from the battery may cause irritation or burns.*

e) **Do not use a battery pack or tool that is damaged or modified**. *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*

f) **Do not expose a battery pack or tool to fire or excessive temperature**. *Exposure to fire or temperature above 130 °C may cause explosion.*

NOTE the temperature „130 °C“can be replaced by the temperature „265 °F“.

g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

6) 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.*

b) **Never service damaged battery packs.** *Service of battery packs should only be performed by the manufacturer or authorized service providers.*

Safety instructions for all saws

Cutting procedures

a) **DANGER: Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing.** *If both hands are holding the saw, they cannot be cut by the blade.*

b) **Do not reach underneath the workpiece.** *The guard cannot protect you from the blade below the workpiece.*

c) **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.*

d) **Never hold the workpiece in your hands or across your leg while cutting. Secure the workpiece to a stable platform.** *It is important to support the work properly to minimise body exposure, blade binding, or loss of control.*

e) **Hold the 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 could give the operator an electric shock.*

f) **When ripping, always use a rip fence or straight edge guide.** *This improves the accuracy of cut and reduces the chance of blade binding.*

g) **Always use blades with correct size and shape (diamond versus round) of arbour holes.** *Blades that do not match the mounting hardware of the saw will run off-centre, causing loss of control.*

h) **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.*

Further safety instructions for all saws

Kickback causes and related warnings

- kickback is a sudden reaction to a pinched, jammed 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 jammed 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.

a) **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.*

b) **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.*

c) **When restarting a saw in the workpiece, centre the saw blade in the kerf so that the saw teeth are not engaged into the material.** *If a saw blade binds, it may walk up or kickback from the workpiece as the saw is restarted.*

d) **Support large panels to minimise the risk of blade pinching and kickback.** *Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.*

e) **Do not use dull or damaged blades.** *Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.*

f) **Blade depth and bevel adjusting locking levers must be tight and secure before making the cut.** *If blade adjustment shifts while cutting, it may cause binding and kickback.*

g) **Use extra caution when sawing into existing walls or other blind areas.** *The protruding blade may cut objects that can cause kickback.*

Safety instructions for saws with pendulum guard and saws with tow guard

Lower guard function

a) **Check the lower guard for proper closing before each use. Do not operate the saw if the lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.** *If the saw is accidentally dropped, the lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.*

b) **Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.** *Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.*

c) **The lower guard may be retracted manually only for special cuts such as "plunge cuts" and "compound cuts". Raise the lower guard by the retracting handle and as soon as the blade enters the material, the lower guard must be released.** *For all other sawing, the lower guard should operate automatically.*

d) **Always observe that the lower guard is covering the blade before placing the saw down on bench or floor.** *An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.*

- Never use the saw when transported to another location. The blade guard can be opened and can cause serious injury.

- If the switch does not turn on or off the saw properly, stop using it immediately and have the saw switch repaired.

- Always allow the saw to reach full speed before starting the cut.

- Never use the side of the blade to cut. When making horizontal cuts, make sure that the weight of the tool does not force the side of the blade to be cut. This will reduce the risk of rebound.

- Make sure there are no nails or foreign objects in the area of the workpiece.

- Never put the workpiece on hard surfaces such as concrete, stone, etc. A protruding blade can blow the tool.

- DANGER: To prevent accidental starting, always remove the plug from the power source before making any adjustments and before installing or removing a saw blade.

- After changing a blade or making adjustments, make sure that the blade clamping screw is tight because a loose blade can be thrown violently.

- Never touch the blade during or immediately after use. After use, the blade is too hot to be touched with bare hands.

- Use only blade diameters in accordance with the markings. Installing an incorrect blade can result in injury and poor cutting.

- Use the correct saw blade for the material to be cut;

- Use only saw blades that are marked with a speed equal or higher than the speed marked on the tool.

- Check every time the function of all blades guards operations. To do this, check to see if the protective cover covers the blade properly and can be opened without any problem by using the lever.

- Work only wood, PVC, aluminum, ceramic tile and cement slabs by using the appropriate disc.

- Do not use abrasive wheels.

- Avoid overheating the blade tips.

- Always use a dust collection system.

- Wear a dust mask.

- Use only saw blades recommended by the manufacturer, which conform to EN 847-1.

WEAR A DUST MASK THAT IS DESIGNED TO BE USED WHEN OPERATING A POWER TOOL IN A DUSTY ENVIRONMENT.

WARNING: Dust that is created by power sanding, sawing, grinding,

drilling, and other construction activities may contain chemicals that are known to cause cancer, birth defects, or other genetic abnormalities. These chemicals include:

- Lead from lead-based paint
- Crystalline silica from bricks, cement, and other masonry products
- Arsenic and chromium from chemically treated lumber

The level of risk from exposure to these chemicals varies, according to how often this type of work is performed. In order to reduce exposure to these chemicals, work in a well-ventilated area, and use approved safety equipment, such as a dust mask that is specifically designed to filter out microscopic particles.

SAFETY INSTRUCTIONS FOR BATTERY CHARGER

This charger can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given

supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

CAUTION – Do not recharge non-rechargeable batteries

Symbols

 Read instructions manual


Wear eyes protection

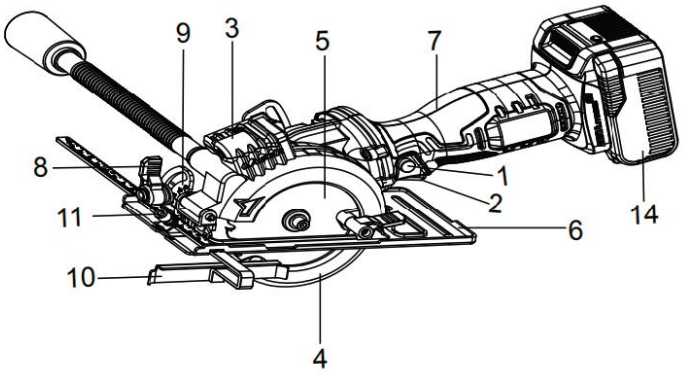

LASER RADIATION - DO NOT STARE INTO BEAM - CLASS 2 LASER PRODUC

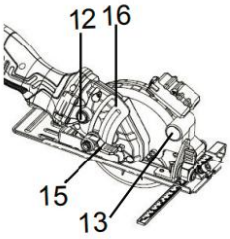
Function Description

1.	Lock-Off / Plunge Release Button	9.	Cutting Depth Scale
2.	ON/OFF Trigger Switch	10.	Rip Guide
3.	Laser	11.	Rip Guide Locking Screw
4.	Retractable Lower Blade Guard	12.	Spindle Lock
5.	Saw Blade	13.	Dust Extraction Nozzle
6.	Base Plate	14.	Battery
7.	Soft Grip	15.	Cutting Depth Clamp
8.	Cutting Angle Clamp	16.	Cutting Depth Scale

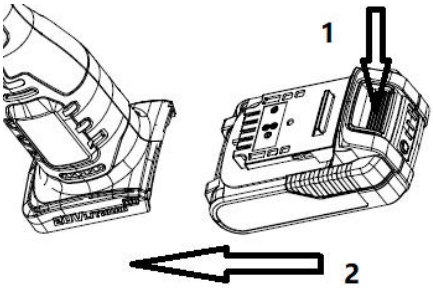
The numbering of the products features refers to the illustration of the machine on the graphics page.

.





Inserting the battery



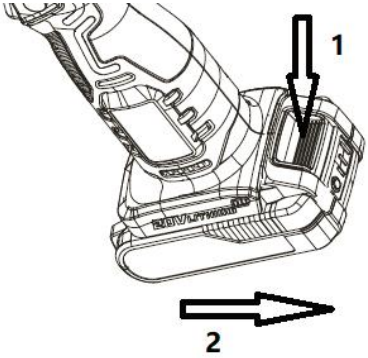
- Press the button of the charged battery.
- Push it completely into the base.

CAUTION

Use only original lithium ion batteries with the voltage listed on the nameplate of

your power tool. Using other batteries can lead to injuries and pose a fire hazard.

Removing the Battery



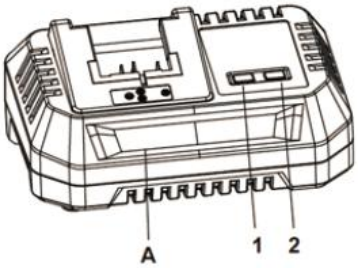
- The battery is equipped with two locking levels that should prevent the battery from falling out when pushing the battery unlocking button unintentionally. As long as the battery is inserted in the power tool, it is held in position by means of a spring.
- To remove the battery, press the battery unlocking button and pull the battery out of the power tool toward the rear. Do not exert any force.

BATTERY ELECTRIC INDICATOR

 The electric energy is divided into 3 grades, if you want to check the electric energy of battery; you need to press down the electric indicator button.

• **All LEDs on** indicates the battery pack is fully charged.

Battery Charging



1. If fitted, remove any battery charger.

2. Insert the battery charger mains plug into a suitable mains socket.

• **Only a steady RED Light** indicates the charger has been plugged in.

• **A steady RED Light and a Flashing GREEN light (with battery inserted)** indicate the battery is charging.

• **A steady RED Light and A steady GREEN light (with battery inserted)** indicate the battery is completely charged.

• **Only a Flashing RED Light (with battery inserted)** indicates the battery pack is too hot. You should let the battery pack cool down for approximately 30 minutes before attempting to recharge.

• **A RED and A GREEN light flashing alternatively (with battery inserted)** indicate the battery pack is defective and needs to be replaced. Please contact authorized service personnel or dispose of the defective battery in the method explained in this manual.

WARING: Use this charger ONLY to charge the supplied battery or additional purchased batteries that are specifically designed for this tool.

WARNING: Failure to follow the correct procedure when charging batteries will result in permanent damage.

Note: Normal charging time is approximately 35minutes for a recently discharged 2.0Ah capacity battery.

However, if the Battery has been left in a discharged state for some time, it may take Additional time to charge.

Note: Make sure the Battery and Battery Charger are lined up correctly. If the Battery does not slide on to the Battery Charger easily, don't force it. Instead, remove the battery; check the top of Battery and the Battery Charger slot are clean and undamaged and that the contacts are not bent.

IMPORTANT: When a low charge level is indicated, the tool may stop operating while in use, which is dangerous when operating a circular saw. Always ensure the battery pack has a good charge level.

When the battery is full charged, the battery charger will stop charging (switch to stand by).

There are no restrictions on how long a battery can remain in the charger. Recommended is to remove the battery from the battery charger when the battery is full charged or the charger is disconnected from the supply.

The battery should be charged and used at ambient temperatures between 10 and 40°C (ideally around 20°C).

After charging, allow 15 minutes for the battery to cool before use.

Ensure that the charger is disconnect ted from the mains supply after use, and is stored correctly.

DO NOT leave batteries on charge for extended periods and NEVER store batteries on charge. The

Battery Charger monitors battery temperature and voltage while charging. Remove the Battery once charging is complete to maximize charge cycles of the battery and not waste power.

Batteries can become faulty over time, individual cells in the battery can fail and the battery could short. The charger will not charge faulty batteries. Use another battery, if possible, to check correct functionality of the charger and purchase a replacement battery if a faulty battery is indicated.

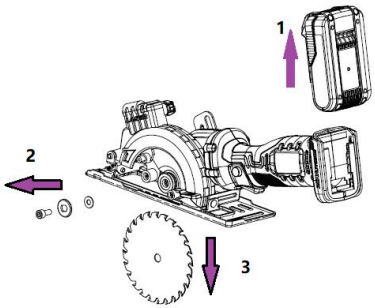
DO NOT store lithium-ion battery packs in a discharged state over a long period as this can damage the lithium-ion cells. For long-term storage, store batteries in a high charge state disconnected from the power tool. Store the battery in a safe place, out of reach of children, in an ambient temperature between 10 and 40°C.

The capacity of batteries will reduce over time. After 100 charge cycles, the battery's operation time and the maximum torque performance of the driver will slightly reduce. This decline will continue until the battery has minimal capacity after 250 charge cycles. This is normal and not a fault with the battery.

Mounting/Replacing the Saw Blade

Before any work on the power tool, remove the battery.

- When mounting the saw blade, wear protective gloves. Danger of injury when touching the saw blade.
- Only use saw blade that correspond with the characteristic data given in the operating instructions.
- Do not under any circumstances use grinding discs as the cutting tool.



Removal of the Saw Blade

For changing the cutting tool, it is best to place the machine on the face side of the motor housing.

- Press the spindle button and keep it pressed.
- The spindle lock button may be actuated only when the saw spindle is at a standstill. Otherwise, the power tool can be damaged.
- With the Allen key, unscrew the clamping bolt turning in rotation direction.
- Tilt back the retracting blade guard and hold firmly.
- Remove the clamping flange and the saw blade from the saw spindle.

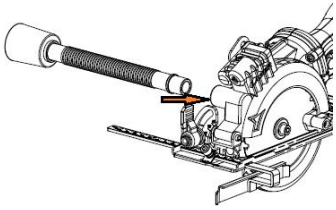
Dust/Chip Extraction

Dusts from materials such as lead-containing coatings, some wood types, minerals and metal can be harmful to one's health. Touching or breathing-in the dusts can cause allergic reactions and/or lead to respiratory infections of the user or bystanders, certain dusts, such as oak or beech dust, are considered as carcinogenic, especially in connection with wood-treatment additives (chromate, wood preservative). Materials containing asbestos may only be worked by specialists.

- To achieve a high level of dust extraction, use a suitable dust extractor together with this power tool.

- Provide for good ventilation of the working place.

- It is recommended to wear a P2 filter-class respirator.



Operation

Mounting the Extraction Adapter

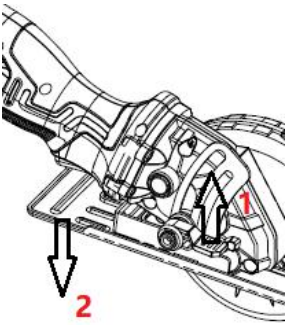
Before any work on the power tool, remove the battery. Fasten the extraction adapter to the dust port without tools.

▸**The extraction adapter may not be mounted when no external dust extraction is connected.** Otherwise the extraction channel can become clogged.

▸**Do not connect a dust bag to the extraction adapter.**

Otherwise the extraction system can become clogged. To ensure optimum extraction, the extraction adapter must be cleaned regularly.

Adjusting the Cutting Depth

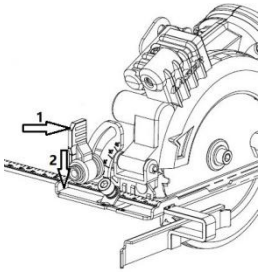


- Adjust the cutting depth to the thickness of the work-piece. Less than a full tooth of the blade teeth should be visible below the workpiece.
- Loosen wing bolt. For a smaller cutting depth, pull the machine from the base plate; for a larger cutting depth, push the machine toward the base plate.
- Adjust the desired cutting depth at the cutting-depth scale.

- Tighten wing bolt again.

When setting the cutting depth, use the reference mark to the side of the cutting-depth scale.

Adjusting the Cutting Angle



It is best to place the machine on the face side of the blade guard.

- Loosen wing bolt.
- Tilt the saw side-wards.
- Adjust the desired setting at the scale.
- Tighten wing bolt again.

Note: For bevel-cuts, the cutting depth is smaller than the setting indicated on the cutting-depth scale.

Switching On and Off

▸To **start** the machine

- **First** push the lock-off button for the On/Off switch
- **Then** press the On/Off switch and keep it pressed.

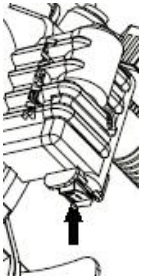
- When cut the wood, **put** the machine on the workpiece and **push** it along the wood.

▸To **switch off** the machine

- **First** take out of the machine from workpiece.
- **Then** release the On/Off switch.

Note: For safety reasons, the On/Off switch cannot be locked; it must remain pressed during the entire operation.

Pressing the Laser Button



Note: Laser light can cause severe eye damage. Never look directly into the laser beam. Do not point the laser beam at other people or animals, either directly or through reflective surfaces.

The laser feature on your saw is powered by two LR44 1.5V button batteries (installed). The Laser feature clearly shows you an extended cut-line, even over debris on the work piece.

- Turn it on with the laser light ON/Off switch right before cutting.
- Turn it off immediately after use to conserve battery and laser life.

Working Advice

Protect saw blades against impact and shock.

Guide the machine evenly and with light feed in the cutting direction. Excessive feed significantly reduces the service life of the saw blade and can cause damage to the power tool.

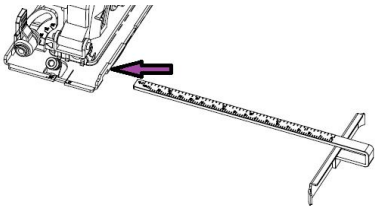
Sawing performance and cutting quality depend essentially on the condition and the tooth form of the saw blade. Therefore, use only sharp saw blades that are suited for the material to be worked.

Sawing Wood

The correct selection of the saw blade depends on the type and quality of the wood and whether length way or crossway cuts are required.

When cutting spruce lengthways, long spiral chips are formed. Beech and oak dusts are especially detrimental to health. Therefore, work only with dust extraction.

Installing Parallel Guide



NOTE: The parallel guide enables exact cuts along a workpiece edge and cutting strips of the same dimension.

Release the lock screw for guide fence on the base plate and set the guide fence in the guide fence slot.

Set a desired width and retighten the lock screw for the guide fence.

MAINTENANCE AND SERVICE

Maintenance and Cleaning

• **Before any work on the machine itself (e. g. maintenance, tool change, etc.) as well as during transport and storage, remove the battery from the power tool.** There is danger of injury when unintentionally actuating the On/Off switch.

• **For safe and proper working, always keep the machine and ventilation slots clean.** The retracting blade guard must always be able to move freely and retract automatically. Therefore, always keep the area around the retracting blade guard clean. Remove dust and chips by blowing out with compressed air or with a brush. Saw blades that are not coated can be protected against corrosion with a thin coat of acid-free oil. Before use, the oil must be removed again; otherwise the wood will become soiled. Resin and glue residue on the saw blade produces poor cuts. Therefore, clean the saw blade immediately after use.

TRANSPORT

The contained lithium ion batteries are subject to the Dangerous Goods Legislation requirements. The user can transport the batteries by road without further requirements.

When being transported by third parties (e. g.: air transport or forwarding agency), special requirements on packaging and label must be observed. For preparation of the item being shipped, consulting an expert for hazardous material is required.

Dispatch batteries only when the housing is undamaged. Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging. Please also observe possibly more detailed national regulations.

DISPOSAL

The machine, rechargeable batteries, accessories and packaging should be sorted for environmental-friendly recycling. Do not dispose of power tools and batteries/rechargeable batteries into household waste!

Battery packs/batteries:

Li-ion:

Protect the battery against moisture and water.

Store the battery only within a temperature range between 0 °C and 50 °C. As an example, do not leave the battery in the car in summer.

Occasionally clean the venting slots of the battery using a soft, clean and dry brush.

A significantly reduced working period after charging indicates that the battery is used and must be replaced.

Please observe the instructions in section “Transport” and the notes for disposal.

Battery Pack

Model: 91201-T:

Battery Type: 2.0 Ah Li-ion

Voltage: DC-20V

Capacity：2000mAh

Charger

Model: 91101

Input 100-240V A 50/60Hz, 95W

Output 20V DC 4A

Charge time: 30min for 2.0Ah battery

Charge time: 60min for 4.0Ah battery

Charge time: 90min for 6.0Ah battery

1. Warranty

We guarantee this product for 2 full years.

The warranty period for this item starts on the day of purchase. You can prove the date of purchase by sending us the original receipt.

We insure over the entire warranty period:

- Free repair of possible malfunctions.
- Free replacement of damaged parts.
- Including the free service of our specialized personnel (i.e. free assembly by our technicians)

Provided that the damage is not due to improper use of the device.

To help you with your product, we invite you to use this link or call us on +33 (0)9 70 75 30 30:

https://services.swap-europe.com/contact

You must create a "ticket" via their platform:

- Register or create your account
- Indicate the reference of the tool
- Choose the subject of your request
- Explain your problem
- Attach these files: Invoice or receipt, identification plate photo (serial number), photo of the part you need (e.g. broken transformer plug pins)

DISPOSAL

Electrical products should not be discarded with household products. According to the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation into national law, electrical products used must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

Déclaration CE de conformité

BUILDER SAS

ZI, 32 rue Aristide Bergès- 31270 Cugnaux-France

Tel: + 33 (0) 5.34.502.502 Fax: + 33 (0) 5.34.502.503

Declares that the machinery designated below:

Mini Circular Saw

FSP182AS

Serial number:

Complies with the provisions of the Directive « Machine » 2006/42/EC and national laws transposing it:

Also complies with the following European directives:

EMC DIRECTIVE 2014/30/UE

RoHS DIRECTIVE 2011/65/UE & (EU) 2015/863

Also complies with European standards, with national standards and the following technical provisions:

EN 62841-1:2015+AC: 2015

EN 62841-2-5:2014

EN55014-1:2017

EN55014-2:2015

EN 60335-2-29:2004+A2;EN 62233:2008

EN 60335-1 : 2012+A11+A13

EN 62321:2013

Responsible for the technical file: Mr. Olivier Patriarca

Cugnaux, le 01/01/2020

Philippe Marie/PDG