

FEIDER

MACHINES

CONCRETE SANDER

FPB1010

INSTRUCTION MANUAL



**WARNING: READ THE INSTRUCTION MANUAL THOROUGHLY BEFORE USING THIS TOOL AND
KEEP THE MANUAL FOR FUTURE USE.**


**BUILDER SAS
ZI - 32, RUE ARISTIDE BERGES, 31270 CUGNAUX, FRANCE
MADE IN PRC 2021**

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1. SAFETY INSTRUCTIONS

1.1 General Power Tool Safety Warnings

 **WARNING** 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.

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 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.*

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 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.*
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power 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.*

5) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

1.2. Safety warnings for scouring machines

- a) **This power tool is intended to function as a scouring machine (electrical sander). 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.*
- b) **Operations such as grinding, wire brushing, polishing or cutting-off are not recommended to be performed with this power tool.** *Operations for which the power tool was not designed may create a hazard and cause personal injury.*
- c) **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** *Just because the accessory can be attached to your power tool, it does not assure safe operation.*
- d) **The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** *Accessories running faster than their rated speed can break and fly apart.*
- e) **The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool.** *Incorrectly sized accessories cannot be adequately guarded or controlled.*
- f) **Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbour hole of the accessory must fit the locating diameter of the flange.** *Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.*
- g) **Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and**

bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. *Damaged accessories will normally break apart during this test time.*

- h) **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.**
- i) **Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.**
- j) **Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.**
- k) **Position the cord clear of the spinning accessory. If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.**
- l) **Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.**
- m) **Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.**
- n) **Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.**
- o) **Do not operate the power tool near flammable materials. Sparks could ignite these materials.**
- p) **Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.**

1.3 Further safety instructions

Kickback and Related Warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.




- a. **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** *The operator can control torque reactions or kickback forces, if proper precautions are taken.*
- b. **Never place your hand near the rotating accessory. Accessory may kickback over your hand.**
- c. **Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.**



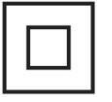
- d. **Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory.** *Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.*
- e. **Do not attach a saw chain woodcarving blade or toothed saw blade.** *Such blades create frequent kickback and loss of control.*

1.4 Additional safety instructions for the concrete sander

- Do not use the tool near explosive materials.
- Do not work with materials containing asbestos.
- Prior to every use, check the tool and its cable and plug. Have damages repaired only by specialists.
- Insert the plug into the socket only when the tool is switched off.
- Plug and switch the machine off if it is not under supervision, in case of putting up and stripping down the machine, in case of voltage drop or when fixing or mounting an accessory.
- Switch the machine off if it stops for whatever reason. Like that you avoid that it starts suddenly.
- Check the milling head before every use. Do not use damaged or sluggishly running milling stars.
- Make sure that the tool was mounted properly, and let it run idly in a safe position for 30 seconds. Stop the tool immediately if you found considerable vibrations or other defects.
- Don't use the machine if a part of the housing is damaged or in case of damages on the switch, the cable or plug.
- Electrical tools have to be inspected visually by a specialist in regular intervals.
- After interruption of your work, restart the tool only after having made sure that the milling head and the milling stars are moving freely.
- Do not touch rotating parts.
- Persons under 16 years are not supposed to use the tool.
- Keep the handles dry, clean and free of oil and grease.
- **Caution!** The milling head still runs for a little while after the machine is switched off.
- When working with the machine, wear ear protectors, dust mask, goggles, safety gloves and sturdy work clothes.
- Always hold the machine with both hands.
- Make sure that persons in the work space are not endangered by particles flying around.
- In order to avoid the star holder and the milling stars getting damaged, work very carefully on edges or corners.
- Do not work on surfaces with steel reinforcements which lie open.
- If the mains cable gets damaged or cut during the use, do not touch it. Switch off the tool and then pull the plug out of the socket by using and extreme precaution. Never use the tool with a damaged mains cable.

Symbols

	In accordance with essential applicable safety standards of European directives
	WARNING-To reduce the risk of injury, user must read instruction manual
	Always wear goggles.

	Always wear mask protection
	Do not dispose of old electronic devices in the household waste.
	Class II product

Intended use

- This tool is specially designed for the minimum effort and maximum speed in grinding difficult to reach areas. It is designed to work in conjunction with a vacuum cleaner for minimum dust and maximum efficiency. The pivoting grinding head allows it to follow surface contours for ease of handling.
- This product is intended for professional use only.
- Any other use might lead to damage of the appliance, property or personal injury.
- Any mishandling and any use contrary to these instructions will not in any way engage the liability of the manufacturer.

2. YOUR TOOL



Technical data

Model:	FPB1010
Rated voltage	230-240V~, 50Hz
Power input	1010 W
Speed	1700-3500 min ⁻¹
Max diamond cup diameter	Φ125mm
Hexagon socket nut	M10
Net weight	4,45kg
Sound pressure level LpA	LpA: 88.8 dB(A)
Uncertainty Kpa	3 dB(A)
Sound power level LwA	99.8 dB(A)
Uncertainty Kwa	3 dB(A)
Vibration total value	Main handle:3.565 m/s ²
Uncertainty K	Auxiliary handle:5.769 m/s ² K=1.5 m/s ²



Wear hearing protection!

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.

The declared vibration total value may also be used in a preliminary assessment of exposure.

WARNING!

The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used.

There is a 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).

3. ASSEMBLY

Warning DO NOT OPERATE THIS TOOL UNTIL YOU READ AND UNDERSTAND THE ENTIRE INSTRUCTION MANUAL.

THE MACHINE MUST BE SWITCHED OFF AND UNPLUGGED DURING ASSEMBLY

Diamond wheel:

1. Unplug the machine.
2. Place the diamond wheel on the arbour and then the nut.
3. Insert the screw and tighten with the provided wrench.
4. You can use a face spanner wrench (not provided with this model) to keep the diamond wheel from turning.
5. To remove the wheel, unscrew the screw with the wrench.

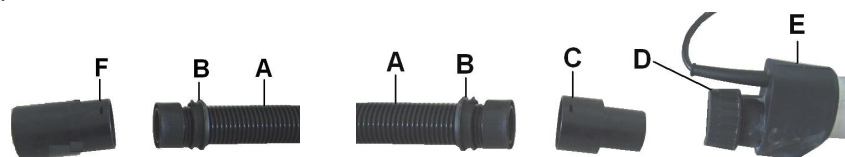


Telescopic tube

1. Insert the tube in the hole situated in the rear of the tool
2. Adjust the size following the operation to do
3. Lock the tube by turning the locking knob.

Vacuum cleaner hose:

1. Plug the vacuum cleaner hose bayonet connector into the swivel connector in the back of the machine. Once the tangs of the bayonet connector are fully inserted in the slots, hold the swivel connector from turning and turn the hose bayonet connector clockwise to lock.
2. Do the opposite operation to disassemble the hose.



Vacuum cleaner

Ensure that you have a bag installed in your vacuum cleaner which is approved and rated for fine dust.

Plug the vacuum cleaner with the end of the hose. Make sure that it is well installed.

In case that the connector is not suitable with your model of vacuum cleaner, please contact our service client.

WARNING: Failure to use an approved dust bag in your vacuum will increase the level of airborne dust in the work area. Prolonged exposure to such dust may cause respiratory harm.

MOUNTING THE BAIL HANDLE:

1. Loosen the thumb screw and remove the clamp cap.
2. Place the handle in the desired position on the column.
3. Clamp the handle in place by replacing the clamp cap and tighten the screw.

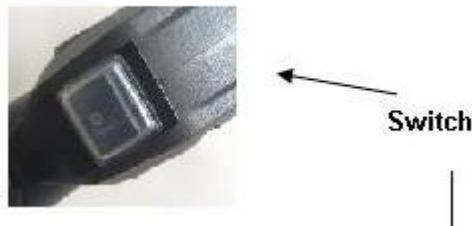
4. OPERATION

Make sure that the power circuit voltage is the same as that shown on the specification plate of the machine and that switch is "OFF" before connecting the tool to the power circuit.

Switching the machine on and off

To switch on:

While holding with the left hand on the column and the right hand on the main handle, press the switch to the "ON" position. Anticipate and be ready for the start torque when the machine first starts.



To switch off:

Press the switch to the "OFF" position. After the machine has been switched off, the grinding wheel will still rotate for a time. Take care that parts of your body do not come into contact with the wheel and do not set the machine down while it is still rotating!

Adjusting the rotation speed:

The speed of the machine is variable to suit different tasks. It can be adjusted from 1700/min up to 3500/min by using the thumb wheel, turn in the downward direction to increase the speed and in the upward direction to decrease the speed. Generally, you should use the higher speed for fast stock removal and the lower speed for more precise control.



HOW TO USE THE TOOL

Effective control of this machine requires two-handed operation for maximum safety and control.

The proper hold is to keep one hand on the main handle and the other hand on the sponge grip on the column or the bail handle. It is vitally important to keep stable footing at all times, especially when standing on scaffolding or stilts.

GRINDING OPERATIONS

1. Once the machine and vacuum cleaner are set up and all safety measures and equipment are in place, begin by turning on the vacuum cleaner and then the machine (If you are using a vacuum cleaner with integrated switching, then simply turn the machine on.).
2. Begin grinding and contact the work surface with enough down force to keep the grinding head flat against the surface.
3. The U-joint in the grinding head will allow the grinding wheel to follow the contours of the work surface.

5. MAINTENANCE

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

KEEP TOOL CLEAN.

Periodically blow out all air passages with dry compressed air. All plastic parts should be cleaned with a soft damp cloth. NEVER use solvents to clean plastic parts. They could possibly dissolve or otherwise damage the material.

Wear safety glasses while using compressed air.

Clean the vacuum swivel connector as too much dust will keep it from turning freely.

THE CARBON BRUSHES

The carbon brushes are a normal wearing part and must be replaced when they reach their wear limit.

NOTE: Checking and replacing the carbon brushes should be entrusted to a qualified service center.

The carbon brushes furnished will last approximately 50 hours of running time or 10,000 on/off cycles. Replace both carbon brushes when either has less than 1/4" length of carbon remaining. To inspect or replace brushes, first unplug the machine and lay it on its side. Remove the 3 screws to remove the left and right motor rear bracket halves. Unscrew the two Carbon Brush Holders and remove the Carbon Brushes.

NOTE: When putting the Carbon Brushes back into the Carbon Brush Holders it is essential that both flanges go back inside the holder.

NOTE: To reinstall the same brushes, first make sure the brushes go back in the way they came out. Otherwise a break-in period will occur that will reduce motor performance and increase brush wear.

Replacing is the reverse of removal. When replacing all covers, take great care that all wires are in place and not in a position to be pinched when they are retightened. It is recommended that, at least once a year, you take the tool to an Authorized Service Center for a thorough cleaning and lubrication.

6. 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.

7. DECLARATION OF CONFORMITY

Declaration of Conformity

BUILDER SAS

ZI - 32 rue Aristide Bergès - 31270 Cugnaux - France

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

States that the designated below machine

Concrete sander

Model: FPB1010

Serial number: 20210441122- 20210441421

Has been developed, designed and manufactured in accordance with the requirements of directives:

Machinery Directive 2006/42/EC

EMC Directive 2014/30/EC

RoHS Directive 2011/65/EU+(EU) 2015/863

And also meets the following standards:

EN60745-1:2009+A11:2010

EN 60745-2-3:2011+A2:2013+A11:2014+A12:2014+A13:2015

EN 55014-1:2017

EN 55014-2:2015

EN 61000-3-2:2014

EN IEC 61000-3-2:2019

EN 61000-3-3:2013

EN 61000-3-3:2013/A1:2019

Cugnaux: 25/01/2020

A handwritten signature in black ink, appearing to read 'Philippe MARIE', is located below the date.

Philippe MARIE/PDG

8. WARRANTY



WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

The warranty does not cover breakdowns due to:

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

The warranty does not extend to:

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



9. PRODUCT FAILURE

WHAT TO DO IF MY MACHINE BREAKS DOWN?

If you bought your product in a store:

- a) Empty the fuel tank.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

If you bought your product on a website:

- a) Empty the fuel tank.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.

For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>

Our hotline remains available at +33 (9) 70 75 30 30.



10. WARRANTY EXCLUSIONS

THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

Attention: all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

Reminder: the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

Information:

Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.