

FEIDER

MACHINES

Drywall Sander

FPG750LED



**ORIGINAL INSTRUCTIONS
READ INSTRUCTIONS BEFORE USE THE TOOL**

1. SAFETY WARNINGS

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.*
- 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.*

Safety instructions for all operations

Safety Warnings Common for Grinding, Sanding, Wire Brushing, Polishing or Abrasive Cutting-Off Operations:

- a) **This power tool is intended to function as a 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.*

Further safety instructions for all operations

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.*

Additional safety instructions for sanding operations

Safety Warnings Specific for Sanding Operations:

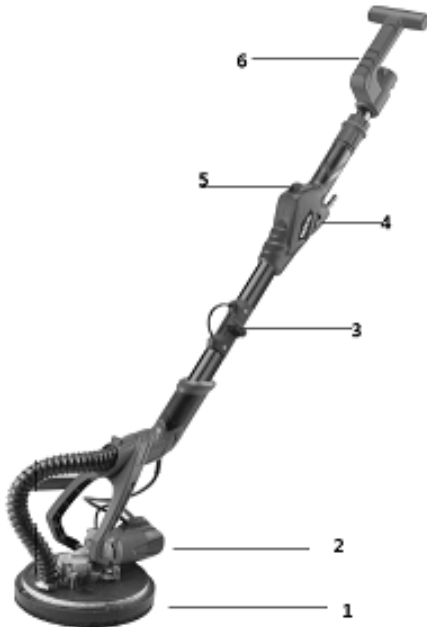
a) **Do not use excessively oversized sanding disc paper. Follow manufacturers recommendations, when selecting sanding paper.** *Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc or kickback.*

5, Warning symbol

	WARNING-To reduce the risk of injury, user must read instruction manual.
	Always wear ear protection
	Always wear goggles
	Always wear a breathing mask

2. YOUR PRODUCT

a. Description



1. Plastic guard
2. Motor
3. Foldable button
4. Speed adjuster
5. Switch push button
6. Extend handle

The striped LED light will help end user to be more visible on dusky sanding condition, will not miss an uneven spot and would help to finish sanding faster.

- Voltage:12V,
- Power: 8.4W



b. Technical data

- Voltage supply: 230-240V~
- Power: 750W
- Frequency 50Hz
- Speed: 1000-2100/min
- Protection class: II
- Disc Diameter: Ø225mm
- Weight 4.1 kg
- Sound pressure level: $L_{pa} = 83,1 \text{ dB(A)}$; $K_{pA} = 3 \text{ dB(A)}$
- Sound power level: $L_{wa} = 94,1 \text{ dB(A)}$; $K_{wA} = 3 \text{ dB(A)}$

The impact of noise can cause damage to hearing.

Overall oscillation value determined according to EN 60745

Vibration emission value 1.171 m/s^2 , Uncertainty $K = 1,5 \text{ m/s}^2$

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:

that 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; 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).

Wear hearing protection.

3. OPERATING INSTRUCTIONS

The Drywall Sander is designed for sanding walls and ceilings made of drywall or plaster. The Sander provides superior finish and is faster than conventional finishing methods for both new construction and renovation work. Clean-up time is minimized by using vacuum cleaner attached to the Sander.

ABRASIVE DISC SELECTION

The drywall sander is equipped a set of sanding paper (80/100/120/150/180/240). This abrasive is suitable for most applications. 120 and 240 abrasive discs are available for works requiring a smoother finish.

CHOOSING THE SANDPAPER

According to the material and grinding effect, choose the appropriate sandpaper.

Material	Usage	Sandpaper
Pigment	Removal of pigment layer	40
Paint	Removal of paint	60
Filling agent	Sanding pigment (such as finishing bottom)	80
Interstitial material	Removal of pickling, sanding residues	100
Pigment layer drips and convex surface	Removal brushing marks	120
Flat bottom material	Good finished sanding for new painting	180-240

Replacement of sanding paper

Before installing the new paper, first the grinding wheel must be clear from dirt. The grinding surface of the adhesive disc has a lint layer, that can quickly and easily be installed flocking self-adhesive sandpaper. The grinding sandpaper surface has to be pressed on the adhesive disc.

HOW TO HOLD A DRYWALL SANDER

The Drywall Sander should be held with both hands on the main tube. The hands may be placed anywhere along the main tube for best application.

CAUTION: Keep the hands on the main tube. Do not place the hands in the area around the sanding head. The sanding head swivels in multiple directions and could jam your hand.

CONNECTION TO THE DUST COLLECTING BAG

In order to protect the operator and reduce dust during the operations, please connect the machine to vacuum cleaner while working process.

INSTALLATION

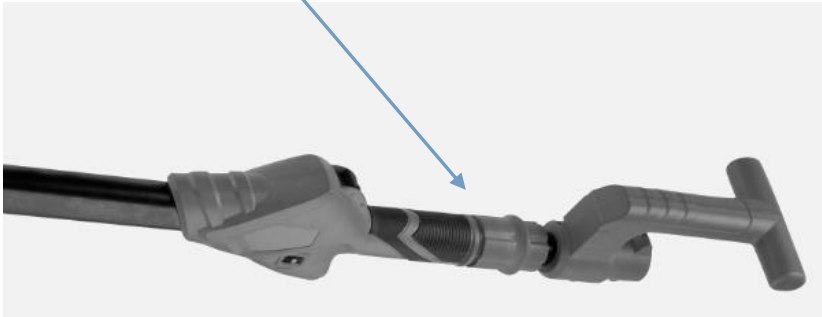
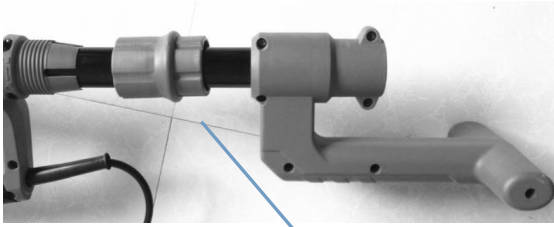
When opening the package, the machine is put as below



-make the foldable button well connecting as below



- Insert the telescopic pipe into the front pipe, adjust to the desired length, turn the locking nut into the front plastic pipe and lock.)



STARTING AND STOPPING THE DRYWALL SANDER

Make sure power circuit voltage is the same as shown on the specification plate on the Sander, and that the Sander switch is OFF. Connect Sander to power circuit.

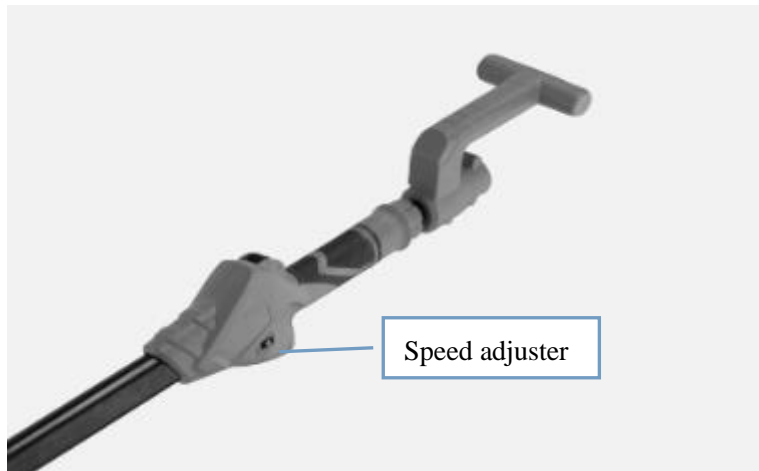
The Drywall Sander is equipped with a qualified switch with a lock block. Depress the switch, not loosen your hand, this machine will be "ON", if press the lock block, machine will be on even your hand leave the switch.

Re-press the switch, the switch will be stopped.

SANDING WHEEL SPEED REGULATION

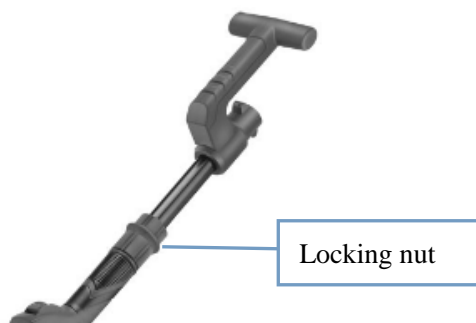
The Drywall Sander is equipped with variable speed control. The speed is adjusted by turning the control knob. The control knob goes from "MIN" to "MAX" from the slowest speed to the fastest speed).

Use the higher speed settings for fast removal of the exceeding. Use the lower speed settings to reduce the removal rate to have more precise control.



HANDLE EXTENSION ASSEMBLY

Depending on the different grinding positions, the length of the machine can be adjusted between 1100-1800mm. Turn the lock nut counter clockwise to loosen, pull the hose to the correct length and then turn the lock nut clockwise to lock.



SANDING OF GYPSUM JOINTS

The Drywall Sander has a special sanding head: the head can rotate in multiple directions, allowing the abrasive pad to adjust to the work surface. This enables the operator to sand the top, middle and bottom of a wall or ceiling joint without changing its position.

1). Turn the vacuum cleaner switch to the ON position.

CAUTION: Wear an approved respirator for mist and dust.

2). Turn the wall sander switch to the ON position.

3). Place the wall sander slightly against the work surface (apply a slight pressure to align the sanding head with the work surface).

4). Apply additional pressure to push the abrasive pad towards the working surface, while moving the sander creating an overlapping pattern to smooth the drywall to the edges.

Apply ONLY enough pressure to keep the abrasive pad flat against the working surface. Excessive pressure can cause unacceptable micro scratches and damage the uniformity of the working surface.

The sander must always be in motion when the abrasive pad is in contact with the working surface. Use a steady, sweeping motion. Stopping the Sander (on the working surface), or moving the sander may cause unacceptable micro scratches and affect the uniformity of the working surface.

NOTE: Do not allow the rotating abrasive pad coming in contact with sharp protrusions. Contact with protruding objects (nails, screws, electrical boxes, etc.), can severely damage the abrasive pad.

ABRASIVE PAD REPLACEMENT

CAUTION: DISCONNECT SANDER FROM POWER SOURCE.

- 1). Grasp the abrasive belt and strap support (tighten the plate on the bracket), to prevent rotation.
- 2). Rotate the insert retaining nut counter clockwise and remove it..
- 3). Lift the large metal washer and the abrasive pad.

NOTE: When the abrasive pad is removed from the sander, the abrasive rear disc is exposed. This rear disc is also covered with an abrasive material.

This abrasive material is ONLY used to prevent "slippage" between the rear disc and the back abrasive plate foam. It is NOT suitable for use as an abrasive sander. NEVER USE THE SANDER WITHOUT PROPER ABRASIVE PAD INSTALLED (to prevent severe damage to the work).

- 4). Position the new abrasive pad on the rear disc, making sure that the center hole in the abrasive disc is in the middle of the rear abrasive disc.
- 5). Position the large metal washer of the retaining nut on the sander.
- 6). Rotate the retaining nut clockwise and tighten by hand (while holding the abrasive pad).

The output shaft is inserted at the centre of the adhesive disc with six angle wrench with clockwise rotation angle in the six hexagonal holes, and at the same time, the hands hold the adhesive disc. The grinding disc can be remove adhesive.

LARGE BRUSH

A large brush surrounds the abrasive pad. It serves two purposes: (1) It extends below the surface of the abrasive pad so that it's in contact with the work surface first. This positions the sanding head parallel to the work surface before the abrasive comes into contact with the working surface, preventing the abrasive from causing scratches. (2) It also helps contain the drywall dust until the vacuum cleaner pulls it away.

CAUTION: DISCONNECT SANDER FROM POWER CIRCUIT.

To replace it: (1) Remove abrasive pad (see ABRASIVE PAD REPLACEMENT). (2) Use a Phillips screwdriver to remove the six retaining screws (3) Then remove the brush. (4) Place the new brush in the housing and install it using the six retaining screws. (5) Replace the abrasive pad.

4. MAINTENANCE

Tools should always be clean, clean up debris and dust.

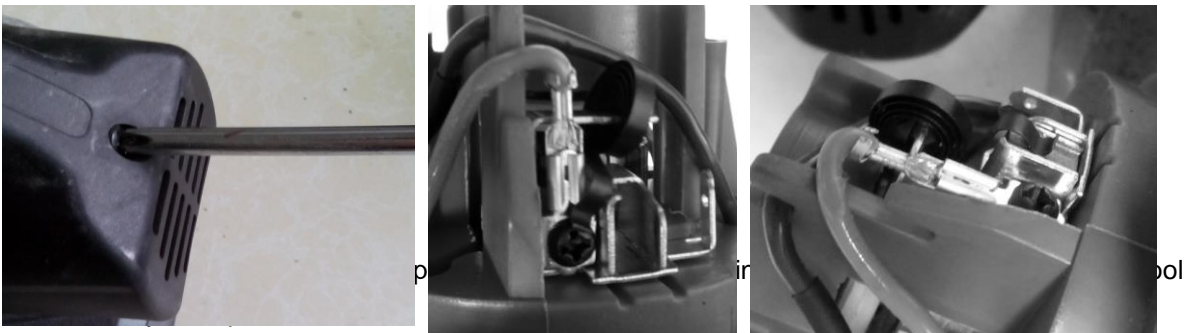
Always change the oil (gearbox, bearings) for proper operation.

Always check the power cord, plugs, switches to make sure the tools are faultless.

The power tools manufactured by the company undergo a strict quality inspection. If the machine is faulty, please consult the authorized service centre (SWAP) for repair.

Carbon brushes replacement

The accessories include an original set of carbon brush, when the carbon brush reaches its wear limit, replace with a new one. Use a "+" screwdriver counter clock wise to unscrew the brush cover, remove the original carbon brush, place a new carbon brush and screw the brush cover.



If it is necessary to replace the cable, it shall be done by an authorized agent.

Storage

After use and cleaning, please store your tool. Use the provided transport bag to transport the tool and the accessories. Store the tool in a clean, dry place, preferably in its box.

The tool must be stored away from children and pets.

Avoid exposing the tool to direct sunlight.

5. DISPOSAL



CAUTION! This product has been marked with a symbol relating to removing electric and electronic waste. This means that this product shall not be discarded with household waste but that it shall be returned to a collection system which conforms to the European WEEE Directive. Contact your local authorities or ask for advice on recycling. It will then be recycled or dismantled in order to reduce the impact on the environment. Electric and electronic equipment can be hazardous for the environment and for human health since they contain hazardous substances.

6. DECLARATION OF CONFORMITY

FEIDER

32, rue Aristide Bergès - ZI 31270 Cugnaux - France

States that the designated below machine:

Product: Drywall sander

Model: **FPG750LED**

Serial number:

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

Also meets the following standards:

EN60745-1:2009+A11:2010

EN60745-2-3:2011+A12:2014+A13:2015

EN55014-1:2006+A2:2011

EN55014-2:2015

EN61000-3-2:2014

EN61000-3-3:2013

EN62321:2009

Cugnaux, 01/01/2019



Philippe MARIE / PDG

Responsible of the technical file: M. Olivier Patriarca