

UCAN PA 5000 INSTRUCTION MANUAL



BEFORE USING THE PA 5000,
READ, UNDERSTAND AND SAVE ALL SAFETY
INFORMATION AND INSTRUCTIONS, INCLUDING:

- **BATTERY CHARGER MANUAL**
- **PA 5000 INSTRUCTION MANUAL**
- **BATTERY INFORMATION LEAFLET**
- **INSTRUCTIONS ON THE CARTRIDGE OR SAUSAGE, IN THE MSDS, OR PROVIDED BY THE MANUFACTURER OF THE MATERIAL BEING DISPENSED**

PA 5000

Note: Do not operate the PA 5000 until you have read and completely understand the safety and operations sections of this manual.

GENERAL SAFETY RULES

GENERAL SAFETY RULES - FOR ALL BATTERY OPERATED TOOLS

1 **WARNING! READ AND UNDERSTAND ALL INSTRUCTIONS.**

Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS.

2 **Work area**

2.1 **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.

2.2 **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.

2.3 **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

3 **Electrical safety**

3.1 **Do not abuse the cord. Never use the cord to carry the tool. Keep cord away from heat, oil, sharp edges, or moving parts. Replace damaged cords immediately.** Damaged cords may create a fire.

Applies only to tools with a separable battery pack. (Separable means in a separate enclosure from the tool and connected to the tool by a cord).

3.2 **A battery operated tool with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery.** A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.

3.3 **Use battery operated tool only with specifically designated battery pack.** Use of any other batteries may create a risk of fire.

4. **Personal safety**

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

4.2 **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.

4.3 **Avoid accidental starting. Be sure the switch is in the locked or off position before inserting the battery pack.** Carrying tools with your finger on the switch or inserting the battery pack into a tool with the switch on invites accidents.

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

4.5 **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enable better control of the tool in unexpected situations.

4.6 **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

5 Tool Use and Care

5.1 **Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.

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

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

5.4 **Disconnect battery pack from tool or place the switch in the locked or off position before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.

5.5 **Store idle tools out of the reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.

5.6 **When battery pack is not in use, keep it away from other metal objects like: paper clip, 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 sparks, burns, or a fire.

5.7 **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edge are less likely to bind and are easier to control.

5.8 **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.

5.9 **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool may create a risk of injury when used for another tool.

6 Service

6.1 **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel may result in a risk of injury.


6.2 **When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of shock or injury.

SPECIFIC SAFETY RULES AND SYMBOLS

ADDITIONAL SAFETY RULES - FOR PA 5000 CORDLESS CAULKING GUN

7 Material

7.1 Before using any material, be sure to read, understand, and follow the instructions of the manufacturer of that material. Read the MSDS (Material Safety Data Sheet) supplied by the manufacturer of the material and all writing on the material and the container thoroughly. Material may not dispense properly if it is not at the proper temperature. Material may pose a health hazard without adequate ventilation.

7.2  **DANGER: Do not use to dispense any flammable or explosive material, any material that contains petroleum distillate(s), or any material that cannot be used safely near sparks or near electric motors. Do not use this tool, or any other power tool, if any phrases such as "Flammable", "Explosive", "Keep away from heat, spark, and flame", "Keep away from heat, spark, open flames and any ignition source", "Petroleum Distillate", "Distillates (Petroleum)", "Disconnect electric motors", etc., appear.** This product contains an electric motor. All electric motors generate sparks and may ignite vapors from materials.

8 Condition of Tool

8.1 Do not use damaged tools. Lockout or clearly mark "DO NOT USE" until repaired. Many accidents are caused by poorly maintained tools.

8.2 Do not alter or modify tool. Any alteration or modification is a misuse and may result in a dangerous condition.

9 Maintenance

9.1 Do not disassemble tool or battery pack. At conclusion of its useful life, remove battery pack from tool. Without further disassembly, return battery pack intact for recycling and/or discard tool intact. Disassembly and reassembly may create an unsafe condition.

9.2 Do not adjust internal components. This may cause an unsafe condition.

9.3 Use only mild soap for cleaning. Other cleaning agents such as gasoline, carbon tetrachloride, ammonia, etc., may damage plastic parts.

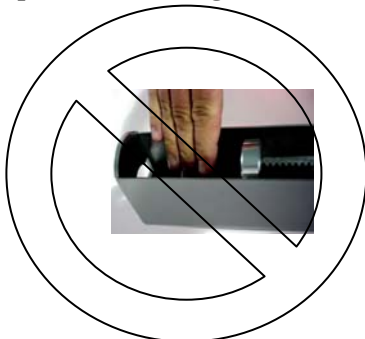
9.4 Always unplug charger before cleaning and when it is not in use. Failure to do so may result in shock or fire.

10 Operation

10.1 **WHEN OPERATING THE PA 5000, USE BOTH HANDS.** Use of both hands will help prevent dropping the tool which could cause damage to the tool or operator.



10.2 Do not place hand or finger in front of plungers while battery is attached. This could result in injury to operator.



10.3 **Do not use any attachments.** Use of attachments could cause personal injury or damage to tool.

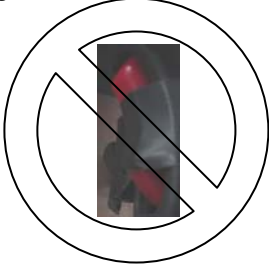
10.4 **Release trigger and wait for tool to stop before removing battery pack. Removal of battery pack or cartridges during operation is prohibited.** This could cause damage to tool or personal injury.



10.5 **⚠️ WARNING: When not in use, turn speed control to its minimum setting and remove battery pack.** This prevents tool from starting unintentionally.



10.6 **Do not fix trigger in the “ON” position by any means (rubber band, tape, etc.).** This may result in an unsafe operating condition.



10.7 **Do not operate without pistons attached.** This will damage the cartridge and may be dangerous.

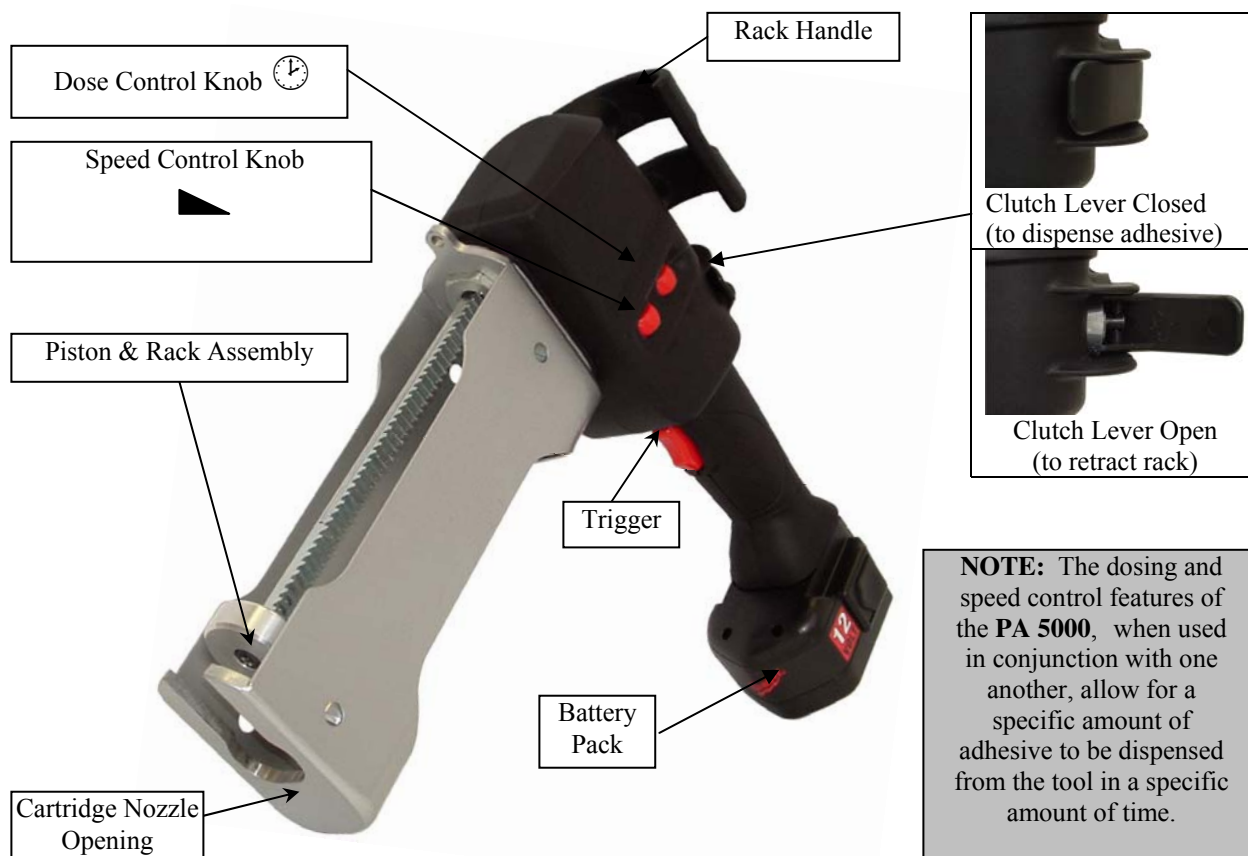
10.8 **Use only with batteries of rated voltage and same type.** Higher voltages may create an electrical hazard. Other battery types may fall from tool, creating a risk of personal injury.



DEFINITION OF ALL SYMBOLS USED ON THE TOOL

- V volts
- direct current
- ⌚ dose
- ▲ speed
- ⚠️ DANGER!
- 🚫 KEEP HANDS AWAY!

FUNCTIONAL DESCRIPTION



NOTE: The dosing and speed control features of the PA 5000, when used in conjunction with one another, allow for a specific amount of adhesive to be dispensed from the tool in a specific amount of time.

Trigger

- “ON”/“OFF” mechanism

Clutch Lever



- Close clutch lever to engage gears and start dispensing adhesive.

- Open clutch lever to allow free movement of rack.

Speed Control Knob



- The speed feature allows you to speed up or slow down the flow of adhesive. To use this feature, turn the speed control knob to the flow that is applicable to the application.
- Changing the speed while using the dosing feature will reduce or increase the amount of adhesive dispensed.

Dose Control Knob



- The dose control knob is used to set the amount of time per trigger pull for which adhesive is dispensed.
- To use this feature, turn the dosing control knob until the amount of adhesive needed per trigger pull is discharged.

Battery Pack

- To remove battery pack, squeeze both release buttons and slide the battery pack forward.
- To insert battery pack, slide battery pack fully onto the base of the handle.

Rack Handle

- To reposition the pistons, open the clutch lever and push or pull the rack handle, as needed.

Cartridge Nozzle Opening

- Line up the cartridge in the opening to ensure accurate cartridge alignment and proper engagement of pistons.

OPERATION

PREPARATION:

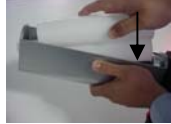



1. Open clutch lever to allow movement of racks.





2. Retract the rack by pulling the rack handle away from the tool.



If using cartridge designed to be loaded into dispenser before mixing tube is attached:

3. Insert cartridge.
- 
4. Line up the cartridge and the cartridge nozzle opening to assure correct positioning.
- 
5. Push rack handle forward, lining up piston with the openings on the cartridge.
- 
6. Remove caps and plugs on the end of cartridge.
- 
7. Screw the static mix nozzle onto the cartridge.

If using cartridge designed for mixing tube to be attached before loading into dispenser:

3. Remove caps and plugs on the end of cartridge.
 4. Screw the static mix nozzle onto the cartridge.
- 
5. Insert cartridge.
 6. Line up the cartridge and the cartridge nozzle opening to assure correct positioning.
- 
7. Push rack handle forward, lining up piston with the openings on the cartridge.

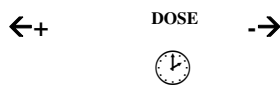
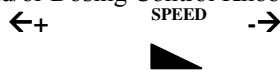


DISPENSING:

1. Close the clutch lever to engage clutch.
2. Slide battery onto the handle of the tool fully.



3. Adjust Speed Control Knob and/or Dosing Control Knob to your need.



4. Hold trigger to begin dispensing adhesive.



WHEN FINISHED DISPENSING OR WHEN END OF CARTRIDGE IS REACHED:

1. Release trigger.



2. Open clutch.



3. Retract rack.



4. Remove cartridge.




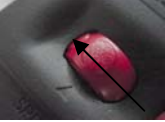










5. Store or dispose of used cartridge in accordance with manufacturer's instructions and any applicable laws or regulations.

6. To prolong battery life and prevent accidental starting, remove battery pack by simultaneously squeezing **both** release buttons and sliding the battery pack forward.



TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	REMEDY
Motor does not start.	<ul style="list-style-type: none"> • Trigger not depressed  • Discharged battery • Speed setting too low  • Battery pack not fully inserted. • Cartridge or sausage fully dispensed (dispenser shuts off automatically) 	<ul style="list-style-type: none"> • Press trigger.  • Use charger to recharge battery. • Increase speed setting  • Remove and reinstall battery pack. • Remove and replace cartridge or sausage.
Motor stops suddenly while running.	<ul style="list-style-type: none"> • “Dose” time elapsed • Battery pack not fully inserted. • Cartridge or sausage fully dispensed (dispenser shuts off automatically) 	<ul style="list-style-type: none"> • Release trigger, increase “dose”, press trigger. • Remove and reinstall battery pack. • Remove and replace cartridge or sausage.
Motor stops gradually or slows down.	<ul style="list-style-type: none"> • Discharged battery • Speed setting too low  	<ul style="list-style-type: none"> • Use charger to recharge battery. • Increase speed setting 
Motor runs, but adhesive is not being dispensed.	<ul style="list-style-type: none"> • Clutch open  • Cartridge tip not removed • Adhesive too cold. • Cured adhesive clogging mixing tube • Cartridge failure (blow by) 	<ul style="list-style-type: none"> • Close clutch.  • Remove tip. • Warm the adhesive. • Replace mixing nozzle (mixing tube). • Remove cartridge. Clean pistons and teeth. Install new cartridge.
Adhesive is dispensed very slowly	<ul style="list-style-type: none"> • Discharged Battery • Speed setting too low  • Adhesive too cold. • Cured adhesive clogging mixing tube • Cartridge failure (blow by) 	<ul style="list-style-type: none"> • Use charger to recharge battery. • Increase speed setting  • Warm the adhesive. • Replace mixing nozzle (mixing tube). • Remove cartridge. Clean pistons and teeth. Install new cartridge.
Dispensed adhesive is not uniformly mixed.	<ul style="list-style-type: none"> • Adhesive too cold. • Cured adhesive in mixing nozzle • Cartridge failure (blow by) 	<ul style="list-style-type: none"> • Warm the adhesive. • Replace mixing nozzle (mixing tube). • Remove cartridge. Clean pistons and teeth. Install new cartridge.
Rack handle is difficult to push or pull.	<ul style="list-style-type: none"> • Clutch closed  • Adhesive built up on rack teeth 	<ul style="list-style-type: none"> • Open clutch  • Remove cartridge. Clean pistons and teeth. Install new cartridge.

MAINTENANCE

- Always unplug charger before cleaning and when it is not in use.
- Frequent maintenance can prolong the life and safety of the tool. Every year or as necessary (depending on usage of tool), return it to a service center shown in the service center section of this manual for:
 - Electrical and mechanical inspection
 - Cleaning and lubrication
 - Testing to ensure that the electrical and mechanical systems are in proper operation.
- If the PA 5000 is not running at full capacity, check to be sure that the battery pack is fully charged and that the contacts on the battery pack and tool are both clean. If they need maintenance, use caution and clean with an eraser. If your tool is still not operating properly, return all parts including tool, battery and charger to a service center shown in the service center section of this manual for repair. *Service or maintenance performed by unqualified personnel could result in a risk of injury.*
- Keep handles clean, dry and free of oil or grease. Clean with mild soap and damp cloth. Do not use solvents or cleaning agents that can damage tool.
- Follow cleaning and maintenance instructions in battery charger manual and battery pack leaflet.
- Apply light coating of light machine oil to lubricate rack, as needed.
- For internal lubrication and all other maintenance, except external cleaning and battery pack recharging, and for all repairs, return to service center, distributor, or manufacturer.
- Recycle used batteries. Comply with all disposal regulations and laws.
 - For rechargeable battery recycling information in the United States and Canada, call the Rechargeable Battery Recycling Corporation: 1-800-8-BATTERY.
 - For a listing of major retailers that accept rechargeable batteries for recycling, go to <http://www.rbrc.com/retail/index.html#list> or contact:
 - RBRC
1000 Parkwood Circle
Suite 450
Atlanta, GA 30339
Ph: 678-419-9990
Fax: 678-419-9986
 - To search for drop-off locations near you, go to
 - <http://www.rbrc.com/consumer/uslocate.html> for locations in the United States
 - <http://www.rbrc.com/consumer/clocate.html> for locations in Canada



ACCESSORIES

These accessories are recommended for use with the PA 5000:

Battery packs:

- See “Operation” section of this manual for battery proper use of batteries.
- Recycle old battery pack.
- Choose from:
 - 12 Volt Nickel-Cadmium Battery Pack
 - 12 Volts DC
 - 1.3 amp-hour capacity
 - 14.4 Volt 1.7 amp-hour Nickel-Cadmium Battery Pack
 - Higher voltage (14.4 Volts DC) increases the speed of the tool
 - Higher 1.7 amp-hour capacity for longer run time than 12 Volt battery pack

Chargers:

- Use battery chargers in accordance with separate instructions supplied with battery charger.
- Both chargers recharge battery packs in one hour once proper temperature is reached.
- Choose from:
 - One hour NiCd AC Charger
 - Uses 120 Volt AC power
 - Recharges both 12 Volt DC battery packs
 - Recharges 14.4 Volt DC battery packs
 - Plugs into standard American 120 VAC wall socket
 - One Hour NiCd DC Charger
 - Uses 12 Volt DC automotive power
 - Recharges 12 Volt DC battery packs
 - Recharges 14.4 Volt DC battery packs
 - Plugs into cigarette lighter

Shoulder strap (not available for all models)

- To use, hook the snap securely onto the hole in the cartridge holder.


Cleaning kit

- Use in accordance with separate instructions provided in cleaning kit.

FACTORY SERVICE CENTER

UCAN Fastening Products
155 Champagne Drive, Unit 10
Toronto, Ont. M3J 2C6
Canada

To contact the UCAN Factory Service Center, call

 **1-416-631-9400**

Monday - Friday • 8:00AM - 5:00PM • Eastern Time

WARRANTY

The UCAN warranty covers the cost of parts and labor for repairing defects in workmanship and materials. All repairs will be completed at the factory approved service center. Purchaser is responsible for shipping costs. The UCAN warranty is valid for up to 12months from the date of manufacture. Ship to:

UCAN Fastening Products
155 Champagne Drive, Unit 10
Toronto, Ont. M3J 2C6
Canada