



**Original User Manual**

**Cordless Heat Gun**

**FX-E1HLP20**



**WARNING:** Before starting work, please read the operating manual carefully, as it contains all the important information and safety instructions that must be followed in order to use this equipment properly.

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## Introduction and safety

Never allow children or persons unfamiliar with these instructions to use the power tool. Children should be supervised to ensure that they do not play with the appliance.

### Intended use

This device is exclusively intended for strong heating and the resulting work on a material in private use.

The device is to be used in accordance with the descriptions and safety instructions given in this manual and in the descriptions and safety instructions provided. Any other use is not intended. Any use other than that intended will invalidate the warranty and result in the manufacturer's refusal to accept any responsibility. The user is liable for all damage to third parties and their property. Operate the device only in the technical condition specified and delivered by the manufacturer. Unauthorized modifications to the device exclude the manufacturer's liability for any resulting damage.

### General safety instructions for power tools

#### WARNING!

Read all safety information and instructions. Failure to follow the safety information and instructions may result in electric shock, fire and/or serious injury.

Keep all safety information and instructions for future reference.

The term power tool used in the safety information refers to power tools that operate on mains power (with power cord) and battery-powered power tools (without power cord).

### Workplace safety

- Keep your work area clean and well lit. Clutter or unlit work areas can lead to accidents.
- Do not work with the power tool in a potentially explosive environment containing flammable liquids, gases or dust. Power tools generate sparks that can ignite the dust or vapours.
- Keep children and other persons away from the power tool throughout its use. If distracted, you may lose control of the device.

### Electrical safety

- Keep power tools away from rain or wet conditions. Water entering a power tool increases the risk of electric shock.
- Do not use the cord to carry or hang the power tool or to unplug the power tool from the wall outlet. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or tangled cables increase the risk of electric shock.

- If you use a power tool outdoors, only use extension cords that are suitable for outdoor use. Using an extension cord suitable for outdoor use reduces the risk of electric shock.

### Personal safety

- Be alert, pay attention to what you are doing, and use common sense when working with a power tool. Do not use a power tool if you are tired or under the influence of drugs, alcohol or medication. A moment of carelessness while using a power tool can cause serious injury.

- Wear personal protective equipment and always wear safety glasses. Wearing personal protective equipment such as a dust mask, non-slip safety shoes, hard hat or ear protection, depending on the after type and use of the power tool, reduces the risk of injury.

- Avoid unintentional start-up. Make sure that the power tool is turned off before connecting it to the power supply and/or battery, picking it up or carrying it. If you lift your finger while carrying the power tool on the switch or connect the device to the power supply when switched on, this can lead to accidents.

- Remove adjustment tools or wrenches before turning on the power tool. A tool or wrench that is in a rotating part of the unit may cause injury.

- Avoid abnormal posture. Maintain a safe standing position and balance at all times. This allows you to control the power tool better in unexpected situations.

- Wear suitable clothing. Do not wear loose clothing or jewellery. Keep hair, clothing and gloves away from moving parts. Loose clothing, jewellery or long hair can be caught by moving parts.

### Use and handling of the power tool

- Do not overload the device. Be sure to use the designated power tool for your work. With the right power tool, you will work better and safer in the specified power range.

- Do not use a power tool whose switch is defective. A power tool that cannot be switched on or off is dangerous and must be repaired.

- Unplug the power cord and/or remove the battery before making adjustments to the device, changing accessories or putting the device away. This precaution prevents the power tool from starting accidentally.

- Keep unused power tools out of the reach of children. Do not have the device used by persons who are not familiar with it or have not read these instructions. Power tools are dangerous if they are used by inexperienced persons.

- Take care of power tools properly. Check that moving parts function properly and do not jam, that parts are not broken or damaged in such a way that the function of the power tool is impaired. Have

damaged parts repaired before using the device. Many accidents are caused by poorly maintained power tools.

- Be sure to use power tools, accessories, insert tools, etc. according to these instructions. Take into account the working conditions and the task to be performed. The use of power tools for applications other than those intended can lead to dangerous situations.

### Use and handling of the cordless tool

- Charge the batteries only with chargers recommended by the manufacturer. Using a charger that is suitable for a particular type of battery creates a fire hazard when used with other batteries.

- Only use the rechargeable batteries in power tools that are designed for this purpose. Use of other batteries may cause injury and fire.

- Keep the unused battery away from paper clips, coins, keys, nails, screws, or other small metal objects that could cause the contacts to bridge. A short circuit between the battery contacts may cause burns or fire.

- Liquid may leak from the battery if used incorrectly. Avoid contact with it. In case of accidental contact, rinse with water. If the liquid gets into your eyes, seek additional medical attention. Leaking battery fluid may cause skin irritation or cause burns.

## Safety Instructions for Battery Hot Air Gun

### General safety information

- For your safety and the safety of others, read this manual and its safety information before using the device. Please keep this manual and its safety information in a safe place for future reference and keep it handy for any operation.

- Pass on the operating instructions with the device in the event of a change of ownership.

- Persons operating the device must not be under the influence of intoxicating substances (e.g. alcohol, drugs or medicines).

- Operate the device only in the conditions specified and supplied by the manufacturer. technical condition. Unauthorized modifications to the device exclude the manufacturer's liability for any resulting damage.

- Only use the device in daylight or under good artificial lighting.

- Only use the device in dry weather conditions. Keep it away from rain or moisture. Water ingress into the device increases the risk of electric shock.

- Turn off the device and remove the battery in the following conditions:
  - if the device is left unattended;
  - before checking, cleaning or other work on the device;
  - if the device starts to vibrate excessively.

### Before use

- Familiarise yourself with the device and its functions and controls before starting work.
- Check the device for signs of wear or damage before starting up and after a collision.
- Do not use device whose switch is defective and can no longer be switched on or off.
- Never use device with damaged or missing parts. Have them repaired or, if necessary, replaced by a qualified technician or specialist workshop.
- Always wear appropriate personal protective device (safety goggles, hearing protection, non-slip work gloves, etc.) when working with or on the device. Wearing personal protective device reduces the risk of injury.

### During use

The heat gun may only be used by those who have thoroughly familiarized themselves with it. All users must know the function and operation of this tool, but also its limitations and possible dangers. This will greatly reduce the risk of electric shock, fire and serious injury.

- Remove all packing materials and, if necessary, the transport locks. Keep packaging materials away from children - danger of suffocation!
- Never place your hands over the ventilation slots or block the ventilation slots in any other way.
- The nozzle and the attachments become very hot! It is essential to let them cool down before touching them!
- The heat gun must be switched off before it can be put down.
- Never leave switched on tools unattended!
- This product can cause fires if not handled with extreme care!
- Heat can also be transferred to flammable objects that are not immediately obvious.
- DO NOT use the heat gun when flammable gases may be present in the air or near flammable materials.
- The heat gun must cool down before it can be packed away!

- Always ensure good ventilation, as toxic fumes can be produced under the influence of the heat.
- Never use this heat gun as a 'hair dryer'!
- Neither the air inlet nor the air outlet must be blocked as this would generate extreme heat which could damage the fan.
  
- Never point hot air at people or animals!
  
- Never touch the metal nozzle during or shortly after operation! It becomes extremely hot and needs up to 30 minutes to cool down.
  
- Carefully avoid contact of the hot nozzle with other objects!
  
- Do not insert any objects into the nozzle! There is a risk of electric shock. Never look into the nozzle while the appliance is in operation.
  
- Paints / varnishes must not stick to the nozzle or the spatula attachment! They could ignite after some time.
  
- Hold this tool with ONE hand only. Never place your second hand over the ventilation slits!
  
- When mounting or dismounting the nozzle attachments or making adjustments, the battery must always be removed first.

#### After use

Switch off the unit and remove the battery from the gun. Then place the unit in a safe place and let it cool down before storing it permanently.

Do not store the device within the reach of children. Make sure that the ventilation slots in the unit are clean.

Please do not clean dirt with water. This may damage the electrical device.

#### Safety information for the charger

- Keep the charger away from rain or moisture. Water entering a charger increases the risk of electric shock.

- Keep the charger clean. Soiling increases the risk of electric shock.

- Check the charger, cable and plug before each use. Do not use the charger if you notice any damage. Do not open the charger yourself and have it repaired by qualified personnel using only original spare parts.

Damaged chargers, cables and plugs increase the risk of electric shock.

- Do not place any objects on the charger or place it on soft surfaces. This could result in a fire hazard.

- Always check that the mains voltage corresponds to the voltage indicated on the charger's rating plate.
- Never use the charger if the cable, plug or the device itself is damaged by external influences. Take the charger to the nearest specialist workshop.
- Never open the charger. In the event of a fault, take it to a specialist workshop.

### Safety information for Li-Ion batteries

- Do not open the battery. There is a risk of short circuit.
- Protect the battery from heat, including continuous exposure to sunlight, fire, water and moisture. There is a risk of explosion.
- Vapours may escape if the battery is damaged or used improperly. Supply fresh air and consult a doctor if you have any complaints. The vapours can irritate the respiratory tract.
- Liquid may leak from the battery if used incorrectly. Avoid contact with it. In case of accidental contact, rinse with water. If the liquid gets into your eyes, seek additional medical attention. Leaking battery fluid may cause skin irritation or burns.
- Only use original batteries with the voltage specified on the rating plate of your power tool. If other batteries are used, e.g. imitation, reconditioned batteries or batteries from other manufacturers, there is a risk of injury and material damage due to exploding batteries.
- The battery voltage must match the battery charging voltage of the charger. Otherwise there is a risk of fire and explosion.
- Only charge the batteries with chargers recommended by the manufacturer. Using a charger that is suitable for a particular type of battery creates a fire hazard if it is used with other batteries.
- Sharp objects such as nails or screwdrivers or external force may damage the battery. An internal short circuit may occur and the battery may burn, smoke, explode or overheat.

## Presentation

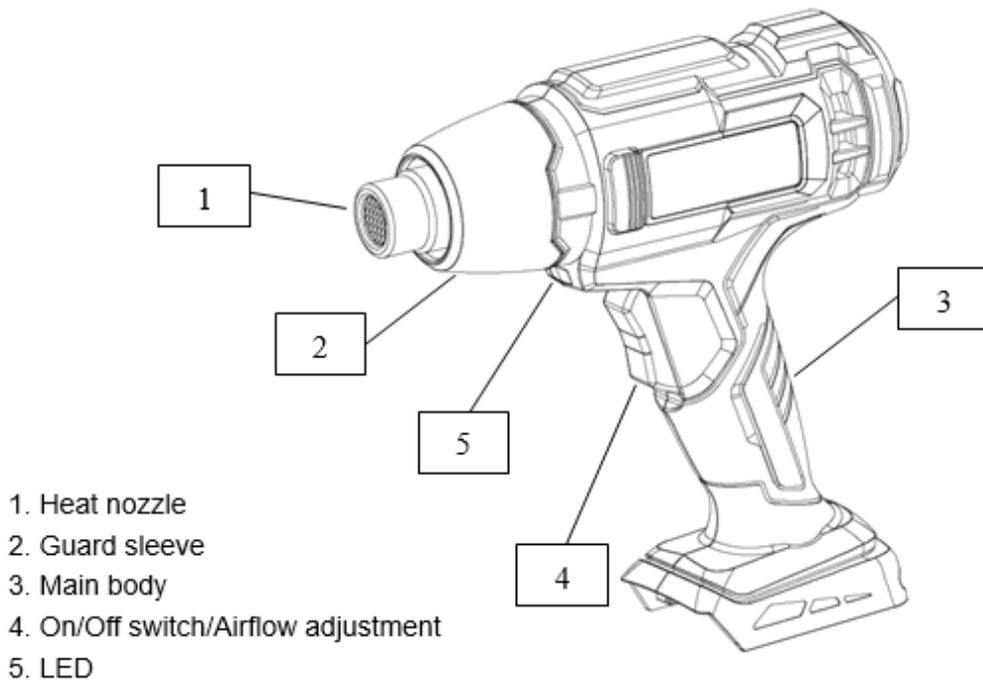


Figure 1: Heat gun

1. Hot air nozzle
2. Protective sleeve
3. Handle
4. On/off switch
5. Work light



Figure 2: Various additional attachments

## Use

The tool is switched on and off at the two-stage switch on the front of the handle. Please keep the switch pressed to activate the heating stage (2). As soon as you no longer hold down this setting, the switch changes directly to position 1 (= cold air). The distance to the object you are working on depends on the material and the intended working method. Always test the air flow and temperature on a test piece first.

With the attachable accessory nozzles, the hot air flow can be controlled with highest precision. A small amount of smoke may be produced the first time the unit is used. Switch off the unit with the switch position "0".

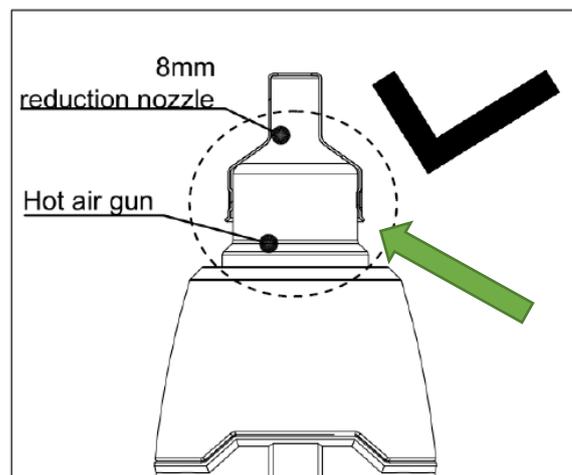
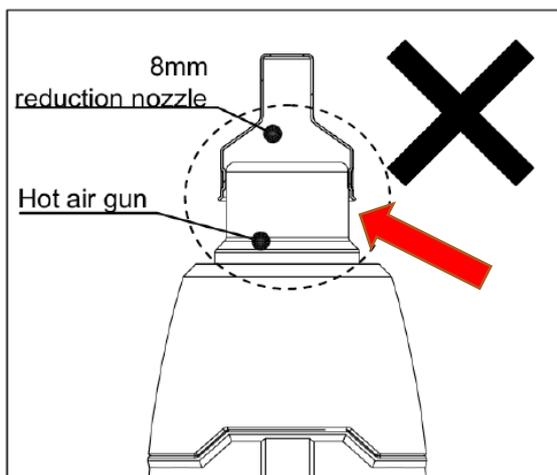
Be careful when changing the hot air nozzles! When you set up the hot-air generator, make sure that it is standing on a stable, non-slip and clean surface and let it cool down completely before changing the nozzles!

### Additional nozzles:

- Air reduction nozzle (a): Reinforced, punctual heat for corners, plexiglass bending and soldering.
- Hook nozzle (b): ambient heat for welding thin pipes, soft-soldering of copper tubes, tube forming and shrinking of heat shrinkable tubing.
- Fan nozzle (c): Aligns heat over a wide area. Can be used for the removal of paint, floor coverings and vinyl surfaces or for drying.

### **Important:**

When using the additional attachments, it is absolutely necessary that they are firmly attached. If this is not done, the heated air can be returned to the unit and the unit can be damaged. Therefore, please make sure that the attachments are fitted correctly (see following pictures).



The work lamp lights up when the tool is switched on. In addition to illuminating the area to be machined, it also serves as a "tool ON" indicator light.

## Disposal



### **WARNING!**

Make used power tools unusable before disposal:

- mains-operated power tools by removing the connecting plug,
- battery operated power tools by removing the battery.



### **For EU countries only**

Do not throw power tools into the household waste! According to the European Directive 2012/19/EC on waste electrical and electronic device and its implementation in national law, used electrical device must be collected separately and recycled in an environmentally friendly manner.

Raw material recovery instead of waste disposal. Device, accessories and packaging should be



recycled in an environmentally friendly manner. Plastic parts are marked for recycling according to type.



### **WARNING!**

Do not throw batteries into household waste, fire or water. Do not open spent batteries. Batteries should be collected, recycled or disposed of in an environmentally friendly manner.

For EU countries only: According to Directive 2006/66/EC, defective or used batteries must be recycled.



### **NOTE**

*Please contact your local authority/city for information on disposal options,*



**Recycling raw materials instead of waste disposal.**

## Technical data

### **Heat gun**

Nominal voltage  
Max air flow  
Max temperature

20 V  
100 (l/min)  
550 degrees Celsius (when using the  
additional nozzle)

