

HDSDI

HOT DEVIL®

QUALITY GAS TORCHES
AND SOLDERING IRONS

RECHARGEABLE DIGITAL SOLDERING IRON

INSTRUCTION MANUAL



1800 mAh
Lithium Battery



USB Max
Charge 1.6A

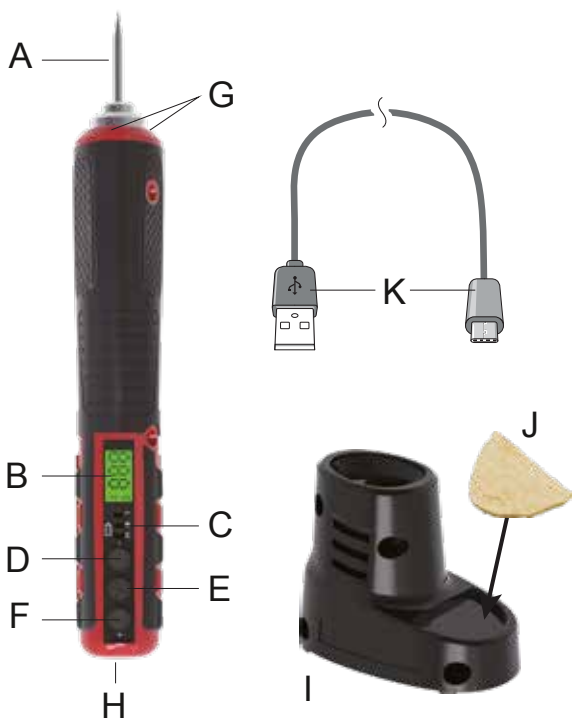


Digital Screen



TRADE QUALITY

Components



Ref.	Description
A	Soldering Tip (replaceable)
B	Digital Display Screen
C	Battery Indicator
D	“-” button
E	“*” Power button
F	“+” button
G	Work Lights (2 xLEDs)
H	Charge Port
I	Stand
J	Tip Cleaning Sponge
K	USB Charging Connector Lead

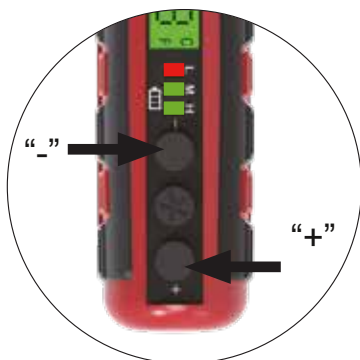
Operation

POWER ON/OFF:



- Long press “★” for 6 seconds.

TEMPERATURE ADJUSTMENT



- Short press “+”/“-” to increase/decrease temperature (200°C~450°C).

Operation

LED LIGHT:



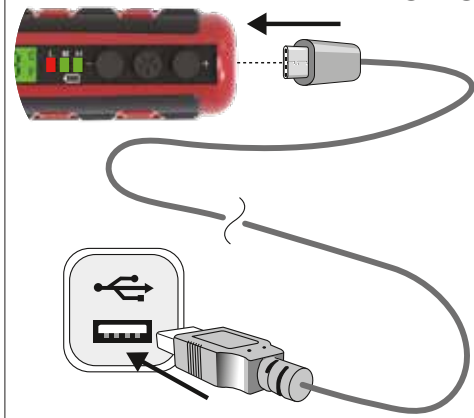
Automatically turns on when powered on
off when powered off.

X2



- Unit Switch: Double-click “★” to toggle °C/°F.

CHARGING



Operation



30% POWER



60% POWER



100% POWER



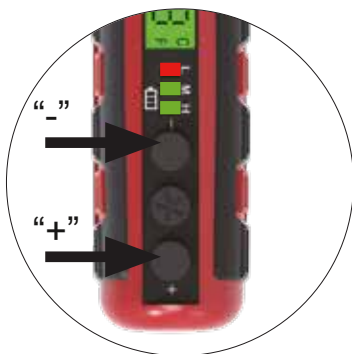
During charging, the corresponding indicator light will FLASH. Once the light remains steadily lit, it indicates the battery is fully charged, and charging should be stopped.

HIBERNATION MODE

- When the device is powered off and the digital display is inactive, press and hold both the "+" and "-" buttons simultaneously for approximately **6 seconds** to view the hibernation switch status.
- Press the "+" button to activate the hibernation function, or press the "-" button to deactivate it. If the hibernation function is activated, the device will enter hibernation mode after 10 minutes of inactivity (the screen will display "..."). During this period, press any button to wake up the device and resume heating.
- The device will remain in hibernation mode for one minute before automatically powering off.
- If the hibernation function is deactivated, the device will maintain continuous heating until the battery is depleted.

Operation

TEMPERATURE CALIBRATION



- When the digital temperature reading deviates from the actual temperature, use the Temperature Compensation function to calibrate and synchronize them. (Requires powered-on state)
- Press and hold both "+" and "-" buttons simultaneously to enter Compensation Mode ($\pm 50^{\circ}\text{C}/\pm 90^{\circ}\text{F}$).
- Example: If the display shows 230°C but the actual soldering iron temperature is 200°C , adjust the compensation value to $+30^{\circ}\text{C}$ within the function. This increases the actual temperature by 30°C to match the displayed value.

Changing the soldering tip:



Specifications

Lithium battery:	4V 1800mAh
Charge time:	1.5 hours (approximately)
Charging method:	Type-C (PC, laptop or USB mains adaptor)
Rated Charging:	5V/2A DC
Rated power input:	8W
Max temperature	450 °C / 842 °F
Max continuous working time:	1 hour
Auto shut-off	Yes
Accessories included:	Stand, USB cable, tip-cleaning sponge, 1 tube bead-free soldering wire

Precautions



- Wear approved eye and hand protection.
- Read and understand these instructions.
- Caution: soldering tip gets very hot in use (450° C/).
- Ensure the work area is clean, uncluttered and there **are no** flammable or combustible materials near the work area.
- Do not leave tool unattended after use (fire hazard).
- Always place the soldering iron in its stand when not in use.
- Remove excess solder from the soldering tip on the cleaning sponge provided.
- Do not attempt to remove excess solder from the tip by shaking it - hot solder can land on skin and cause burns and blisters.
- Do not cool the tip by immersing in water.
- Do not allow pets or children into the area where the soldering iron is being used.
- If soldering tip is badly fitted or loose, the display will show "E-R" and will power off after flashing 5 times.
- Tool does not operate while it is being charged.
- Do not attempt to open, disassemble, modify or service the battery pack.
- Do not let the device get wet or use in damp or wet conditions.
- Do not expose to temperatures above 60°C (140°F).
- Keep device clean and store in a dry and secure area.
- Dispose of device according to relevant local authority guidelines.
- No liability is accepted for incorrect use of this product do not use the product for tasks it is not designed for. Use the product correctly and with care. Failure to do so may cause damage and/or personal injury and will invalidate the warranty.

Maintenance

- Before cleaning, please disconnect the device.
- Clean the equipment with a dry cloth.
- If you don't want to use this equipment for a period of time, please store it in a dry and ventilated place. Keep it out of reach of children.

Usage Notes

- Use the original 5V/1.6A charger to avoid circuit damage.
- Enable sleep mode to extend battery life.
- Use temperature calibration ($\pm 50^{\circ}\text{C}$) if temperature readings are abnormal.
- Cannot operate immediately when charging from low battery; wait until partially charged.

Disposal method

Waste electronic products should not be disposed together with household garbage. Please recycle where there are facilities. Please consult your local authority or retailer for recycling recommendations.



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