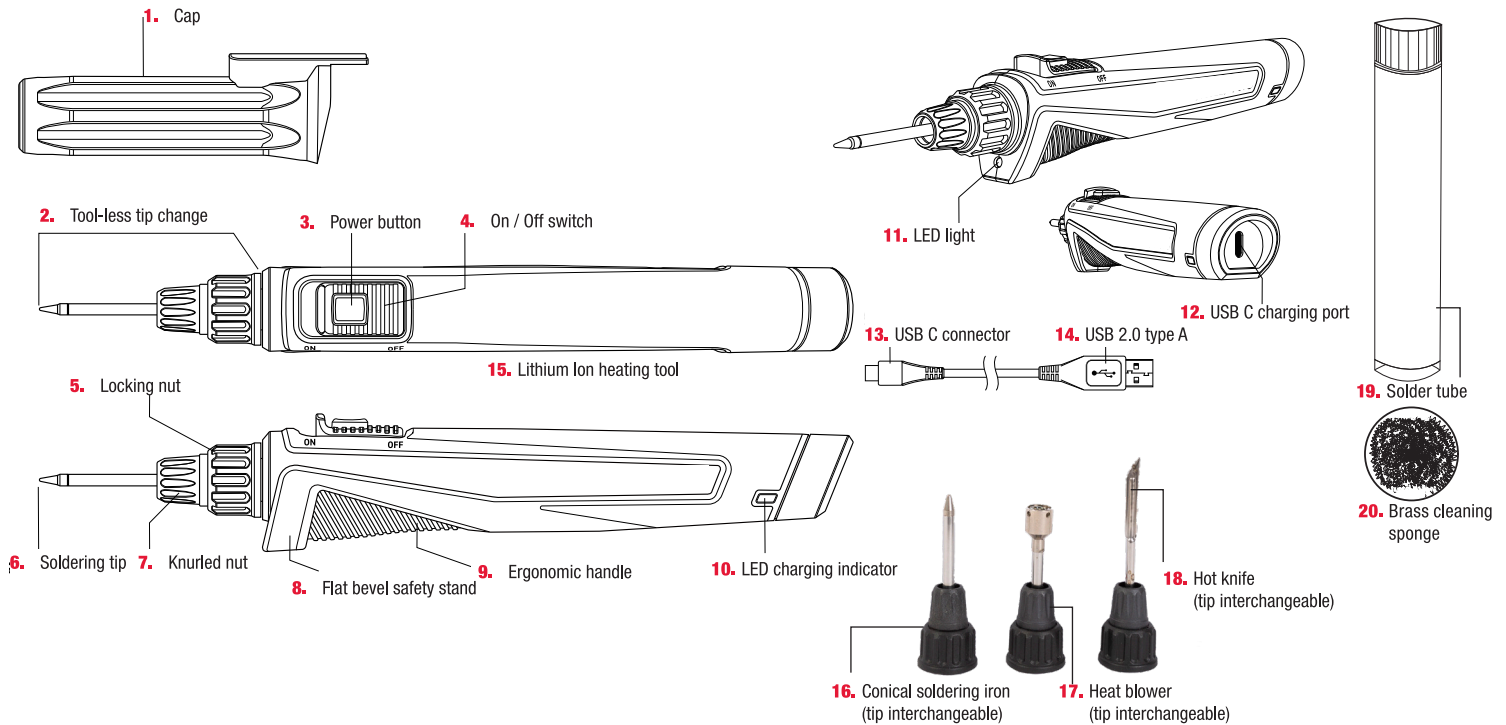


## PRODUCT MANUAL

### LITHIUM ION

### Soldering Kit

PART NO: 219145



### FEATURES

- Cordless, built in rechargeable 3.7V 30 W Panasonic Lithium Ion battery (2900 mAh)
- Interchangeable tips
- Co-moulded ergonomic handle
- USB 2.0 type A connector to USB port
- Panasonic 18650 Lithium-Ion Battery life warranty 1 year, CE & UL & RoHS & REACH certificated
- Fast start, ready to work in 8 seconds.
- LED illumination on your application
- Charging board protection: overcharging / over discharging / short circuit / ESD
- CE & FCC & RoHS certification

### CONTENTS

- Lithium Ion heating tool with conical soldering iron tip installed,
- 1 Heat blower (tip interchangeable)
- 1 Hot knife (tip interchangeable)
- 1 Solder tube
- Brass cleaning sponge
- Safety cap
- USB 2.0 type A connector to USB port
- Handy storage case

### SPECIFICATIONS

- **Max. temp:** 600°C (soldering tip), 900°C (heat blower)
- **Battery capacity:** 2900 mAh
- **Heat up time:** 8 Seconds
- **Operating run time:** 30 – 40 mins
- **Full charge time:** 4 hrs

### WARNING

**To avoid injury or damage only ignite the torch when clear of face, hand, clothing or combustible materials.**

**The tips become extremely hot during and after operation. Care must be taken to avoid accidental burns.**

**Ensure the flame is completely out after use.**

**Protect from direct sunlight. Do not expose to temperature above 50°C/122°F.**

**Contains flammable gas under pressure. Do not disassemble, puncture or incinerate after use.**

**Keep out of reach of children.**

## SAFETY WARNINGS

Your Tradeflame Lithium Ion Soldering Kit 219145 is a very safe tool and complies with all the relevant safety regulations in Australia. Nevertheless, like all electrical appliances, it must be handled with care. Read all safety warnings, instructions, illustrations and specifications provided with this Tradeflame Lithium Ion Soldering Kit. Failure to follow all instructions listed below may result in electric shock, and/or serious injury. Never forget that the tip and heater can reach high temperatures. Follow these simple safety rules at all times. Keep Tradeflame Lithium Ion Soldering Kit out of reach of children. This is not a toy and not intended for use by children 12 years old or younger without adult supervision. Keep your Tradeflame Lithium Ion Soldering Kit well away from all flammable material. To avoid burns, always assume that the tip is hot. Be sure the hot soldering tip and heater does not come into contact with the electric power cord. Before making any adjustment (removing or replacing a tip, etc.) make sure the Tradeflame Lithium Ion Soldering Kit is unplugged / switched off and cool. Do not dip the Tradeflame Lithium Ion Soldering Kit into any liquid. Always work in a well-ventilated area. After use, unplug/switch off the Tradeflame Lithium Ion Soldering Kit, allow the tip to cool, and store in a safe place. Safety goggles are recommended for preventing hot materials from injuring eyes. Save all warnings and instructions for future reference.

## WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate Soldering Kit in explosive atmo-liquids, gases or dust. Soldering Kits create sparks which may ignite the dust or fumes.
- This is not a toy and not intended for use by children 12 years old or younger without adult supervision.

## ELECTRICAL SAFETY

- Indoor use. Do not expose Soldering Iron to rain or wet conditions. Water entering a Soldering Iron will increase the risk of electric shock.

## PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a Soldering Iron. Do not use a Soldering Iron while you are tired/distracted or under the influence. A moment of inattention while operating a Soldering Iron may result in serious personal injury.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off position before picking up or carrying the Soldering Iron.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the Soldering Iron in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- Do not let familiarity gained from frequent use of the Soldering Iron allow you to become complacent and ignore Soldering Iron safety principles. A careless action can cause severe injury within a fraction of a second.

## MAINTENANCE/SERVICING

Serviceable components: N/A

Servicing instructions: N/A

## USE AND CARE

- Do not force the Soldering Iron. Use the correct Soldering Iron tip for your application.
- Disconnect the plug from the power source and/or turn off the battery of the Soldering Iron before making any adjustments, changing accessories, or storing. Such preventive safety measures reduce the risk of starting the Soldering Iron accidentally.
- Store idle Soldering Iron out of the reach of children and do not allow persons unfamiliar with the Soldering Iron or these instructions to operate the Soldering Kit. The Soldering Iron is dangerous in the hands of untrained users.
- Maintain Soldering Iron and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the Soldering Iron's operation.
- Use the Soldering Iron, accessories and Soldering Kit bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the Soldering Iron for operations different from those intended could result in a hazardous situation.
- Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the Soldering Iron in unexpected situations.
- Do not expose a Soldering Iron to fire or excessive temperature. Exposure to fire or temperature above 130°C (265°F) may cause explosion.
- Do not attempt to use the Soldering Iron on materials likely to melt (plastic, synthetics or imitation leather).

## SPECIFIC SAFETY RULES FOR LITHIUM ION SOLDERING KITS

- Contact with a hot tip could ignite flammable materials. Contact with a hot tip could ignite a fire.
- While in use do not stand or store Soldering Iron on its side. Soldering Iron could tip resulting in contact between hot tip and flammable materials. Always set/store Soldering Iron on stand provided.
- Do not place Soldering Iron in coil stand.
- Keep hands clear of the tip serious burns can occur if skin contacts tip
- Work in well ventilated areas, as Soldering Iron can produce fumes and smoke.
- Use personal protective equipment when using.
- This Soldering Kit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your Soldering Iron, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products etc., can cause a short circuit.
- To reduce the risk of injury, always wear safety goggles or glasses with side shields. Keep hands and fingers behind finger guard. Serious burns could occur if skin contacts a hot tip.

## CHANGING THE TIP

Ensure the tip is cool and Soldering Iron is switched off before touching the tip as serious burns could occur to skin if touched.

1. Unscrew the tip by rotating locking nut counter-clockwise direction.
2. Screw in new tip rotating locking nut clockwise (Fig.1) – making sure not to over tighten.

## GETTING STARTED

1. Set up a safe work area.
2. Have a fireproof container like a glass dish or metal lid to hold your various tips while they are cooling.
3. Slide on/off switch to on position (Fig.2).
4. Press and hold the Power Button. The LED light will illuminate indicating the iron is on. Allow tip to reach working temperature (about 8 seconds).
5. Apply a small amount of solder to tapered surface of tip.
6. Tin wires by heating the bare wire and allowing a small amount of solder to flow onto the tip of the wire.
7. Touch the tapered surface of the tip (not the point) to the joint to be soldered. Heat joint and allow heat from joint to melt solder.
8. Allow a small amount of solder to flow into the joint.
9. To ensure a strong joint, do not touch or move the joint until it has cooled completely.

NOTE: The tip assembly can be turned to any desired angle by turning black Knurled Nut. Use pliers to adjust to avoid touching tip.

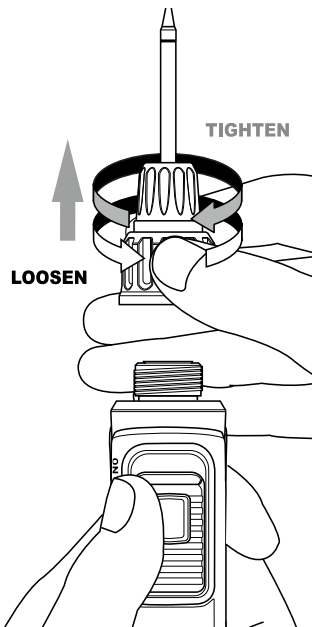


FIG. 1

## CHARGING

1. Connect the Type C USB connector to the Micro USB port at the end of the Soldering Iron.
  2. Connect USB A connector to a computer USB A port or USB A wall charger.
- Charge battery for at least 3.5 hours before use.
  - The LED indicator light will turn to green when fully charged (Fig. 3).

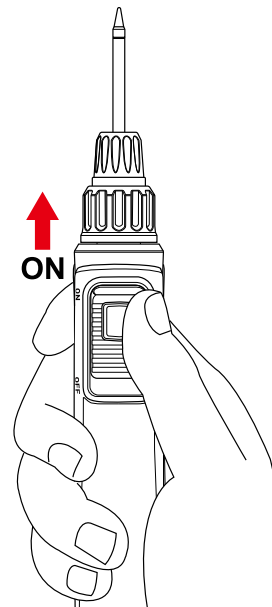


FIG. 2

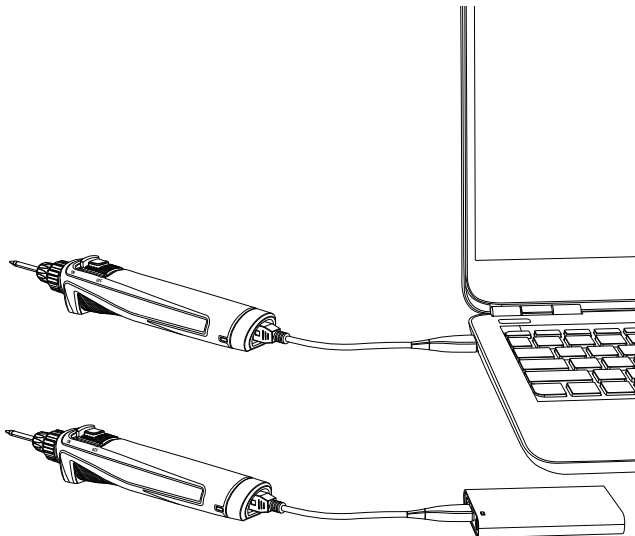


FIG. 3