

TOPEX®

SKU:TXSI4V066

TX066

OWNER'S MANUAL

4V MAX SOLDERING IRON



Thank you for buying this **4V MAX SOLDERING IRON!**
Please read this manual carefully before using the product.

DESCRIPTION OF SYMBOLS

v	Volts	Hz	Hertz
	Read Instruction Manual		Warning
	Class III appliance		Read Operator's manual
	Short-circuit-proof safety isolating transformer		Switch mode power supply unit
	Indoor use only		Protection class II (double insulation)
	Regulatory Compliance Mark (RCM)		Warning of electrical voltage and shock
	USB output terminals connection		Electrical products must not be disposed with the domestic waste.



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.

3. PERSONAL SAFETY

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

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. Battery tool use and care

a. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

b. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

c. When battery pack is not in use, keep it away from other metal objects, like paper clips, 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 burns or a fire.

d. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

6. 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.

SPECIAL SAFETY INSTRUCTIONS

⚠ Risk of fire! When putting the soldering iron down, make sure that the hot tip does not come into contact with combustible materials. Do not leave the device unattended while it is hot. Allow it to cool down before you store it away.

⚠ The soldering tip reaches temperatures of about 480°C. Touching the metal parts can cause severe burns.

⚠ The device must always be placed on a non-combustible surface when it is not in use. There is a potential fire hazard.

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Always turn the device on before it comes into contact with the material that is to be worked on.
- Vapours which are harmful to health are produced during the soldering process. Ensure good ventilation or suitable vapour removal.
- Protect your eyes with safety goggles and your body with suitable working clothes against solder splashes and corrosive vapours.
- The device must never be used for heating up liquids or plastics.
- Never leave the device unattended when it is switched on.
- WARNING! This tool must be placed on its stand when not in use.
- This tool must be placed on its support when not in use.
- Use only the battery charger supplied.
- The appliance cannot be used to weld plastic material
- Ask our service centre to carry out any work that is not described in these instructions. Use only original parts.

Special safety instructions for battery-operated tools

a) Recharge the batteries indoors only because the battery charger is designed for indoor use only.

b) To reduce the electric shock hazard, unplug the battery charger from the mains before cleaning the charger.

c) Do not subject the battery to strong sunlight over long periods and do not leave it on a heater. Heat damages the battery and there is a risk of explosion.

d) Allow a hot battery to cool before charging.

e) Do not open up the battery and avoid mechanical damage to the battery.

Risk of short circuit and fumes may be emitted that irritate the respiratory tract. Ensure fresh air and seek medical assistance the event of discomfort.

f) Do not use non-rechargeable batteries!

g) The battery must be removed from the appliance before it is scrapped.

h) The appliance must be disconnected from the supply mains when removing the battery.

i) The battery is to be disposed of safely.

Special safety instructions for charger

- This charger can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the charger in the safe way and understand the hazards involved. Children shall not play with the charger. Cleaning and user maintenance of the charger shall not be made by children without adult supervision.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Only use the provided charger to charge the device.
- Never charge the non-rechargeable battery.
- During charging the batteries must be placed in a well-ventilated area.
- Keep the charger clean and away from the wet and rain. Only use the charger indoors.
- Avoid the mechanical damage to the charger.
- Do not operate the charger on a combustible surface (e.g. paper, textiles). Risk of fire due to heating during charging.
- The battery is only partially pre-charged upon delivery and must be fully charged up before being used for the first time. For the first charge it is recommended that the battery should be charged up for approximately 2 hours. Insert the soldering iron into the base and connect the charger to the mains.
- Remove the mains plug when the battery is fully charged and disconnect the charger from the device. The charging time is about 2 hours.
- The appliance must only be powered by a very low safety voltage corresponding to the marking on the appliance.
- The 151592.02 battery charger must only be used for recharging the batteries of the 151592.01 model.

4V MAX SOLDERING IRON

SPECIFICATIONS

Power	Max 8W
Rated voltage	4V d.c.
Temperature	Max. 480 °C
Battery Capacity	1800 mAh
Heat Up Time	12 SEC
Weight (without charger)	0.25kg

OPERATION

Setup

1. Unpack the unit carefully. Place the soldering iron station (6) on the table/flat surface. And put the soldering iron into the station (6) and ensure that it is firmly in place.

2. Fit the sponge (9) on the soldering iron station (6); add an appropriate amount of water into sponge to make it absorb water and keep the sponge damp at all the times.

Charging process

⚠ Do not expose the battery to extreme conditions such as heat and shocks. There is a risk of injury caused and by leaking electrolyte solution! In the case of contact, rinse with water or neutraliser. Seek medical advice if the solution has come into contact with the eyes etc. The battery must only be charged up in dry areas.

⚠ The device cannot be used while it is being charged.

1. Connect the USB charging cable (7) to the charging socket of the soldering iron (5) and to the charger (8).

2. Insert the mains plug of the charger (8) into a wall socket. The battery level indicator (4) turns up:

Battery Level Indicator:

Red indicator lights:30%electricity;

Green indicator 1 lights:60%electricity;

Green indicator 2 lights:100%electricity;

3. The recommended charging time is 2 hours.

If the LED indicator light is red and flashing, means there is problem on the battery. Stop charging and send it to Service Centre to get repaired.

4. After charging, first remove the mains plug of the charger (8)

from the socket. Then remove the USB charging cable (7) from the soldering iron.

Installing /replacing the soldering tip

⚠ Make sure that the soldering iron is turned off and cold.

1. To install the soldering tip, hold the soldering iron and screw the soldering tip (1) tightly into the soldering tip holder (2)

2. To replace the soldering tip (1), unscrew the soldering tip (1) that is already inserted and take it off, then screw the new soldering tip (1) into the soldering tip holder (2).



- 1 Soldering tip
- 2 Soldering tip holder
- 3 On/off switch
- 4 Battery level indicator
- 5 Charging port of the soldering iron
- 6 Soldering iron stand
- 7 USB charging cable
- 8 Charger
- 9 Sponge
- 10 Solder $\Phi 1.0\text{mm}$
- 11 Solder $\Phi 1.5\text{mm}$
- 12 LED working light
- 13 Operation indicator
- 14 Touch sensor button

Switching on and off

⚠ Caution, danger of burns! Do not touch the hot soldering tip!

When starting work:

1. Take out the soldering iron from the soldering iron stand (6). For the first time, the touch function needs to be activated. Press the on/off switch(3) for 3 times continuously, the operation indicator(13) is flashing red and the touch function is turn on.
2. Hold the soldering iron in your hand like a pen.
3. Position on the on/off switch(3), the battery level indicator(4) turns on.
4. Place your thumb on the touch button (14), the operation indicator(13) turns red at first, 12 seconds later, the operation indicator (13) turns green, the soldering tip is heating up. And the 2 LED working lights (12) turns on to bright up the working area. Then the user can operate the soldering iron.
5. The soldering tip has reached a working temperature of approx. 480°C.
6. The soldering tip will automatically shut down after 120 seconds when it is not in use, and the battery level indicator (4) and the 2 LED working lights (12) turn off.
7. Repeat step 2 to 5, continue to use the soldering iron.

Switching off

1. Press the on/off switch(3) for 0.3 seconds to turn off. Make sure that the hot soldering tip (1) does not touch anything until it has cooled down.
2. Cleaning the solder tip on the wet stand (6).
3. Put the soldering iron back on the soldering iron stand (6).

Reset Touch function

Press the on/off switch(3) 6 times continuously, the green light of the operation indicator(13) flashes, and the reset of the touch function is completed.

Touch reset is a function of readjustment to the environment when the touch fails due to external interference (When touching to open or reset, do not place your finger around the touch button, or it will not work)

Turn off the touch function

Press on/off switch(3) 8 times continuously. When the operation indicator(13) turns red, the touch function is closed.

Working Instructions

- In order to obtain a perfect soldering point, the soldering point must be completely clean and free of grease.
- Before initial use, the soldering tip has to be tin-coated, i.e. coated with soldering tin. Only good tin coating ensures perfect soldering and heat transfer.
- Make sure that the soldering tip is always clean and free of scaling and excess soldering tin. Clean the soldering tip regularly with a wet sponge. Never use a file for this purpose.

- Before soldering, establish a mechanical connection between the metals which are to be connected together if possible. For example, twist the wires together so that they do not slip. In this way you will obtain stable soldering points and avoid heat damage through excessive soldering.

- For the soldering of two metals, hold the soldering tip on the connection point and briefly add some solder. The solder melts and flows into the soldering point. If the tin has spread, remove the soldering iron and allow the soldering point to cool down without vibrations. Never heat solder directly and do not use too much solder.
- In the case of electronic components, the parts to be soldered must not be heated too much in order to avoid damage.
- Place the soldering tip on a heat-resistant surface or insert it into the station during working.
- Cleaning the solder tip on the wet sponge after work and put the soldering iron back into the station.

CLEAN AND MAINTENANCE

⚠ Ask the service centre to carry out any work that is not described in these instructions.

- Use only original parts.
- Before you begin any work on the device, make sure the on/off switch (3) is off
- Risk of burns and electric shock

The following cleaning and servicing should be done regularly. This will ensure a long and reliable service life.

Cleaning

⚠ Do not spray the appliance with water and do not immerse it in water. Electric shock hazard!

⚠ Do not use cleaning agents or solvents. You may otherwise irreparably damage the appliance.

- Wipe off the warm soldering tip (1) after use on a damp sponge.
- Never scrape or file any solder residues off the soldering tip with hard objects, as this will damage the soldering tip (1).

Maintenance

Prior to every use, check the appliance for obvious defects such as loose, worn or damaged parts. Replace as necessary.

STORAGE

- Clean the equipment before putting it away.
- Allow the device to cool down completely before you store it away.
- Store the device in a dry, frost-free and dust-protected location out of the reach of children.

TROUBLESHOOTING

Problem	Possible cause	Corrective action
Soldering tip (1) does not heat up	Battery is flat/C	Charge the battery
	Touch heating function not enabled	Press the on/off switch(3) for 3 times continuously to turn on the touch function
	USB charging cable (7) or charger (8) faulty	Repair by Service Centre
Temperature at the soldering tip (1) too low	Soldering tip (1) loose	Tighten the cold soldering tip (1) hand-tight with the switch in the off position
	Soldering tip (1) faulty	Repair by Service Centre

CARING FOR THE ENVIRONMENT



Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

WARRANTY

Your warranty form should be retained by you at all times. In order to make a claim under this warranty you must return the product with your receipt of purchase. Prior to returning your product for warranty, please contact us via our after-sales support services.

EMAIL: support@topto.com.au

1 YEAR REPLACEMENT WARRANTY

Your product is guaranteed for a period of 12 months from the original date of purchase and is intended for DIY (Do It Yourself) use only. If a product is defective, it will be replaced in accordance with the terms of this warranty. Warranty excludes consumable parts, for example: driver bits.

WARNING

1. The following actions will result in the warranty being void.

Professional, Industrial or high frequency use.

2. If the tool has been operated on a supply voltage other than that specified on the tool.

3. If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.

4. Failure to perform maintenance as set out within the instruction manual.

5. If the tool is disassembled or tampered with in any way.

How to get 1 extended year warranty?

This product comes with 1 year replacement warranty. However, you may get 1 extra year warranty with conditions. Please ask for detail by sending an email to support@topto.com.au

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CUSTOMER SERVICE
& PARTS

Contact: support@topto.com.au