

# DOSS Soldering Iron Instruction Manual

Model: ZD401



**Rating: 220-240Vac 50Hz 30W Class I**  
**Approval No. TUV023854EA**

## **APPLICATION:**

Radio controls, hobbies and crafts, small electrical parts, etc

## **ATTENTION:**

On first time use the soldering iron may produce smoke, this is just grease used in manufacturing burning off, It is normal and should only last for approx. 10 minutes. It is not harmful to the product or user.

## **CARE OF THE TIP:**

- Always keep tips tinned to ensure a long service life.
- Do not keep the iron at high temperature for a long time
- Never clean the tip with coarse materials
- Never cool in water.
- Remove the tip and clean every twenty hours of use, or at least once a week, and remove any loose build up in the barrel.
- Do not use fluxes containing chloride or acid. Use only rosin or activated resin fluxes.
- Do not use any compound or anti-seize materials
- Handle the heated soldering iron with extreme care, as the high temperature of the iron can cause fires or painful burns.

- Never file the specially-plated tip.

#### **MAINTENANCE:**

- This tool must be placed on its stand when not in use.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid hazard.

- **HOW TO SOLDER:**

- 1) Clear any dirt, rust or paint on the part you wish to solder.
- 2) Heat the part with the soldering iron.



- 3) Apply rosin-based solder to the part and melt it with the soldering iron.
- Note: when using non-rosin-based solder, be sure to apply a soldering paste to the part before applying the solder.



- 4) Wait for the solder to cooling and hardened before moving the soldered part.



#### **TIP REPLACEMENT**

Note: Tip replacement or cleaning should be done only when the iron is at room temperature or below.

After removing tip, remove any oxide dust that may have formed in the tip retaining area of the barrel. Be careful to avoid getting dust in your eyes. Care should be taken not to over tighten as this would damage the element.

#### **GENERAL CLEANING**

The outer case of the iron or station may be cleaned with a damp cloth using small amounts of liquid detergent. Never submerge the unit in liquid or allow any liquid to enter the housing. Never use solvent to clean the case.

#### **WARNING INSTRUCTIONS:**

- The appliance is not a toy, and must be kept out of children's hands.
- Before cleaning the appliance or changing the filter, always remove the power lead plug from the socket. Unscrewing the housing is not permitted.
- This appliance 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.
- Children should be supervised to ensure that they do not play with the appliance.
- 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.

**Note: This instruction is also available to download from the distributor's website:**

[www.doss.com.au](http://www.doss.com.au).