Ersa i-CON 2 & i-CON 2V

Soldering station

Quick guide

Ersa GmbH
Leonhard-Karl-Str. 24
97877 Wertheim/Germany
www.ersa.com

Phone +49 9342/800-0
Fax +49 9342/800-127
service.tools@kurtzersa.de

kurtz ersa

1. Introduction

This quick guide can be consulted during i-CON 2 operation.

This quick guide does not replace the operating instructions contained in the CD supplied with the product!

Read the operating instructions carefully before using the device for the first time. Be sure to observe the safety precautions contained therein! Keep all of the instructions in a safe place which is accessible to all users at all times!

1.1 Meanings of symbols

The following symbols are used in this quick guide:

These mark the sections of the text containing explanations, information or tips.

- This symbol identifies
- The activities that the user needs to carry out, or
- The instructions that need to be strictly followed.

2. Commissioning

2.1 Unpacking the soldering station

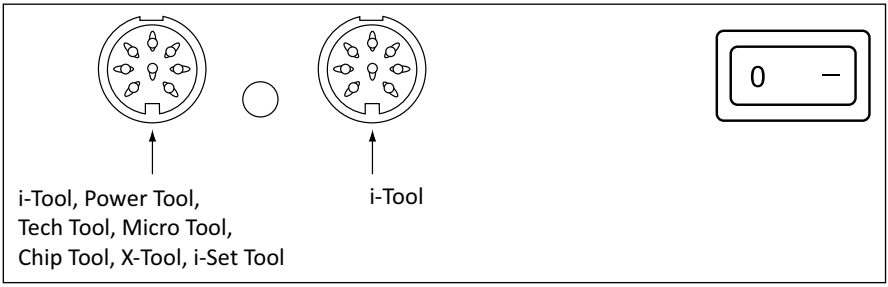
Make sure the packaging contains all of the contents by comparing them with the delivery note. If any of the listed elements are damaged or missing, contact the supplier.

2.2 Positioning the soldering station

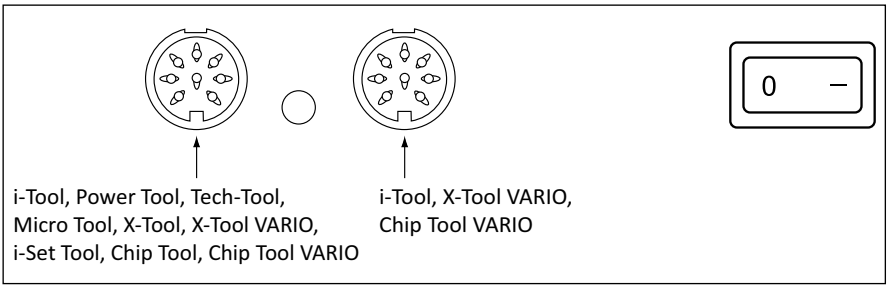
- Position the soldering station in a dry location, on a flat surface. Set the tool holder up next to the soldering station.
- Before switching it on, make sure the mains voltage matches the value on the plate.
- Make sure the soldering iron tip is in the correct position.
- Turn the soldering station off from the mains switch.

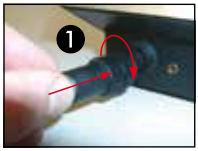
Two soldering irons can be connected to soldering station i-CON 2. Accordingly, observe the following illustration:

i-CON 2:

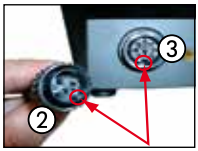


i-CON 2V:





- Connect the soldering iron to the station ❶. For this purpose, insert the male connector into the female connector and lock them shut. Place the soldering iron on the soldering stand.
- Ensure that the male connector is inserted correctly into the female connector. The pin ② in the male connector must match up with the groove ③ on the female connector.



- Connect the power supply cable to the soldering station and power outlet.
- Turn the soldering station on.

Attention! Danger of burns! The soldering iron tips heat up immediately after the device is switched on!

3. Description of operation

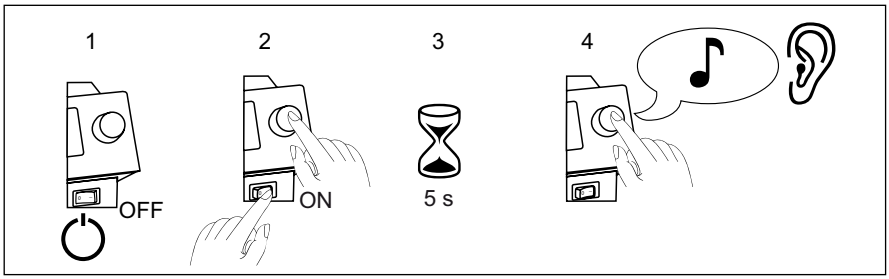
3.1 Use

The soldering station is turned on/off from the switch installed on the front ①. When the soldering station is on, the switch lights up red.
The soldering station is controlled by a rotary transducer ② with key function (i.e. press). This is called the i-OP. The i-OP is used to select the desired functions and change the values. Turning it to the right increases the value, whereas turning it to the left lowers it.
Turning it slowly changes the value one unit at a time. Turning it quickly changes the selected values by 10/50/100 units (based on the respective parameters).
The i-OP can also be additionally equipped with a key function. Through this key function (by pressing it), the selected parameters and values are confirmed and therefore activated for the station. Through this key function, it is also possible to alternatively select the connected tools. All of the settings and all of the measurement values are clearly displayed in text, in a display window referred to as the "display".

3.2 Language selection

To select the required language, do the following:

- Switch off the soldering station.
- Press the i-OP and hold it down.
- Turn the soldering station back on.
- Hold the i-OP down until you hear a beep.



- Select [Change] by turning the i-OP.
- Select the item from the [Language] menu.
- Press the i-OP.
- Select the required language by turning the i-OP.

- Press the i-OP.
- Select the item from the [** END **] menu and then press the i-OP. The language has been changed.

3.3 Selecting the soldering iron

- Select the required soldering iron by pressing the i-OP. Pressing the i-OP again will turn on the soldering iron connected to the left or to the right.

3.4 Setting the temperature

- Set the required temperature on the soldering iron tip by turning the i-OP.
- Press the i-OP to confirm the setting.

3.5 Soldering

- Perform a few trial runs.

If the result is not satisfactory, the parameters can be adapted to your needs. To this regard, reed the following paragraphs.

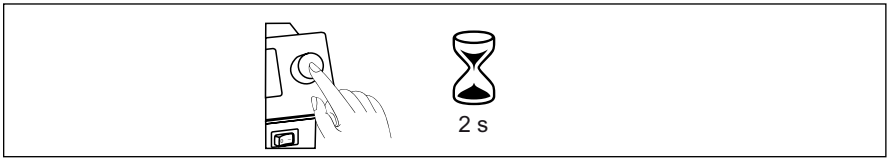
4. Operating modes

4.1 Work mode

When the station is switched on, an activation dialogue will appear for approximately 2 seconds. The i-CON 2 station identification ① and software version ② will be displayed. Lastly, the station will automatically switch to work mode.

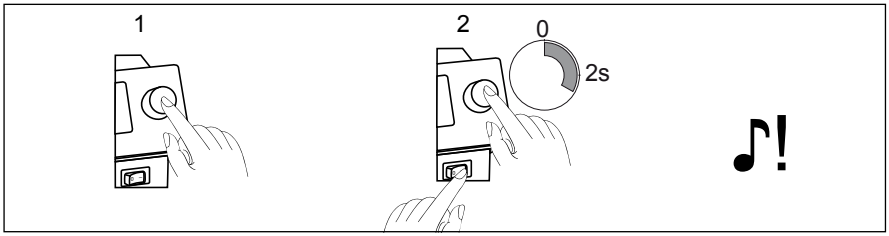
4.2 Parameter mode

Press and hold the i-OP down for approximately 2 seconds to activate the parameter mode for the soldering iron.



4.3 Configuration mode

Switch to configuration mode by pressing the i-OP for 5 seconds when the i-CON 2 is switched on.

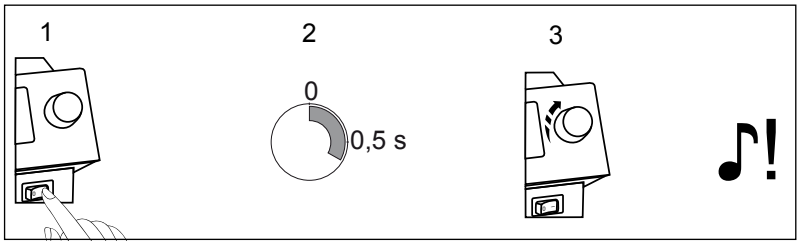


By turning and pressing the i-OP, the station can either be configured or the factory setting can be re-applied.

4.4 Contrast

Do the following to adjust the display contrast individually based on the work environment:

- Turn the station on and immediately turn the i-OP. This will activate the contrast mode:



The buzzer tells you that the contrast mode is on.

- Adjust the contrast as needed by turning the i-OP.
- Confirm your choice by pressing the i-OP.

5. Editing parameters

To edit the value of a parameter, do the following:

- Press the i-OP to turn on the soldering iron that you wish the edit the parameters on.
- Press and hold down the i-OP for approximately 2 seconds.
- Select the required parameter by turning the i-OP.
- Turn the cursor on by pressing the i-OP. If you press it again the cursor will switch off.

When the cursor is on, the value of the parameter is changed by turning the i-OP.

6. Troubleshooting

6.1 General errors

If the soldering station does not perform according to expectations, check the following points:

- Is there power from the mains? Connect the power cable to the device and to the power outlet correctly.
- Is the fuse faulty? The fuse is at the back of the device, in the mains connection socket.
- Note that a faulty fuse can also indicate a more serious error. Therefore, simply replacing the fuse is generally not sufficient.
- Is the soldering tool correctly connected by the power supply unit?
- in the mains connector at the back.

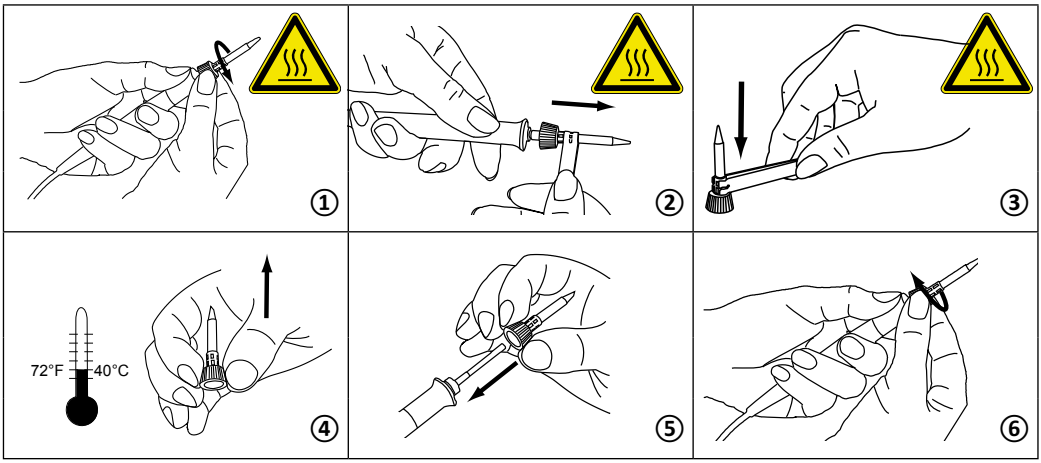
6.2 Error messages

i-CON 2 diagnoses errors automatically. The result of the diagnosis is expressed with an error code: In this case a triangular pictogram ① appears on the display of the soldering station. The error code ② will be displayed as a number between 2 and 99.

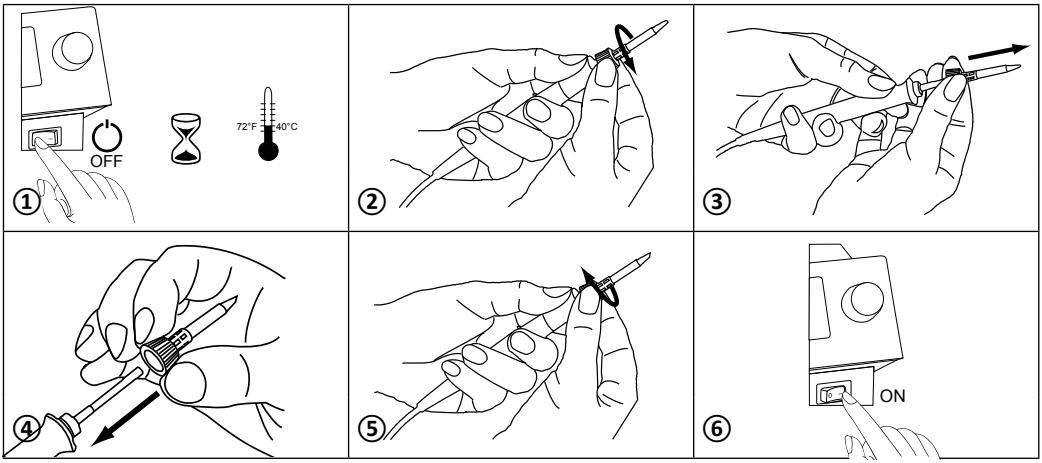
Also, a reference text appears on the bottom line ❸. The error codes can be found in the relative error codes table provided in the operating manual. Error messages must be acknowledged through the i-OP. The connected soldering station will only heat up again once the problem is eliminated and recognised.

7. i-Tool

7.1 Replacing the hot tip of the soldering iron



7.2 Replacing the cold tip of the soldering iron



8. Warranty

Heating and tips for soldering and unsoldering are subject to wear and are not covered by warranty. Faults relative to materials or manufacturing must be reported in writing, along with proof of purchase, before any return of goods, which must be authorised.

Ersa has taken great care in preparing this operating manual. Nonetheless, we cannot be held liable whatsoever for the contents, the completeness and the quality of the information contained in this manual. The contents are prepared and continuously updated based on the current situation.

All of the data published in this operating manual and all information on products and processes have been supplied, to the best of our knowledge and belief, through the use of technologically advanced tools. This information is not binding and does not relieve the user of the requirement of running tests before using the device. We will not be held liable whatsoever for any violations to the rights safeguarding third parties due to applications and operating modes that are not expressly and preventively authorised in writing. We reserve the right to make technical changes for the purpose of product improvement. Pursuant to the regulatory framework, we are relieved from liability for direct damage, indirect damage and damage to third parties deriving from the purchase of this product.