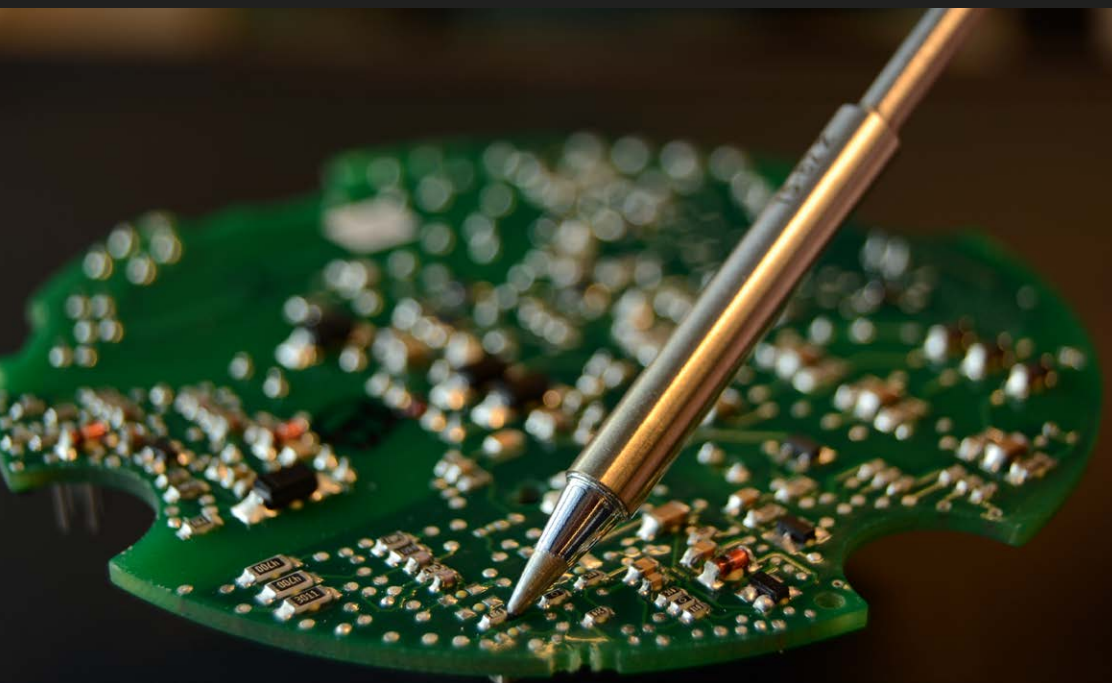
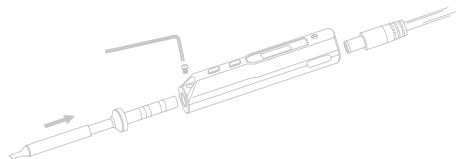
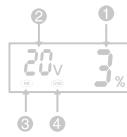
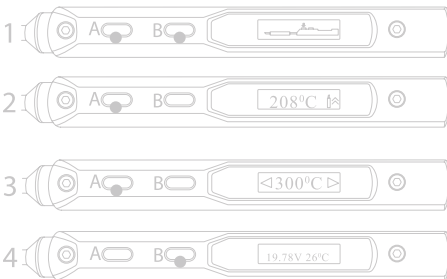
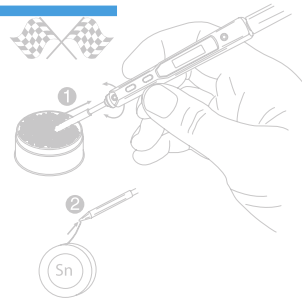
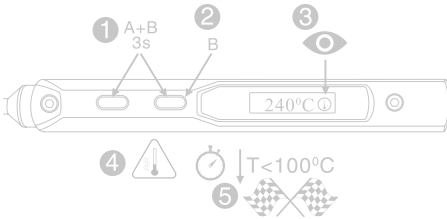
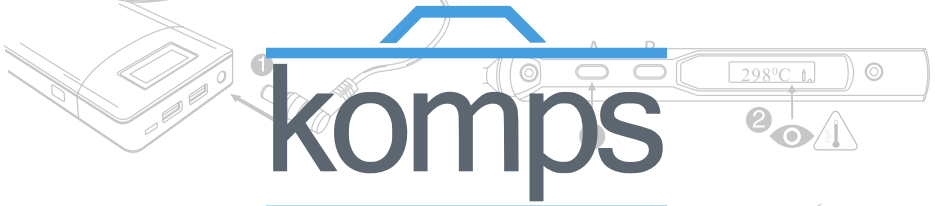
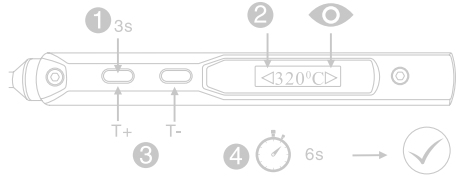
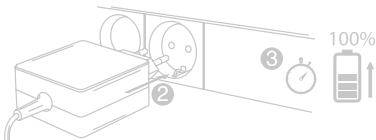
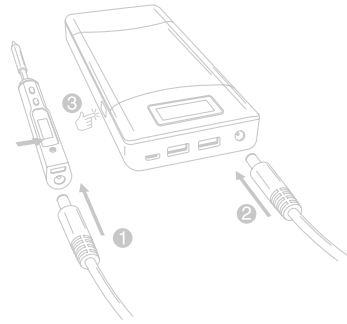
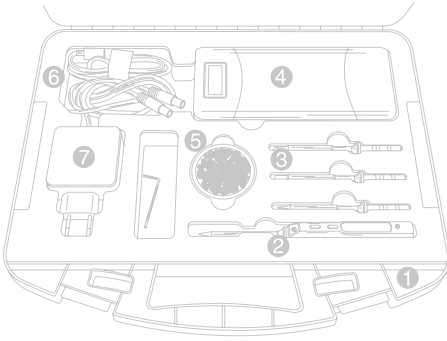


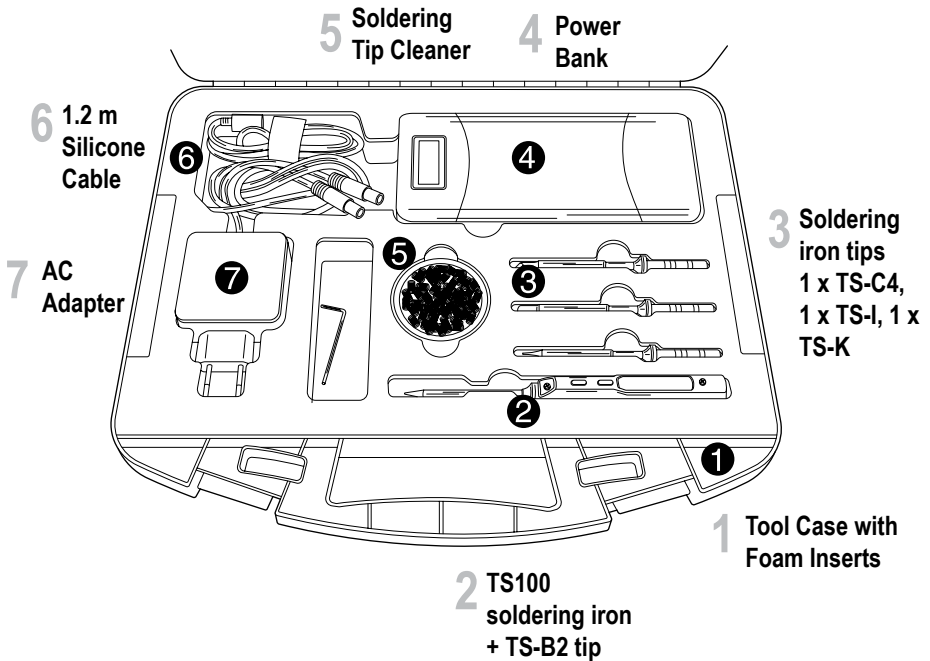
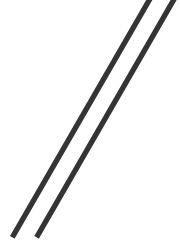
KOMPS K5100 SOLDERING SET
USER GUIDE





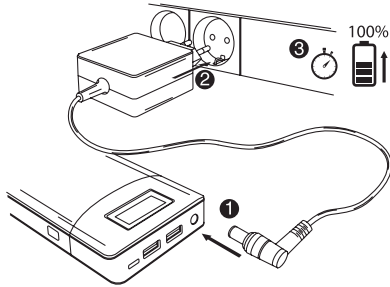
Toolset

contents

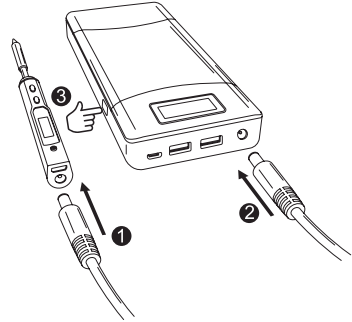


Quick start

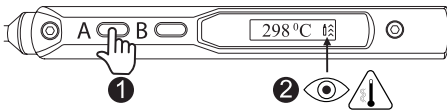
Charge ▶



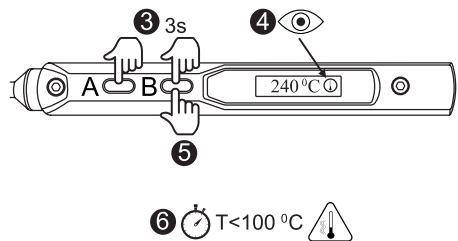
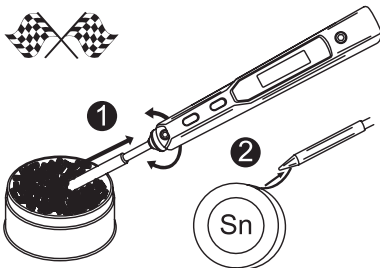
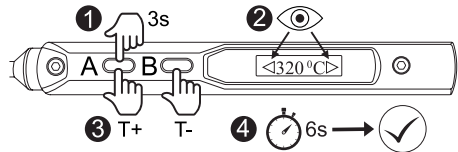
Connect ▶



Start ▶



T+ / T- ▶



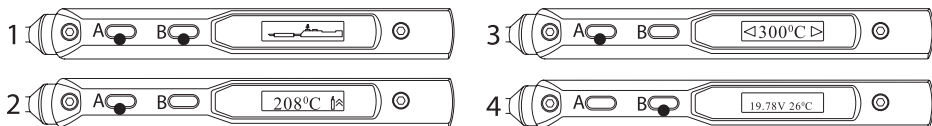
DO NOT PUT THE IRON IN ITS FOAM SOCKET BEFORE IT HAS COOLED DOWN TO AT LEAST $100\text{ }^\circ\text{C}$!
DO NOT CLOSE THE CASE LID BEFORE THE IRON HAS COOLED DOWN TO ROOM TEMPERATURE!

Usage Instructions

soldering iron

The soldering iron has two control buttons: A and B, and an OLED display.

When the power supply is connected, the iron will start in the standby mode (1).



HEATING MODE

Pressing button A will switch on the heating mode. The soldering iron will heat the tip to the default working temperature (300°C). The current temperature will be shown on the display (2).

TEMPERATURE SETPOINT

To raise or lower the temperature, hold one of the buttons until arrows will appear on each side of the temperature value (3). Release the button, and click (or hold) the buttons A or B to change the temperature setpoint. Release the buttons and wait until the iron will return to the heating mode.

STANDBY / COOLDOWN MODE

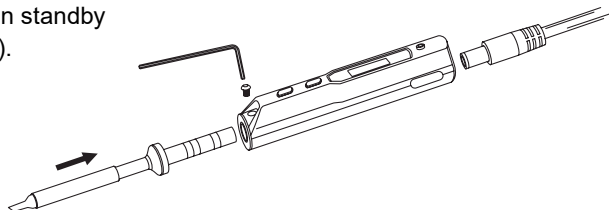
To go to cooldown mode (heater off) when in heating mode, hold down both buttons at the same time until the iron goes to standby mode (1). The iron will now gradually cool down. To see the current tip temperature while in standby mode, press button B once (4).

SETTINGS

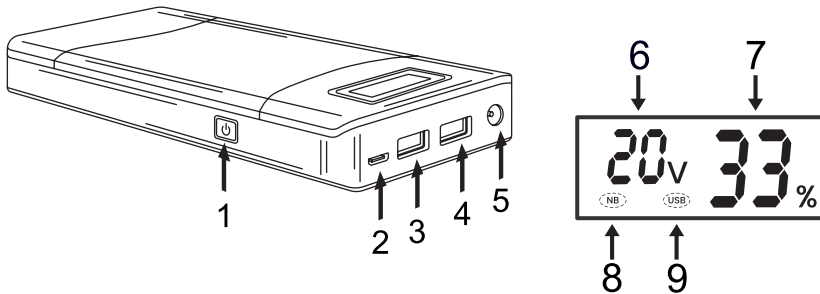
When in temperature display mode (4), press either of the buttons to cycle through the list of configurable settings. To modify a setting, hold down either of the buttons until arrows appear on both sides of the setting value. Release the button and click the buttons A or B to modify the setting value. To confirm the value, release the buttons and wait until the arrows around the value disappear. To reset to the factory settings, navigate to the “Factory Reset” setting. Hold either of the buttons until the success message appears. Settings are now reset to the factory defaults.

CHANGING SOLDERING TIPS

Use the hex key supplied with the tool set to release the tip, and pull it out of the soldering iron body. Replace with another tip and secure it with the hex key.



power bank



The power bank has one control button on its side (1), a micro-USB input port (2), USB 2.1 A output port (3), USB QC2.0 output port (4), the 12 - 22 V input/output port “NB” (5), and a LED status display.

POWER ON

Press the button (1) to switch on the power bank. The display will show the voltage setting (6), the remaining charge level percentage (7), and the NB and USB port states (8, 9). When first switching on the power bank, both NB and USB ports will be switched on - icons 8 and 9 will show “NB” and “USB” respectively.

POWER OFF

Press the button (1) again to turn off the NB port - the NB icon (8) will be cleared. If there is a USB load connected, the power bank will stay on until the load is disconnected, otherwise it will turn off after a while.

AUTO-OFF

The USB port will automatically turn off after a while if there is no load connected to the USB port. The NB port will turn off automatically if there has been no load (<5W) for a longer period.

VOLTAGE SELECTION (ADVANCED)

The power bank output voltage setting can be changed to limit the output power or to use it with devices other than the soldering irons, e.g. laptops.

To select the voltage mode, hold down the button (1) until the voltage display (6) will flash. Now click the button to cycle through available voltage levels. To confirm the selection, release the button and wait until the voltage display stops flashing. Now press the button once more to turn on the NB port.

Maintenance guide



In order to maintain the tool set equipment at a good condition and maximise its lifetime, please follow the guidelines described in this section.

SOLDERING IRON

- Clean the tip using the supplied tip cleaner and apply fresh solder when finished soldering, and as often as necessary during a soldering job.

Doing so will prevent unwanted oxide layer accumulating on the tip, and will help to maximize its lifetime.

- Avoid pulling the power cable by force sideways to the iron!
This will help to prevent premature wearout of the cable socket.
- Do not use in high humidity or wet conditions, do not operate with wet hands.

The soldering iron is not waterproof and high humidity can cause damage to the device or shock the operator!

POWER BANK

- Always make sure to switch off the power bank when not in use!
Although the power bank will turn off automatically after some time if there is no load present, switching it off earlier will preserve some of the battery charge.

- Do not leave the power bank in direct sunlight for extended time period, near fire or anywhere where high temperatures are present.

The power bank contains Lithium-Ion batteries, which may overheat at abnormally high ambient temperatures, especially when under load. Overheating reduces the lifetime of the battery cells and in extreme cases can cause cell failure and fire.

- Do not use in high humidity or wet conditions, do not operate with wet hands.

The power bank is not waterproof and high humidity can cause damage to the device or shock the operator!

AC ADAPTER

- We recommend to use the included AC adapter only for charging the included power bank or as the power supply for the soldering iron.

The AC adapter can get hot when under high load for long period of time!

ACCESSORIES

- Clean the accessories and the case periodically, according to frequency of use!

Loose solder particles in the case can get into the electronics and cause a short-circuit or other failure.

Technical data

SOLDERING IRON

Temperature range	100°C - 400°C
Output power	65 W max
Supply voltage range	12 V - 24 V
Power socket	DC5525 (5.5 mm x 2.5mm)
Heater element	Heater and sensor in each exchangeable tip
Controls	Buttons (A and B)
USB socket	Micro-USB
Extra functions	Accelerometer-driven sleep mode, configurable settings
Safety features	Overvoltage protection, overheating warning
Display	OLED
Weight	~33 g
Dimensions	D=17 mm, L=96 mm (168 mm with tip installed)

POWER BANK

Capacity	15600 mAh (57.7 Wh)
Output	USB 5V: 2.1 A max USB QC2.0: 5 V -> 2.1 A max 9V -> 2 A max 12 V -> 2 A max NB (DC5525): 12 V - 22 V -> 50 W (65 W max)
Input	Micro-USB: 5 V -> 2.1 A max NB (DC5525): 13 V - 20 V -> 3 A max
Charge time	Micro-USB: ~8.5 h at 2.1 A NB (DC5525): ~2.5 h
Conversion efficiency	5 V/2 A ~93% 9 V/2 A ~95% 12 V/2 A ~97%
Safety Features	Overvoltage, short-circuit and overheating protection
Charge cycles	>= 500
Operating conditions	Charge: 0°C to +50°C Discharge: -10°C to +65°C
Storage conditions	0°C to 40°C, 45% to 85% RH Charge if unused for 90 days
Cell type	6 x Li-Ion ICR18650
Weight	~405 g
Dimensions	174 mm x 78 mm x 22 mm

Technical data

AC ADAPTER

Input	100-230 VAC 50-60 Hz, 1.1 A max
Output	19.5 VDC, 2.31 A max
Safety features	Overcurrent, overvoltage and short-circuit protection
Operating conditions	-10°C to +40°C, 5% to 90% RH
Storage conditions	-25°C to +70°C, 5% to 95% RH
Weight	~400 g
Dimensions	60 mm (97 mm with EU plug) x 60 mm x 30 mm (without cable)

ACCESSORIES

Cable	silicone rubber insulation, DC5521 to DC5525 plugs
Soldering tip cleaner	Low abrasion metal shavings
Soldering iron tips	Replaceable tips, integrated heater element and thermal sensor

warranty

Tinkershop OÜ provides an explicit 2-year warranty for the tool set.

We will replace any defective component of the product, free of charge.

CONDITIONS

The warranty applies to KS100 tool sets purchased from the Komps Webstore or from resellers licensed by Tinkershop OÜ.

The receipt of purchase and the serial number of the tool set are required to be eligible for the warranty service.

HOW TO APPLY

To apply for the warranty service, please contact us by email (info@komps.ee) or by phone (+372 5679 4322). Our customer service staff will handle your warranty request and will provide you further instructions as necessary.

Please have the purchase receipt and the tool set serial number ready before contacting the customer service.

THE WARRANTY COVERS:

- materials of the tool set main components
- workmanship (manufacturing and assembly) of the main components and the tool set

THE WARRANTY DOES NOT COVER:

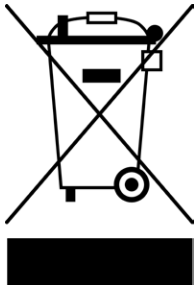
- parts regarded as consumables - soldering iron tips and steel wool of the tip cleaner
- other materials which are expected to naturally wear over time, e.g. foam lining of the case
- normal wear and tear of the components
- damage due to misuse, accidental damage by the user or during delivery, due to "force majeure", or due to insufficient maintenance of the tool set or its components

disposal compliance

DISPOSAL

DO NOT THROW THE SOLDERING IRON, POWER BANK, AC ADAPTER OR CABLE IN THE HOUSEHOLD WASTE BIN! DISPOSE THEM AS ELECTRONIC WASTE!

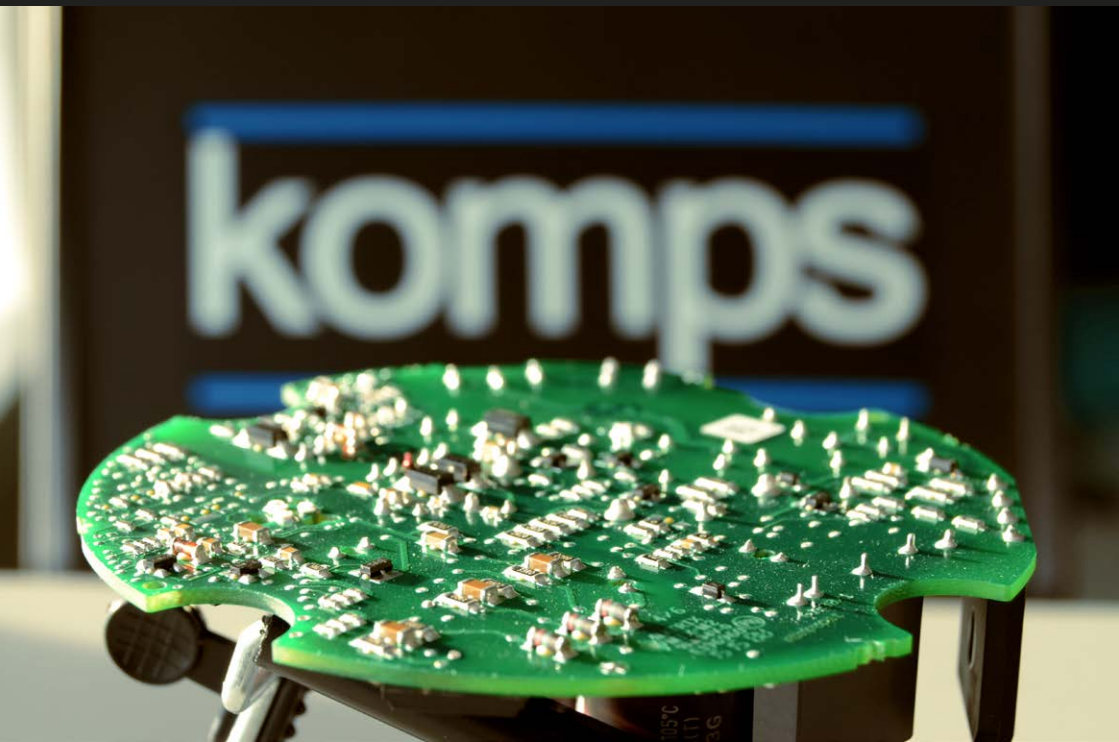
If unsure how to dispose electronic waste, contact your local government officials or a waste management company!



COMPLIANCE

All components and materials used in this product are compliant with FCC requirements and appropriate EU regulations, including RoHS, WEEE and EMC regulations where applicable.





<https://komps.ee>