

JBC

www.jbctools.com



Compact Micro Tweezers Station

Ref. CP-D

Packing List

The following items should be included:

CP Control Unit 1 unit
Ref. CP-1D (120V)
CP-2D (230V)
CP-9D (100V)



Micro Tweezers 1 unit
Ref. PA120-A



Cartridges 2 units
Ref. C120002



Brass Wool 1 unit
Ref. CL6210



Sponge 1 unit
Ref. S0354



Power Cable 1 unit
Ref. 0009417 (100V/120V)
0009401 (230V)



Manual 1 unit
Ref. 0014627

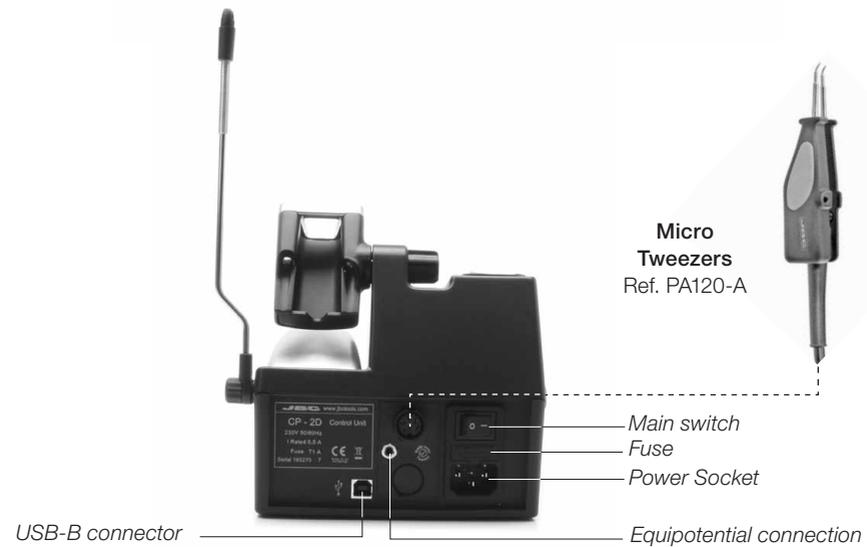


Features



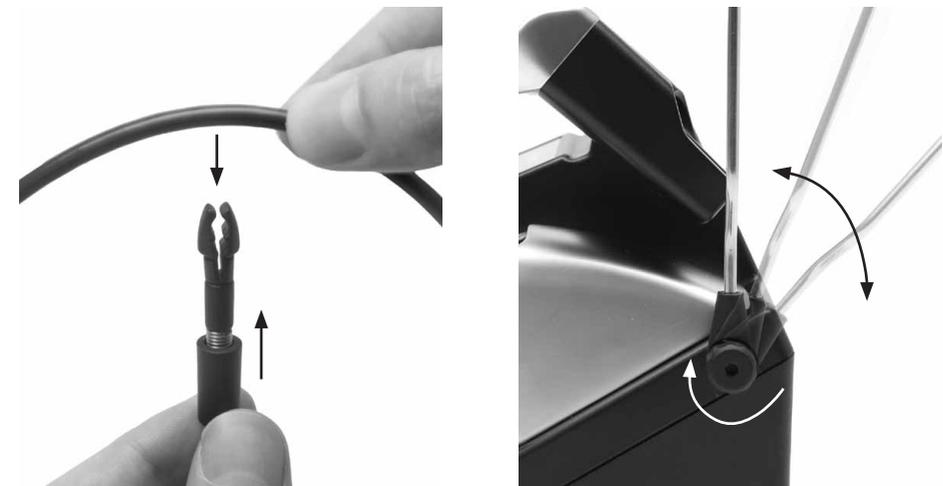
Adjustable stand

Adjust the tool stand to suit your work position.



Cable collector

Place the cable on the collector to keep the work area free of cable.



Tip Cleaner

Select the option that best suits your tip cleaning needs and improve the thermal transfer of the tip.

Splashguard



Brass Wool
Ref. CL6210
Very effective cleaning method.
Leaves a small layer of solder on the tip preventing oxidation between cleaning and rewetting.

More options for the splashguard (not supplied):



Inox Wool
Ref. CL6205
An alternative to Brass Wool.



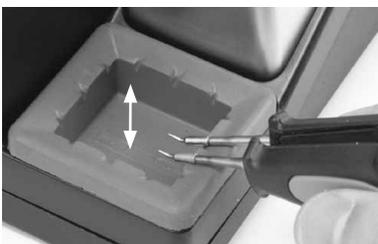
Metal Brush
Ref. CL6220
When used carefully, it provides a more thorough cleaning.

Tip Wiper



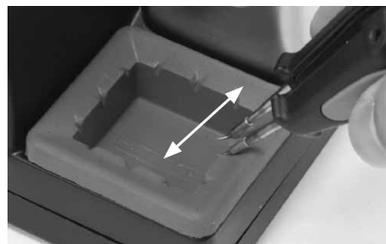
Sponge
Ref. S0354
The least harmful cleaning method.
Keep the sponge damp with distilled water to prevent tip wear.

Tapping:



Tap gently to eliminate excess solder.

Wiping:



Use the slots to wipe off any remaining particles.

Changing cartridges

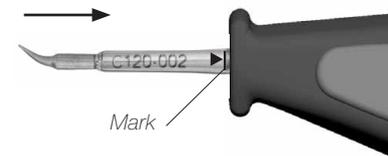
Turn the station off and follow these guidelines for a safe cartridge change:

1. Removing



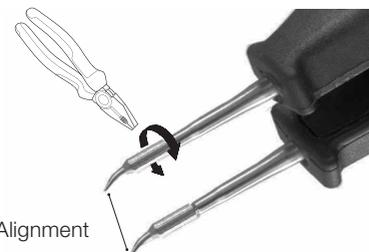
Loosen the screw to remove the cartridge.
⚠ Use a flat nosed pliers if the cartridge is hot.

2. Inserting



Important: Insert the cartridge as far as the mark for a proper connection.

3. Aligning



Alignment

Use a flat nosed pliers for a correct alignment.

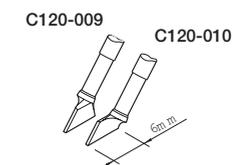
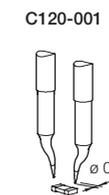
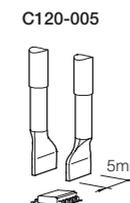
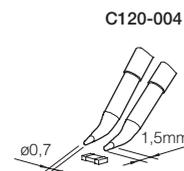
4. Fixing



Important: Tighten the screw. This is necessary for the tool to function.
⚠ Be careful not to over-tighten the screw.

Compatible cartridges

CP station works with C120 cartridge range. Find the model that best suits your soldering needs in www.jbctools.com



USB Connector

Download the latest software from our website to improve your soldering station.

JBC Updater

www.jbctools.com/software.html

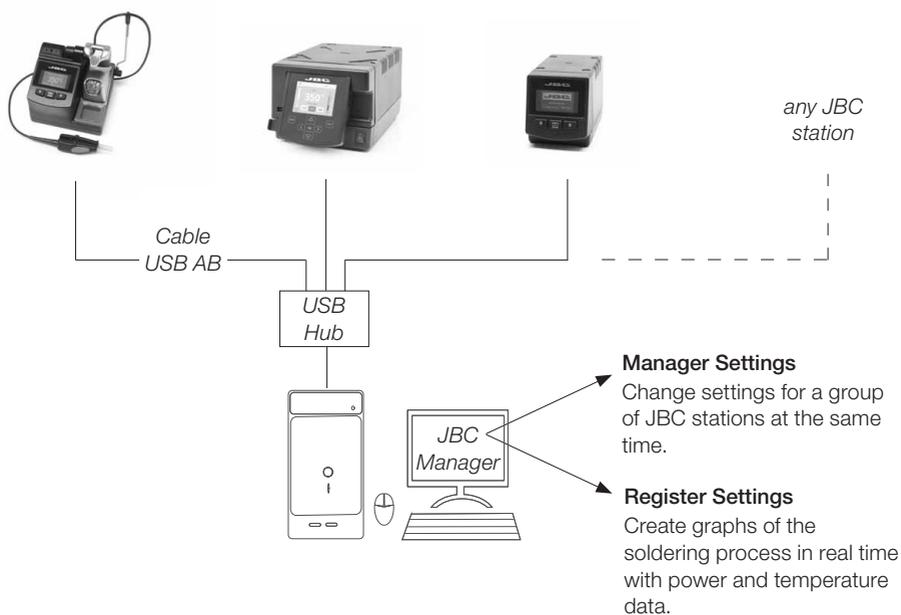
Update the station software via USB connection:



JBC Manager

www.jbctools.com/manager.html

Manage and monitor as many stations as your PC can handle by using the JBC Manager. You can export data to another PC.



Operation

The JBC Exclusive Heating System

Our revolutionary technology is able to recover tip temperature extremely quickly. It means the user can work at a lower temperature and improve the quality of soldering. Tip temperature is further reduced thanks to the Sleep and Hibernation modes which increase tip life by 5.

1. Work



When the tool is lifted from the stand the tip will heat up to the selected temperature.

2. Sleep

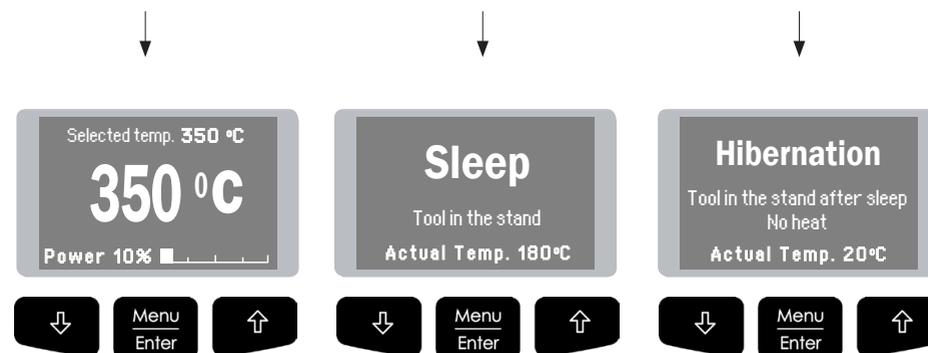


When the tool is in the stand, the temperature falls to 180°C / 360°F (preset sleep temperature).

3. Hibernation



After longer periods in the stand (pre-set to 30 minutes), the power is cut and the tool cools down to room temperature.



· Change temperature (from 90 to 450°C)

Tool Settings:
· Select temperature levels
· Fix one temperature

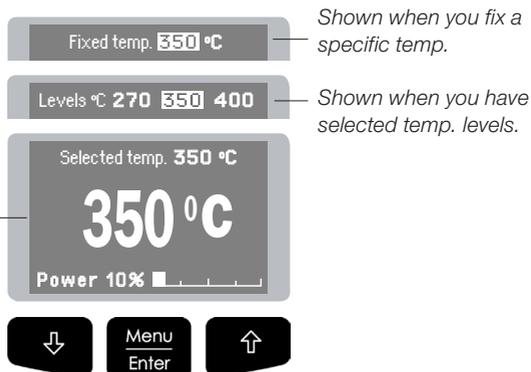
Tool Settings:
· Set Sleep temperature
· Set Sleep delay (from 0 to 9 min or no Sleep)

Tool Settings:
· Set Hibernation delay (from 0 to 35 min or no hibernation)

Process Control

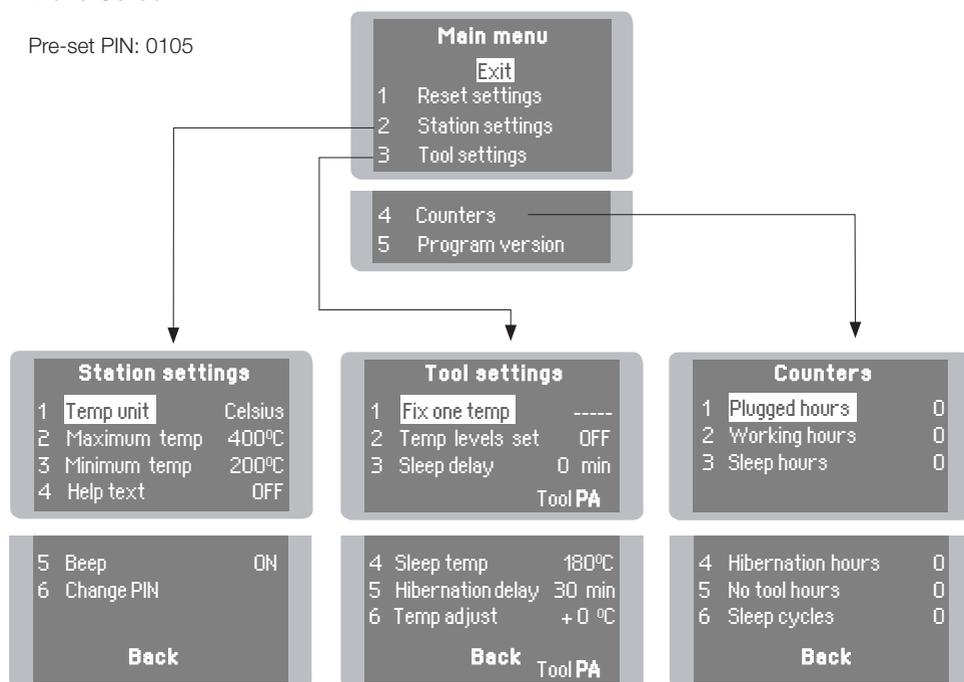
Work Screen

This screen displays information of tool status in real time.



Menu Screen

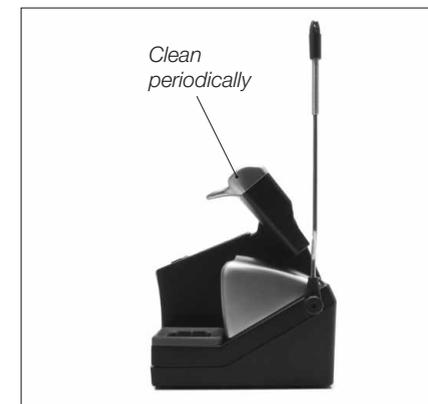
Pre-set PIN: 0105



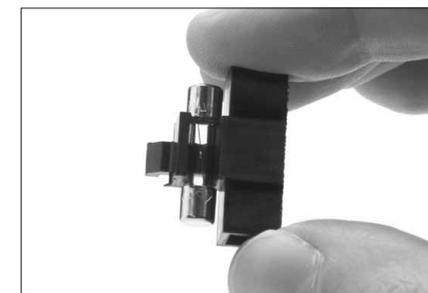
Maintenance

Before carrying out maintenance or storage, always allow the equipment to cool.

- Clean the station screen with a glass cleaner or a damp cloth.
- Use a damp cloth to clean the casing and the tool. Alcohol can also be used to clean the metal parts.
- Periodically check that the metal parts of the tool and stand are clean so that the station can detect the tool status.
- Maintain tip surface clean and tinned prior to storage in order to avoid tip oxidation. Rusty and dirty surfaces reduce heat transfer to the solder joint.
- Periodically check all cable connections.
- Replace a blown fuse as follows:



1. Remove the fuse by pulling off the black cap. If necessary use a tool to lever it off.



2. Press the new fuse into the holder and replace it in the station.

- Replace any defective or damaged parts. Use original JBC spare parts only.
- Repairs should only be performed by a JBC authorized technical service.

Safety



It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.

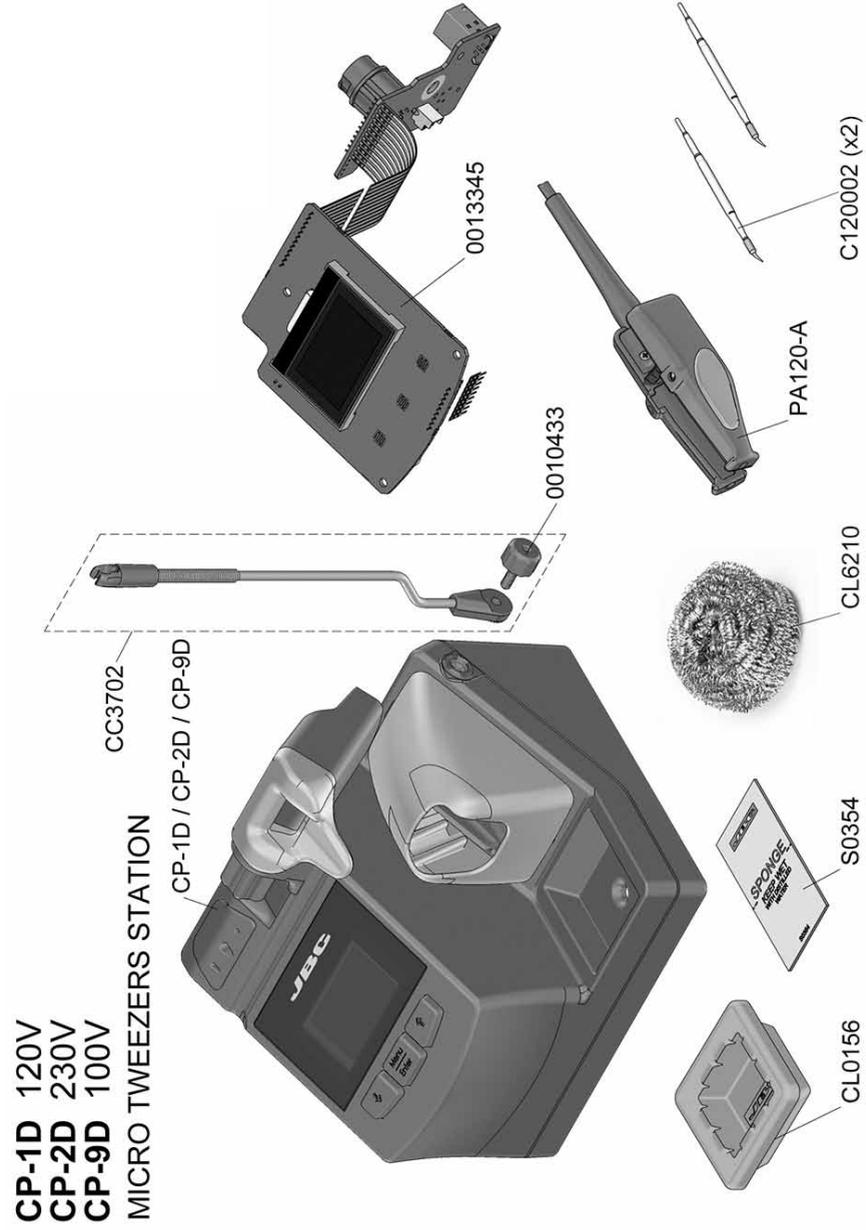
- Do not use the units for any purpose other than soldering or rework. Incorrect use may cause fire.
- The power cord must be plugged into approved bases. Be sure that it is properly grounded before use. When unplugging it, hold the plug, not the wire.
- Do not work on electrically live parts.
- The tool should be placed in the stand when not in use in order to activate the sleep mode. The soldering tip, the metal part of the tool and the stand may still be hot even when the station is turned off. Handle with care, including when adjusting the stand position.
- Do not leave the appliance unattended when it is on.
- Do not cover the ventilation grills. Heat can cause inflammable products to ignite.
- Use a "non residue" classified flux and avoid contact with skin or eyes to prevent irritation.
- Be careful with the fumes produced when soldering.
- Keep your workplace clean and tidy. Wear appropriate protective glasses and gloves when working to avoid personal harm.
- Utmost care must be taken with liquid tin waste which can cause burns.
- This appliance can be used by children over the age of eight and also persons with reduced physical, sensory or mental capabilities or lack of experience provided that they have been given adequate supervision or instruction concerning use of the appliance and understand the hazards involved. Children must not play with the appliance.
- Maintenance must not be carried out by children unless supervised.

Specifications

- CP-1D** 120V 50/60Hz. Input fuse: 2A. Output: 23.5V.
- CP-2D** 230V 50/60Hz. Input fuse: 1A. Output: 23.5V.
- CP-9D** 100V 50/60Hz. Input fuse: 2A. Output: 23.5V.
- Weight: 2.7 Kg (6 lb)
- Dimensions: 150 x 175 x 145 mm
- Temperature range: 90-450°C (190 to 840°F) (±5%).
- Output Peak Power: 80W
- Tip to ground resistance <2 ohms
- Tip to ground voltage <2mV RMS
- Ambient operating temp: 10-40 °C (50-104 °F)
- USB connection station-PC

Complies with CE standards
ESD protected housing "skin effect"

Exploded View



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Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour. Warranty does not cover product wear due to use or mis-use.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.



This product should not be thrown in the garbage.

In accordance with the European directive 2002/96/EC, electronic equipment at the end of their life must be collected and returned to an authorized recycling facility.