

JBC

www.jbctools.com

English



Precision Soldering Station

Ref. CD-SD

Packing List

The following items should be included:

- CD Control Unit** 1 unit
- Precision Handpiece** 1 unit
- Cartridges** 2 units

- Brass wool** 1 unit
- Sponge** 1 unit
- Power Cord** 1 unit

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



Precision Handpiece
Ref. T210-A



Cartridges
Ref. C210001
C210008



Brass Wool
Ref. CL6210



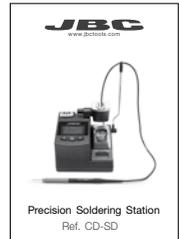
Sponge
Ref. S0354



Power Cord



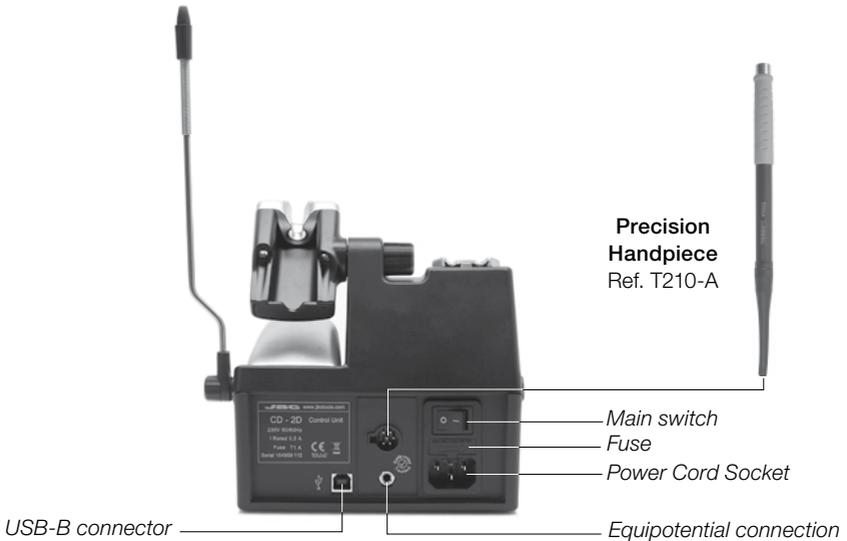
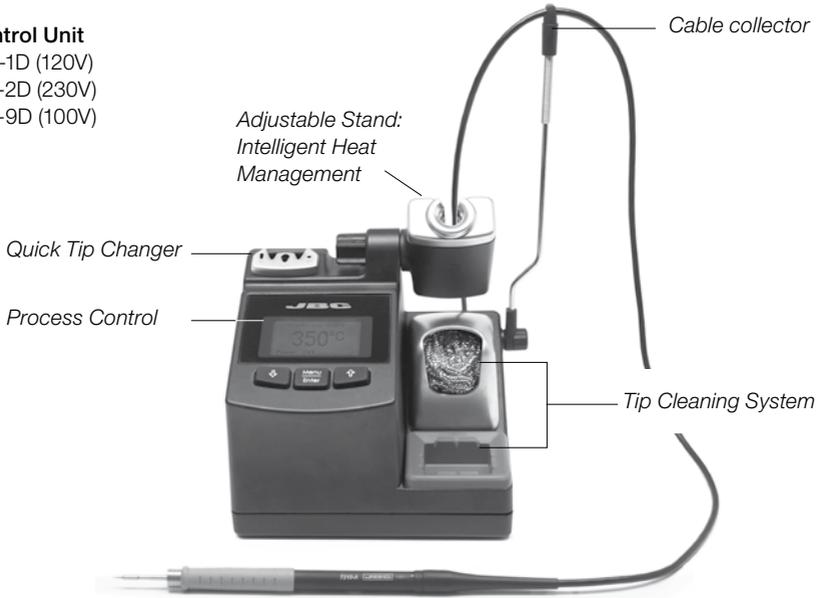
Manual



Features

CD Control Unit

Ref. CD-1D (120V)
CD-2D (230V)
CD-9D (100V)



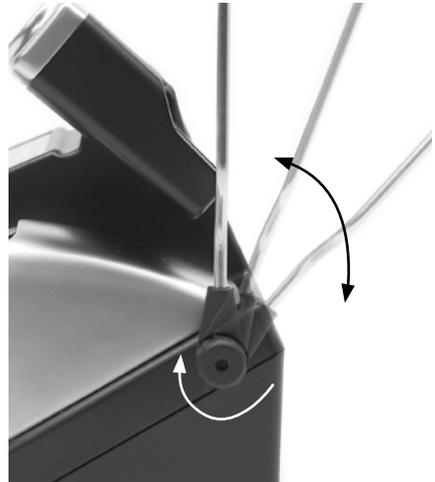
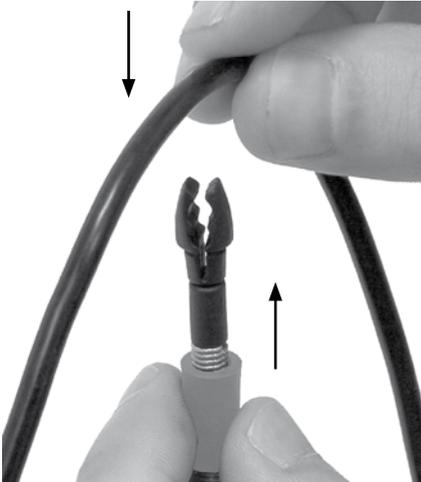
Adjustable stand

Adjust the tool stand to suit your work position.



Cable collector

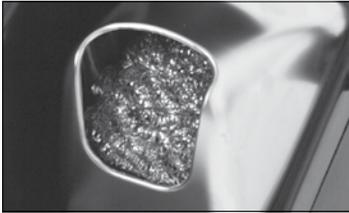
Place the cable on the collector and adjust its position to avoid tangles.



Tip Cleaning System

Select the option that best suits your tip cleaning needs.

Splashguard

**Brass Wool**

Ref. CL6210

Very effective cleaning method. Leaves a small layer of solder on the tip preventing oxidation between cleaning and reflowing.

More options for the splashguard (not supplied):

**Inox Wool**

Ref. CL6205

Provides a superior cleaning on the tip.

**Metal Brush**

Ref. CL6220

When used carefully, it provides a more thorough cleaning.

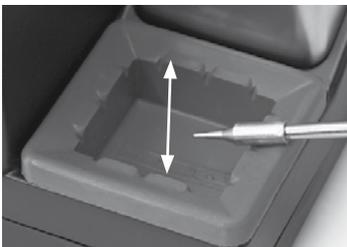
Tip Wipe

**Sponge**

Ref. S0354

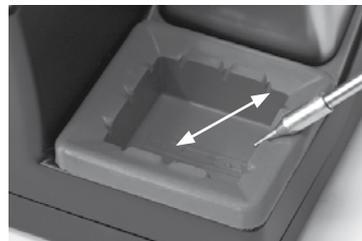
The least harmful cleaning method. Keep the sponge damp with distilled water when working to avoid tip wear.

Tapping:



Tap gently to remove the excess of solder.

Wiping:

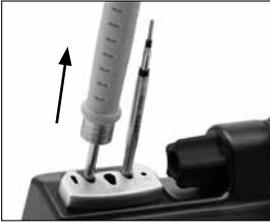


Use the slots to wipe off any remaining particles.

Quick Tip Changer

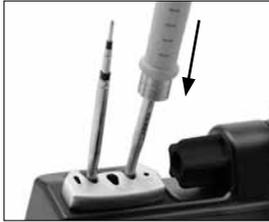
Save time and change cartridges safely without switching the station off.

1. Removing



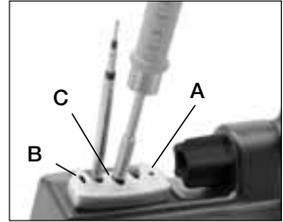
Place the handpiece in the extractor and remove the cartridge.

2. Inserting



Place the handpiece on top of the new cartridge, press it down slightly and remove the handpiece from the extractor.

3. Fixing



Press the cartridge* to the fixing holes according to the following:

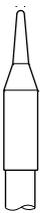
- A.** For straight C210.
- B.** For curved C210.
- C.** For C245.

***Important:** It is essential to insert the cartridges as far as the mark for a correct connection.



Compatible cartridges

The CD stations can use both the C245 and the C210 cartridges only with the appropriate handpiece: T245/T470 or T210. Find the model that best suits your soldering needs in www.jbctools.com



Round



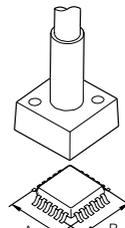
Chisel



Round bent



Bevel



Special models

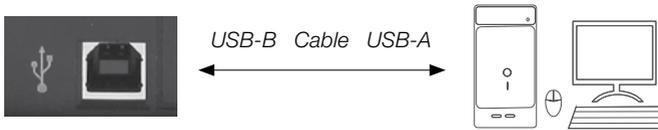
USB Connector

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

JBC Updater

www.jbctools.com/software.html

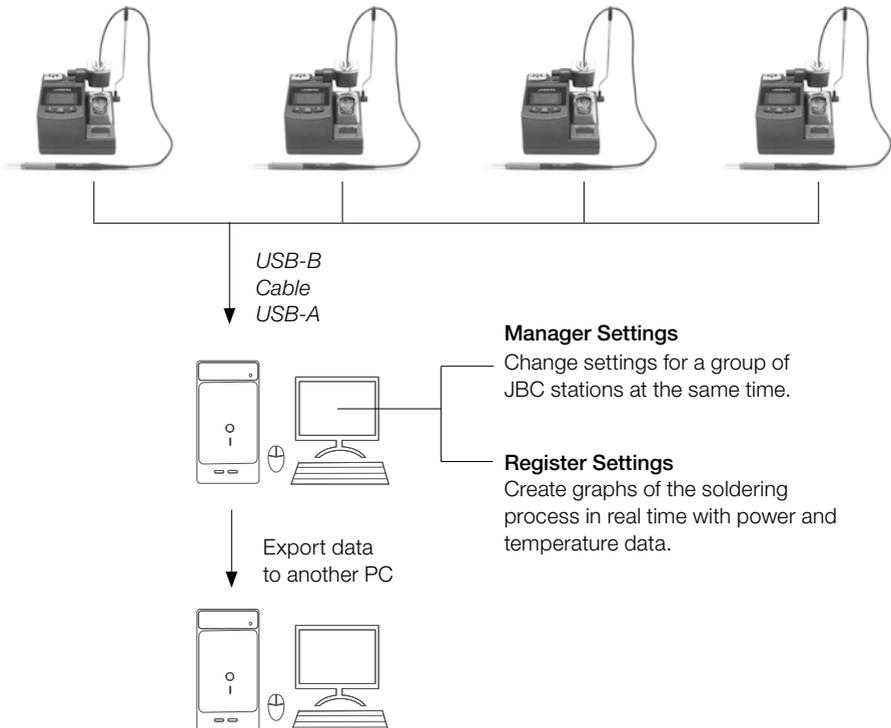
Update the station software via USB connection:



JBC Manager

www.jbctools.com/manager.html

Manage and monitor stations connected to a Windows PC by using the JBC Manager:



Operation

The JBC Exclusive Heating System

This revolutionary technology is able to recover the tip temperature extremely quickly. This allows the user to work at a lower temperature. As a result, the tip life increases x5 times.

1. Work



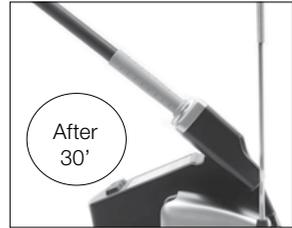
Lift tool from the stand and the tool tip will heat up to the selected temperature.

2. Sleep

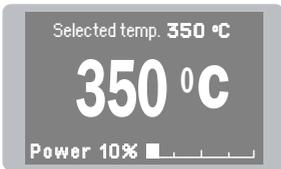


When the tool is in the stand, the temperature reduces to 180°C / 360°F (preset sleep temperature).

3. Hibernation



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



- Change temperature (from 200 to 400°C)
- Select temperature levels
- Fix one temperature



- Change Sleep temperature
- Set Sleep delay (from 0 to 9 min or no Sleep)

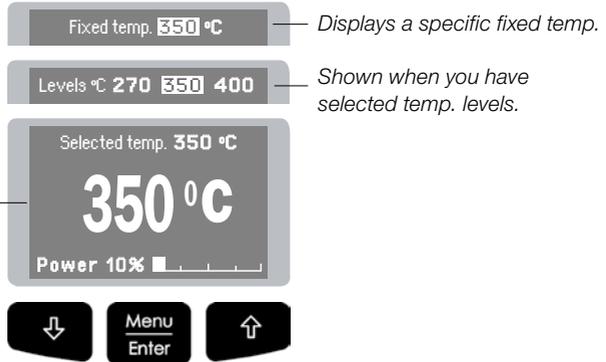


- Change Hibernation delay (from 0 to 35 min)

Process Control

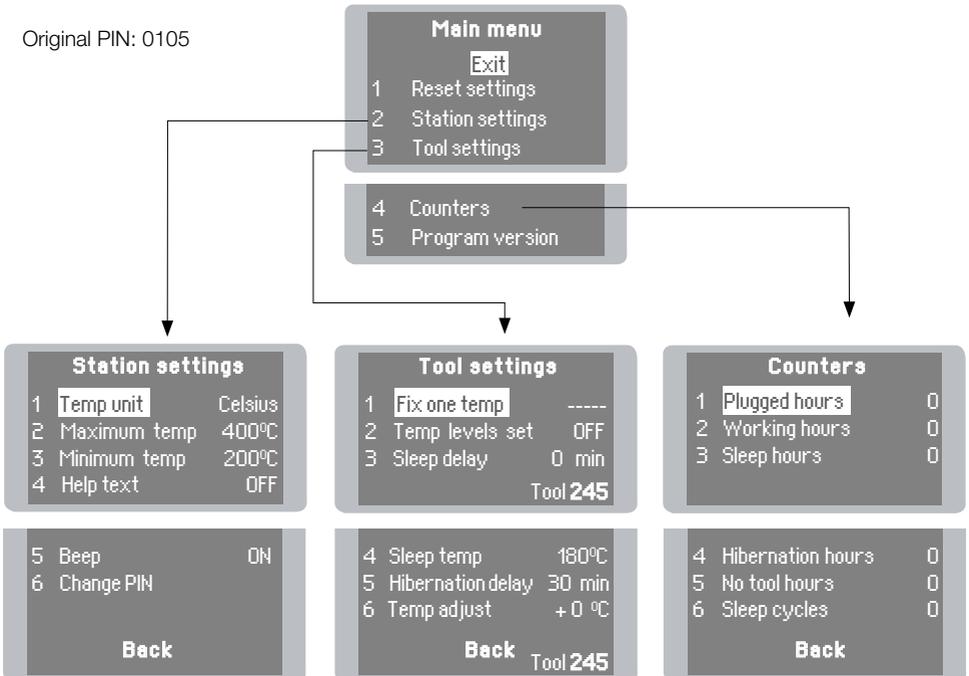
Work Screen

The work screen provides useful information of tool status in real time.



Menu Screen

Original PIN: 0105



Compatible Handpieces

For precision uses

C210 Cartridge range

Precision Handpiece

Ref. T210-A



Precision Blue Grip Handpiece

Ref. T210-PA

This allows you to differentiate the handpiece used in soldering jobs with leaded alloys from the lead-free soldering jobs.



For general uses

C245 Cartridge range

Handpiece

Ref. T245-A



Blue Grip Handpiece

Ref. T245-PA

This allows you to differentiate the handpiece used in soldering jobs with leaded alloys from the lead-free soldering jobs.



Soft Touch Handpiece

Ref. T245-B

Anti-slip and soft touch grip.



For greater demands

Important: Only work with C245 cartridges when used with a CD station.

Handpieces for intensive soldering jobs requiring a continuous high thermal power. Soft touch and anti-slip grips. They feature a larger width grip and a screw which fixes the cartridge and prevents its rotation and movement.

Handpiece

Ref. T470-A

**Handpiece with cable 3m**

Ref. T470-SA

**Tri-lobed Handpiece**

Ref. T470-ZA



For a greater manual control of the tool

Thermal Insulation Handpiece

Ref. T470-FA

**Thermal Insulation Handpiece with cable 3m**

Ref. T470-MA



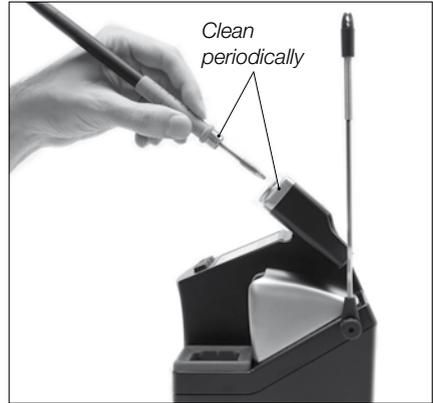
Foam grip for soldering jobs with high thermal requirements.

Note: All models are supplied with a 1.5m cable except those specified with 3m.

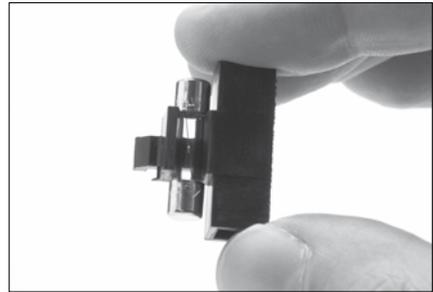
Maintenance

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

- Clean the station's screen with a glass cleaner or a damp cloth.
- Use a damp cloth to clean the casing and the tool. Alcohol can only be used to clean the metal parts.
- Check periodically that the metal parts of the tool/stand are clean so that the station can detect when the tool is in the stand.
- 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 cables and tubes connections.
- Replace the fuse if it is blown according to the following guidelines:



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



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

- Replace any defective or damaged pieces. 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 removing it, hold the plug, not the wire.
- Do not work on electrically live parts. Antistatic handle of soldering irons is electrically conductive.
- 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 even when out of sight.
- 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 protection 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 shall not be carried out by children unless supervised.

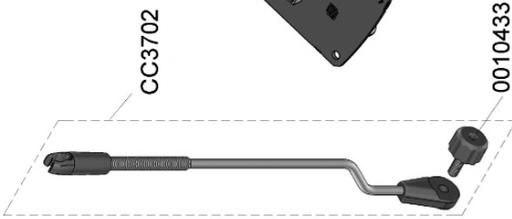
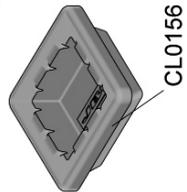
Exploded View

CD-1SD 120V
CD-2SD 230V
CD-9SD 100V

PRECISION SOLDERING STATION

SPARE PARTS	
CD-1D / CD-2D / CD-9D:	
-CIRCUIT	0013343
-ENCLOSURE	0014276
-TOOL STAND	0012994

CD-1D / CD-2D / CD-9D



0010433



CD-1SD 120V FUSE T-2A
 CD-2SD 230V FUSE T-1A
 CD-9SD 100V FUSE T-2A



Technical Specifications

- Total unit weight: 2,6 Kg (5.7lb)
- Size: 150 x 175 x 145 mm
- Temperature selection from 90°C (190°F) to 450°C (840°F) (±5%).
- Output Peak Power CD-SD: 40W.
- Safety transformer, mains separator and double isolation.
- **CD-1SD** 120V 50/60Hz. Input fuse: 2A. Output: 23,5V. Control Unit model: **CD-1D**
- **CD-2SD** 230V 50/60Hz. Input fuse: 1A. Output: 23,5V. Control Unit model: **CD-2D**
- **CD-9SD** 100V 50/60Hz. Input fuse: 2A. Output: 23,5V. Control Unit model: **CD-9D**
- Input Fuse 1A (230V), 2A (120V and 100V)
- Tip to ground resistance <2 ohms
- Tip to ground voltage <2mV RMS
- Ambient operating temp: 10-40 °C / 50-104 °F
- USB interface station-PC
- Complies with CE standards
- ESD protected housing "skin effect"

JBC

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.