JBC DDE-9C 2 Tool Control Unit Instruction Manual

INSTRUCTION MANUAL

DDE
2-Tool Control Unit
This manual corresponds to the following reference:
DDE-9C (100V)
DDE-1C (120 V)
DDE-2C (230 V)

Contents

Packing List

The following items are included:

2-Tool Control Unit .... 1 unit

Power Cord .... 1 unit
Ref. 0024077 (100V)
      0023717 (120V)
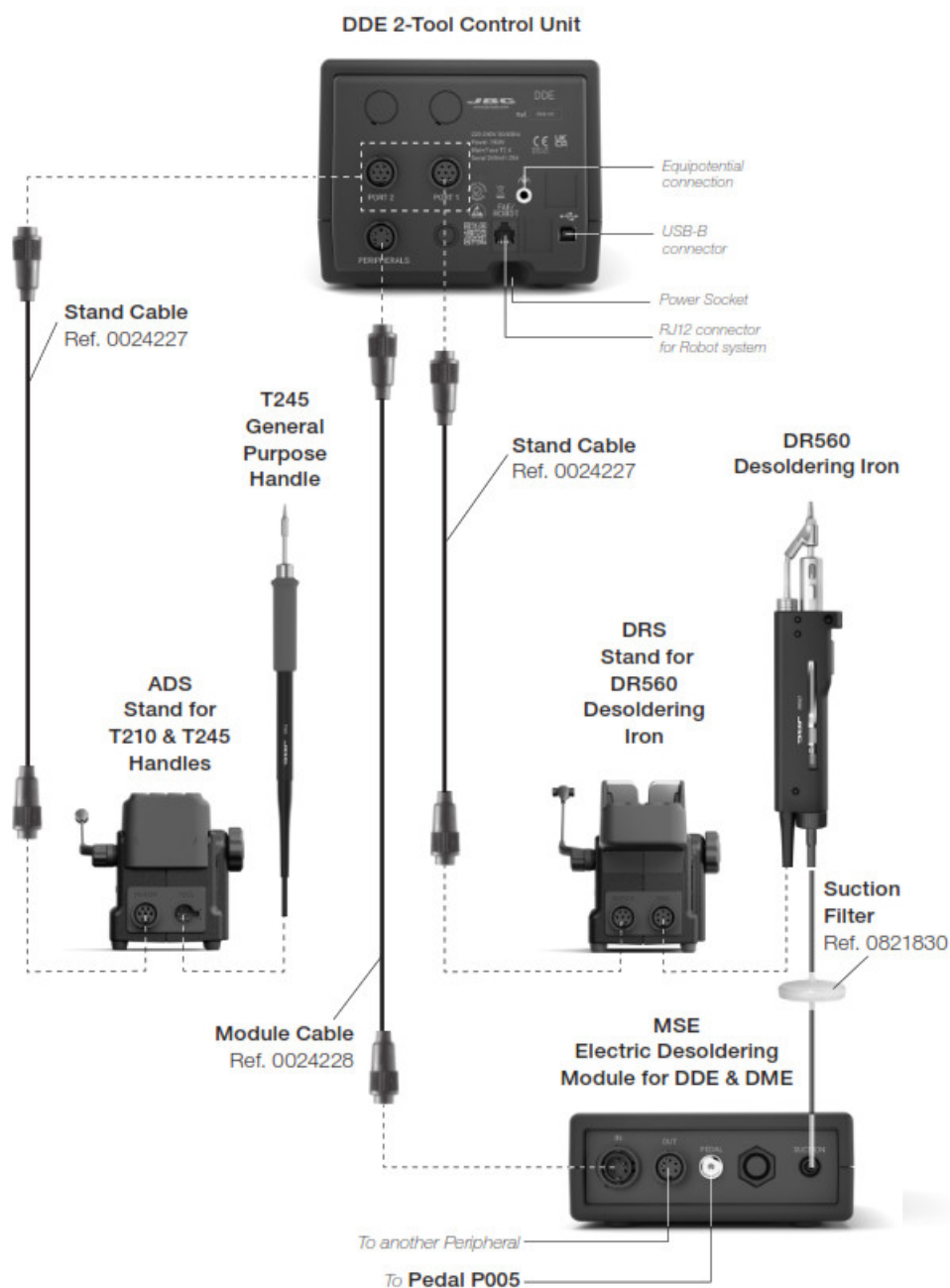   0024080 (230V)

Manual .... 1 unit
Ref. 0029145

Features

DDE work simultaneously with up to 2 tools and 1 module + 1 pedal for each tool (peripheral modul for each tool needed).
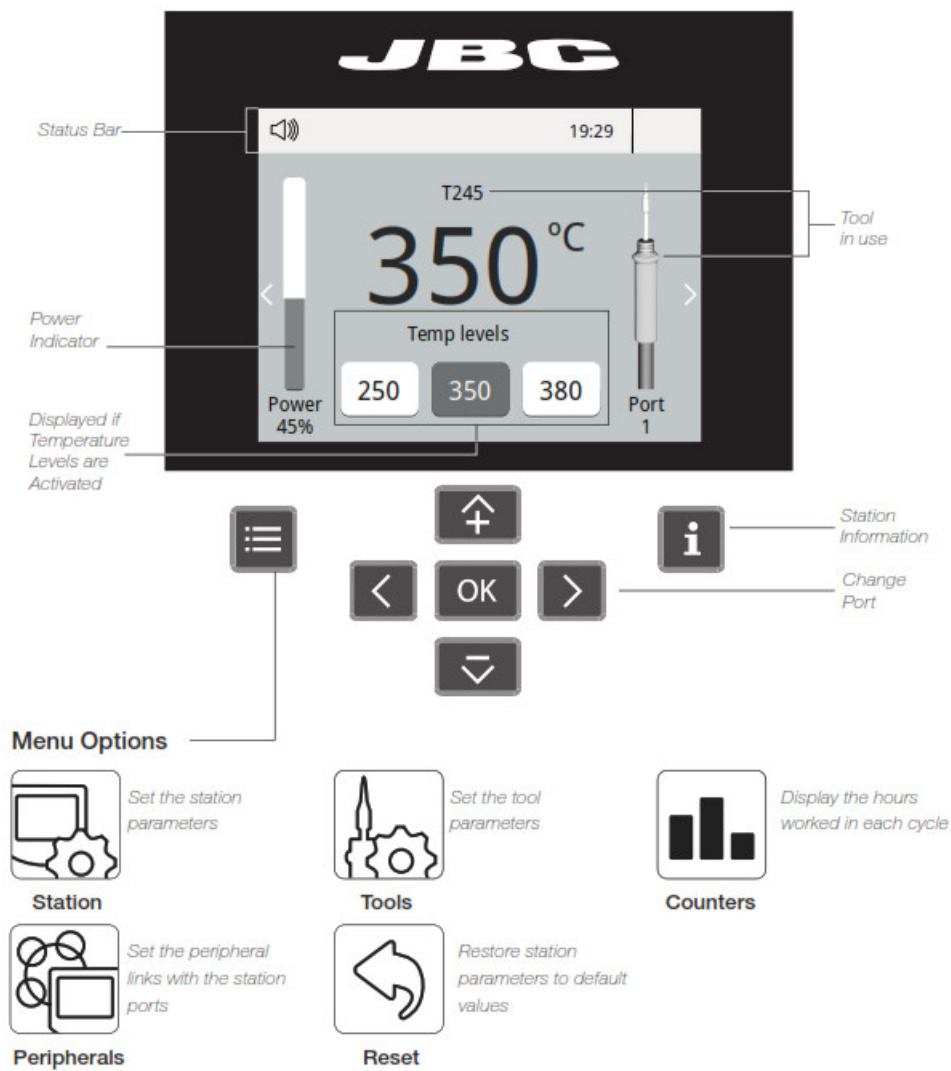

2,8" Color **TFT screen**

Tilt the display for easy reading

USB-A connector

Main Switch

Connection Example 130 mm

DDE 2-Tool Control Unit

- Equipotential connection
- USB-B connector
- Power Socket
- RJ12 connector for Robot system

Stand Cable
Ref. 0024227

T245
General
Purpose
Handle

Stand Cable
Ref. 0024227

DR560
Desoldering Iron

ADS
Stand for
T210 & T245
Handles

DRS
Stand for
DR560
Desoldering
Iron

Suction
Filter
Ref. 0821830

Module Cable
Ref. 0024228

MSE
Electric Desoldering
Module for DDE & DME

To another Peripheral

To **Pedal P005**

Compatibility

Select the equipment that best suit your soldering or desoldering needs.

Modular System				Peripherals		
Control Unit	Stand	Tool	Cartridge Range	MSE / MVE	MNE	P405
DDE	ADS	T210	210			●
		T245	C245			●
		T470				●
	DNS	T210N	C210		●	●
		T245N	C245		●	●
	APS	AP250	C250			●
	AMS	AM120	120			●
		PAl20				●
	ATS	AT420	C420			●
	HTS	HT420				●
	DSS	DS360	C360	●		●
	DRS	DR560	C560	●		●

DDE Work Screen

DDE offers an intuitive user interface which provides quick access to station parameters.
**Default PIN: 0105**

Status Bar

Power Indicator

Displayed if Temperature Levels are Activated

T245

350 °C

Temp levels

250   350   380

Power 45%

Port 1

Tool in use

19:29

Station Information

Change Port

Menu Options

Set the station parameters

Station

Set the tool parameters

Tools

Display the hours worked in each cycle

Counters

Set the peripheral links with the station ports

Peripherals

Restore station parameters to default values

Reset

Troubleshooting

Station troubleshooting available on the product page at **www.jbctools.com**

Advanced Functionalities

|	
Graphics	It provides detailed graphics of tip temperature and power delivery in real time during solder joint formation for analysis purposes. This helps you decide how to adjust your process or which tip to use to obtain the best quality soldering.
JBC Net	Get greater quality and control in your production. Manage your whole soldering process remotely in real time. For more information see **www.jbctools.com/webmanager.html**
Update	Station update Download the JBC Update File from **www.jbctools.com/software.html** Insert the USB flash drive with the file downloaded to the station.
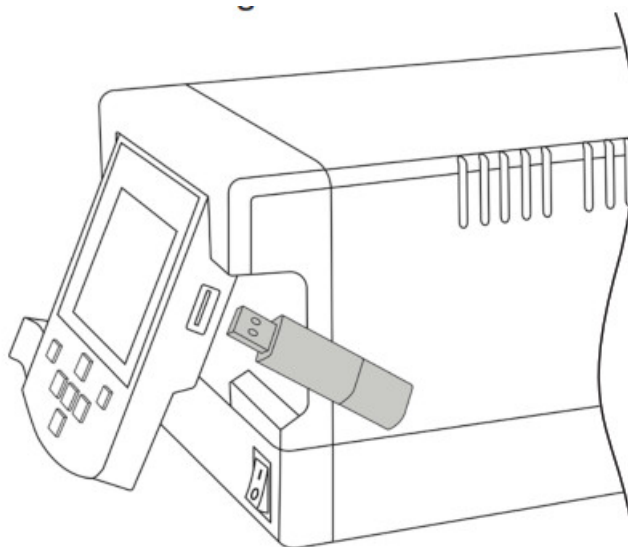
System Notifications

The following icons will be displayed on the screen's status bar.

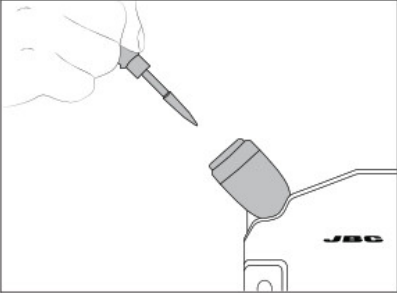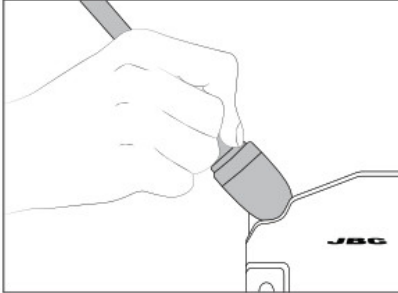|	
⟋⟍	USB fl ash drive is connected.
🖥	Station is controlled by a PC
🦾	Station is controlled by a robot. downloaded to the station.
⟳	Station software update. Press INFO to start the process.
⚠	Warning. Press INFO for failure description.
✖	Error. Press INFO for failure description, the type of error and how to proceed.

Peripheral Set Up
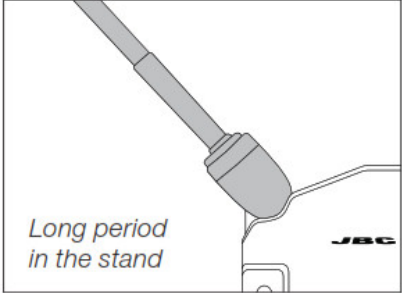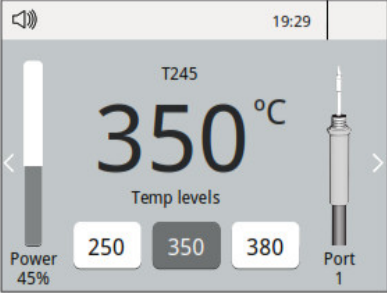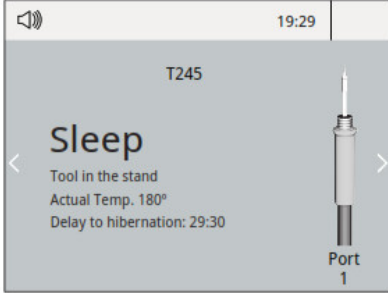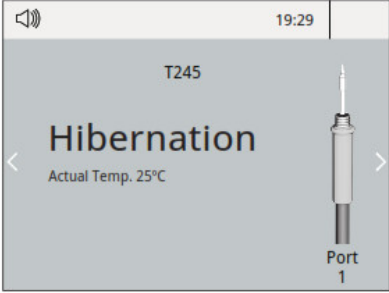
1. After connecting the module, enter the Peripherals Menu and select the port which you want to join with the module.
2. . Select the module from the list of peripheral connections. Remember your first connection is denoted as "a", the second being "b", etc. (e.g. MNE_a, MNE_b, …).
3. Press Menu or Back to save changes.
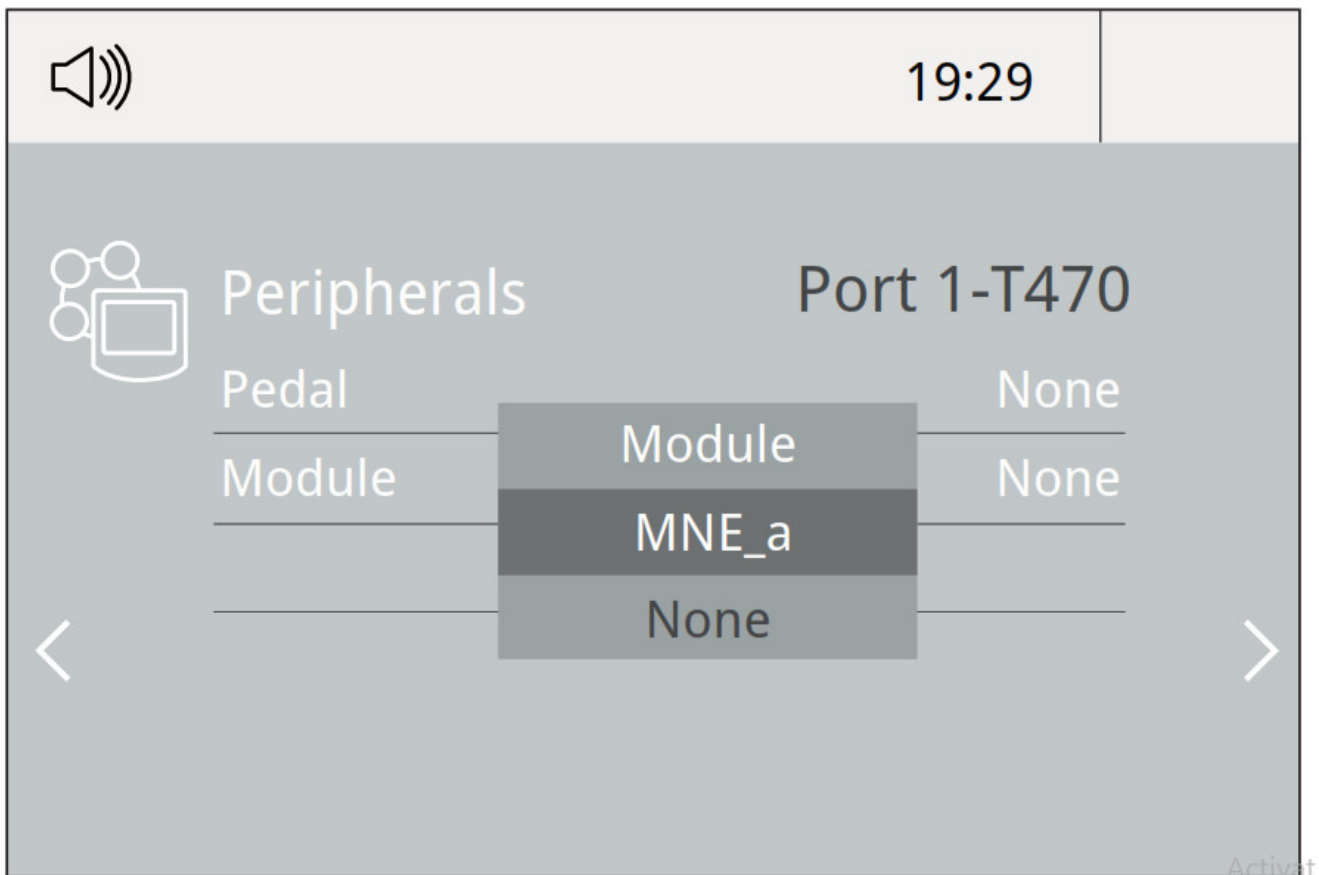
Operation

The JBC Most Efficient Soldering 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 soldering quality. The tip temperature is further reduced thanks to the Sleep and Hibernation modes which increase up to 5 times the life of the tip.

1. Work	2. Sleep	3. Hibernation
When the tool is lifted from the stand the tip will heat up to the selected temperature. 40 mm	When the tool is in the stand, the temperature falls to the preset Sleep temperature.	After longer periods of inactivity, the power is cut off and the tool cools down to room temperature.
Tools Menu: · Adjust temperature limits and cartridge.· Set temperature levels. Module MSE_a None	Tools Menu: · Set Sleep temperature. · Set Sleep delay. (from 0 to 9 min or o Sleep)	Tools Menu: · Set Hibernation delay. (from 0 to 60 min or no hibernation)

USB Connector

Download the latest software from our website to improve your soldering station at
www.jbctools.com/software.html

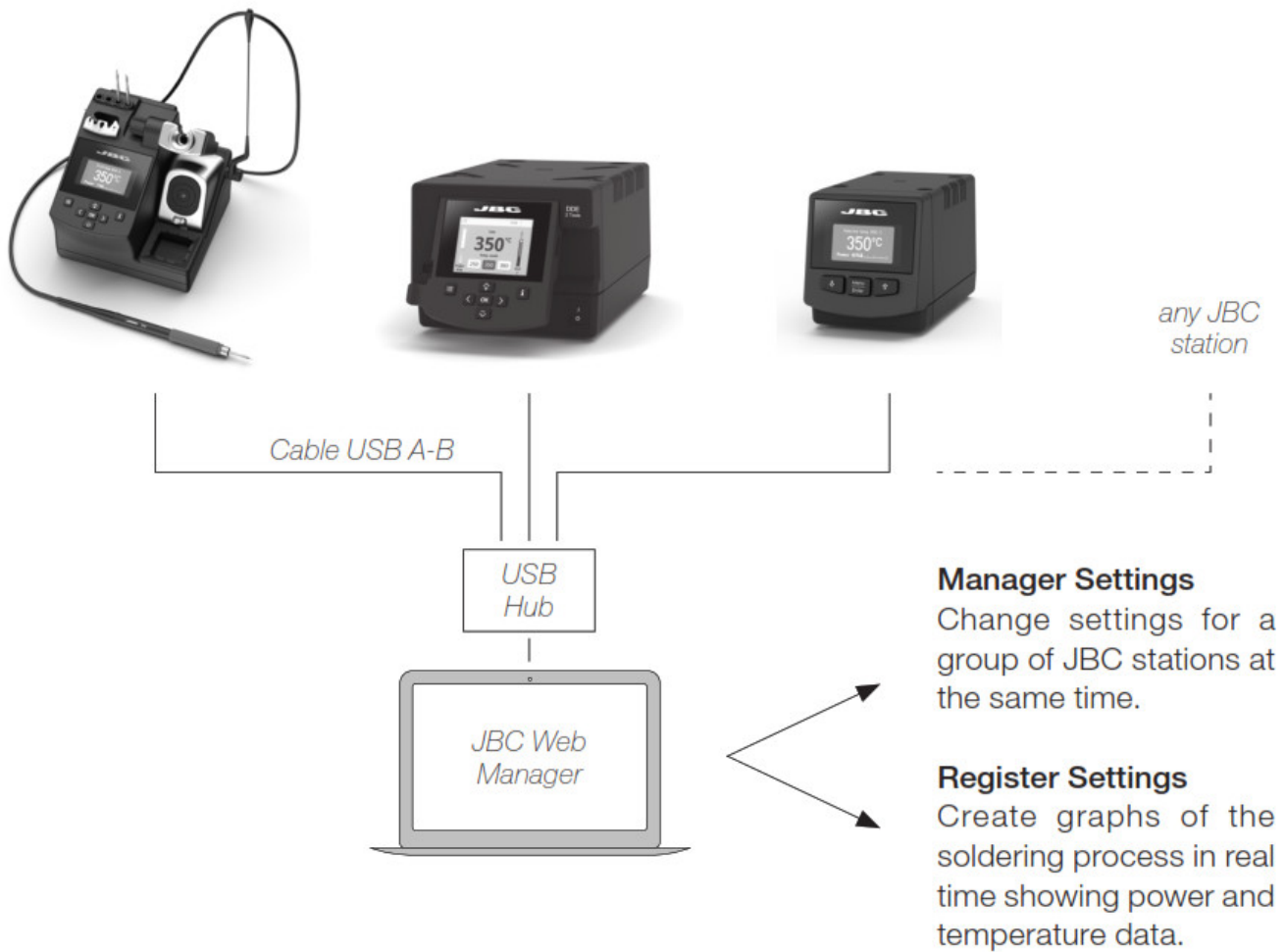**JBC Web Manager Lite**
www.jbctools.com/manager.html
Manage and monitor as many stations as your PC can handle by using JBCs Web Manager Lite. **Note:** Data can be exported to another PC.

Cable USB A-B

any JBC station

USB Hub

JBC Web Manager

Manager Settings
Change settings for a group of JBC stations at the same time.

Register Settings
Create graphs of the soldering process in real time showing power and temperature data.

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 only 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's status.
- Maintain the tip surface clean and tinned prior to storage in order to avoid tip oxidation. Rustyand dirty surfaces reduce heat transfer to the solder joint.
- Periodically check all cables and tubes.
- Replace a blown fuse as follows

Clean periodically

1. Pull off the fuse holder and remove the fuse. If necessary use a tool to lever it off.
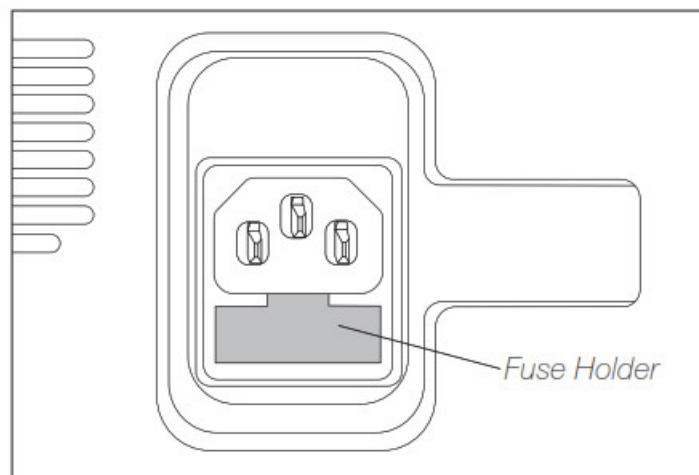
Fuse Holder

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

Fuse

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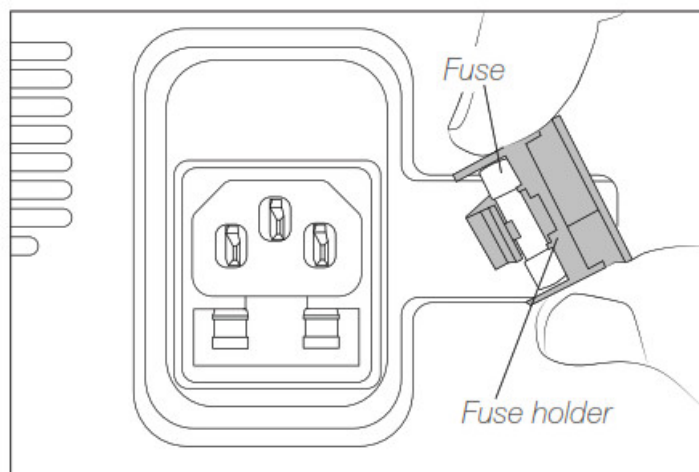
- Replace any defective or damaged pieces. Use original JBC spare parts only.
- Repairs should only be performed by a JBC authorized technical service.

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 a 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 or nozzle, 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.
- Avoid flux coming into 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 the 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.

Notes ………………………………….

Specifications

DDE
2-Tool Control Unit
Ref.: DDE-9C 100V 50/60Hz. Input fuse: T5A. Output: 23.5V
Ref.: DDE-1C 120V 50/60Hz. Input fuse: T4A. Output: 23.5V
Ref.: DDE-2C 230V 50/60Hz. Input fuse: T2A. Output: 23.5V

- Output Peak Power: 150W per tool
- Temperature Range: 90 – 450 °C / 190 – 840 °F
- Idle Temp. Stability (still air): ±1.5ºC / ±3ºF / Meets and exceed IPC J-STD-001F
- Temp Accuracy: ±3% (using reference cartridge)
- Temp Adjustment: ±50ºC / ±90ºF Through station menu setting
- Tip to Ground Voltage/Resistance: Meets and exceed
  ANSI/ESD S20.20-2014 IPC J-STD-001F
- Ambient Operating Temp: 10 – 50 ºC / 50 – 122 ºF
- Connections: USB-A / USB-B / Peripherals connectors
  RJ12 connector for Robot
- Control Unit Dimensions/Weight: 148 x 232 x 120 mm / 3.82 kg (L x W x H) 5.8 x 9.1 x 4.7 in / 8.41 lb

- Total Package: 258 x 328 x 208 mm / 4.3 kg   10.15 x 12.9 x 8.1 in / 9.5 lb

Complies with CE standards.
ESD safe.

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 or misuse. In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.
Get 1 extra year JBC warranty by registering here: **https://www.jbctools.com/productregistration**/ within 30 days of purchase.

This product should not be thrown in the garbage. In accordance with the European directive 2012/19/EU, electronic equipment at the end of its life must be collected and returned to an authorized recycling facility.

www.jbctools.com

Documents / Resources

JBC www.jbctools.com INSTRUCTION MANUAL 350° DDE 2-Tool Control Unit	**JBC DDE-9C 2 Tool Control Unit** [pdf] Instruction Manual DDE-9C 2 Tool Control Unit, DDE-9C, 2 Tool Control Unit, Control Unit

References

- **JBC** **JBC Soldering and Rework equipment for electronics**
- **JBC** **Manager DOWNLOAD**
- **JBC** **DOWNLOAD SOFTWARE**
- **JBC** **JBC Web Manager**
- **JBC** **Warranty Extension**

Manuals+,