

JBC

www.jbctools.com

INSTRUCTION MANUAL



1 Tool Control Unit

Ref. DI-D

Packing List

The following items should be included:

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

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

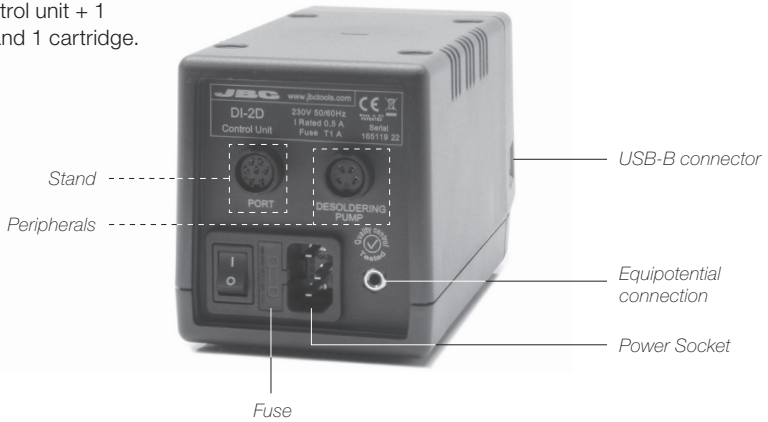
Manual1 unit
Ref. 0014650



Connections

For a basic working system, you need 1 control unit + 1 stand + 1 tool and 1 cartridge.

DI Control Unit



Compatibility

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

Basic working system				Peripherals				
Control Unit	Stand	Tool	Cartridge Range	MS-A MV-A	MN-A	FS500-1A FS500-2A	P-005	
DI-D	AD-SD	T210-A	C210			●	●	
		T245-A	C245			●	●	
		T470-A	C245			●	●	
	DN-SE	T210-NA*	C245			●		●
		T245-NA*						
		T470-NA*						
	AP-SD	AP250-A	C250			●	●	
	PA-SD	PA120-A	C120			●	●	
	HT-SD	HT420-A	C420			●	●	
	DS-SD	DS360-A	C360	●			●	
DR-SD	DR560-A	C560	●			●		

* The MN-A Nitrogen Flow Regulator is required.

Operation

The JBC Exclusive Heating System

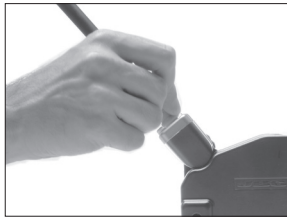
This revolutionary technology is able to recover tip temperature extremely quickly. This allows the user to work at a lower temperature. As a result, tip life increases up to 5.

1. Work



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

2. Sleep

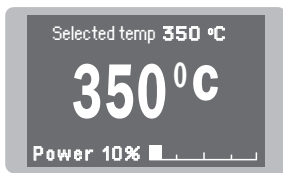


When the tool is in the stand, the temperature falls to the preset sleep temperature.

3. Hibernation



After longer periods of inactivity, the power is cut off and the tool cools down to room temperature.



- Change temperature (from 90 to 450°C)
- Select temperature levels
- Fix one temperature



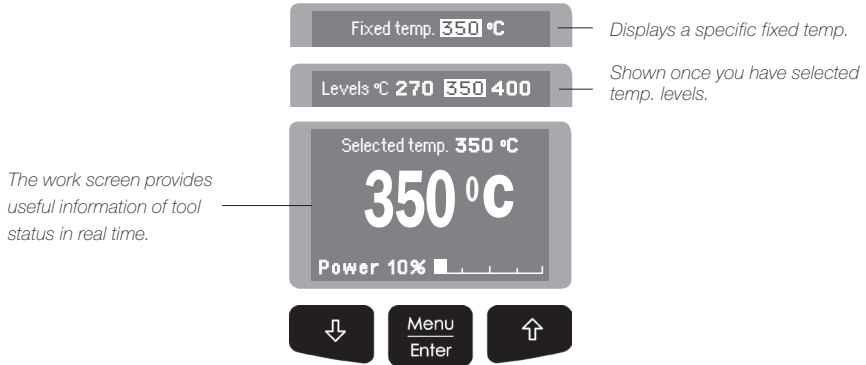
- Change Sleep temperature
- Set Sleep delay (from 0 to 9 min or no Sleep)



- Change Hibernation delay (from 0 to 60 min or no hibernation)

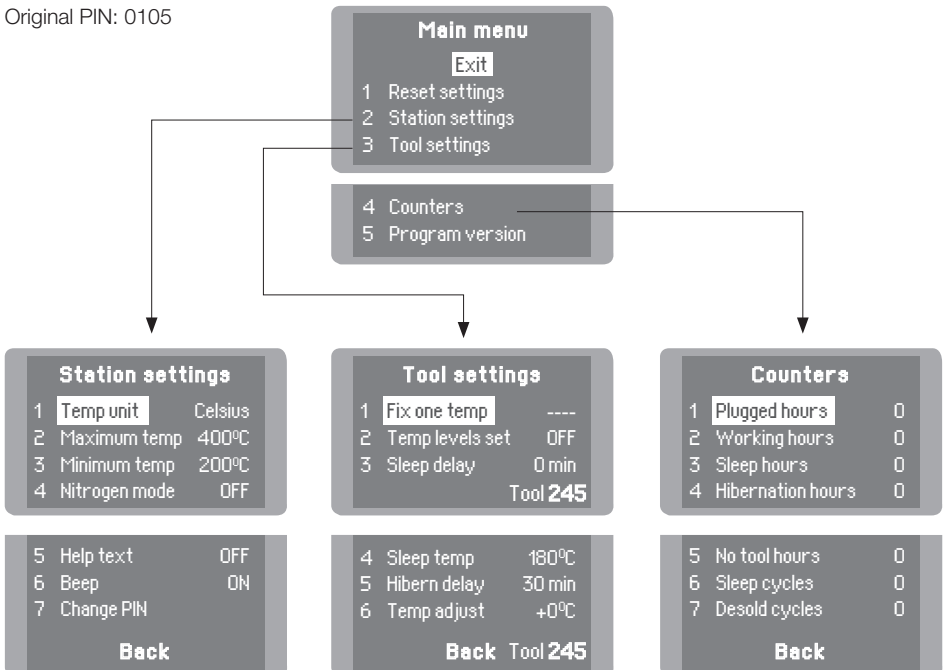
Control Process

Work Screen



Menu Screen

Original PIN: 0105



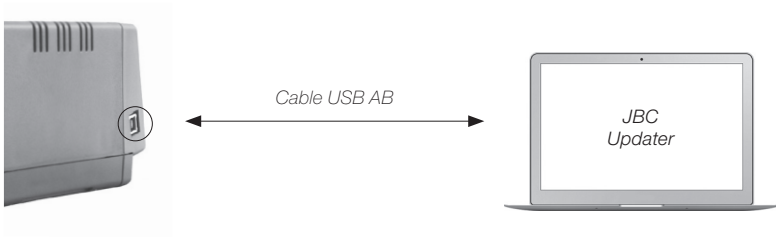
USB Connector

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

JBC Updater

www.jbctools.com/software.html

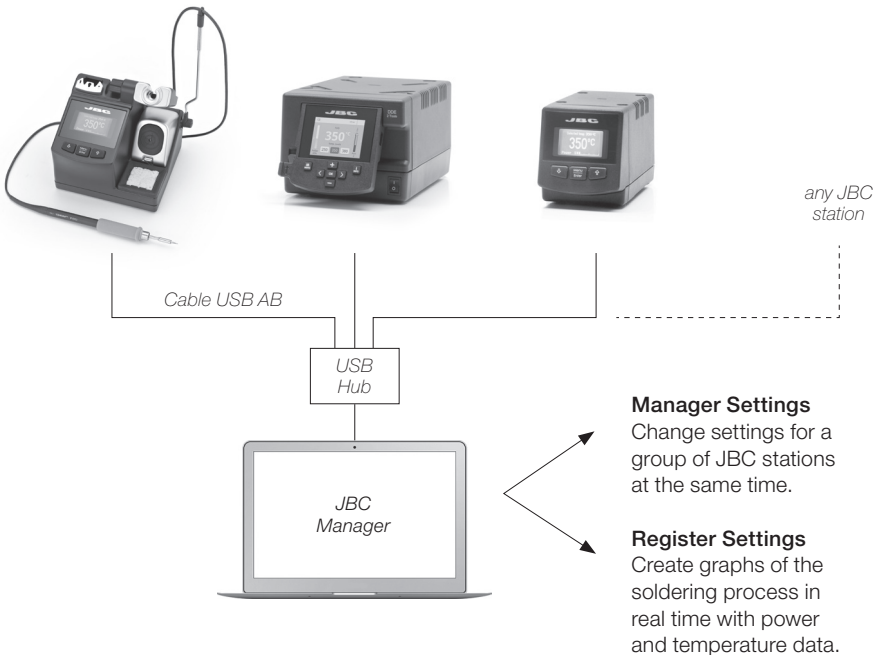
Update the station software via USB connection:



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.



Maintenance

Before carrying out maintenance, 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 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 cables and tubes.

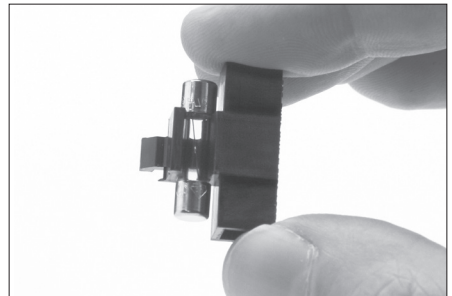
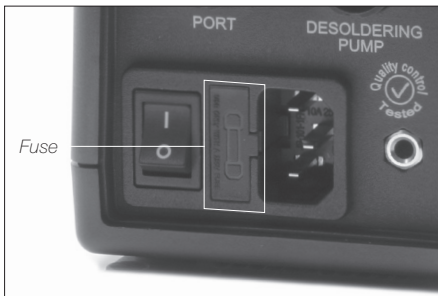
Clean periodically



- Replace a blown fuse as follows:

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

2. Insert the new fuse into the fuse holder and return it to the station.



- Replace any defective or damaged pieces. Only use original JBC spare parts.
- 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.
- Avoid the contact of flux 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 must not be carried out by children unless supervised.

有害物质含量表

产品中有害物质的名称及含量

部件名称	有害物质					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
烙铁头	○	○	○	○	○	○
手柄	○	○	○	○	○	○
电源线	○	○	○	○	○	○
主机	○	○	○	○	○	○
电源插座	○	○	○	○	○	○
保险丝	○	○	○	○	○	○
主开关	○	○	○	○	○	○
电位连接	X	○	○	○	○	○
变压器	○	○	○	○	○	○
线路板	X	○	○	○	○	○
<p>○ 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572 规定的限量要求以下。 X 表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572 规定的限量要求。</p>						

Exploded View

DI-1D 120V
DI-2D 230V
DI-9D 100V

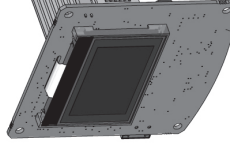
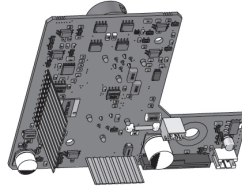
ONE-TOOL CONTROL UNIT
 FROM SERIE 168498

DI-1D / DI-2D / DI-9D



SPARE PARTS	
DI-1D / DI-2D / DI-9D:	
-CIRCUIT	0015109
-ENCLOSURE	
· TOP	0011435
· BOTTOM	0014032
· FRONT	0013830
· BACK	0003506

DI-1D 120V FUSE T-2A
 DI-2D 230V FUSE T-1A
 DI-9D 100V FUSE T-2,5A



0015109

Specifications

DI-1D 120V 50/60Hz. Input fuse: 2A. Output: 23.5V.

DI-2D 230V 50/60Hz. Input fuse: 1A. Output: 23.5V.

DI-9D 100V 50/60Hz. Input fuse: 2.5A. Output: 23.5V.

- Weight: 2,153 kg (4.74 lb)
- Dimensions: 90 x 105 x 180 mm (3.54 x 4.13 x 7.09 in)
- Output Peak Power CD-BE: 130W
- Temperature Range: 90 - 450 °C (190 - 840 °F) (±5%)
- Idle Temp. Stability (still air): ±1.5 °C / ±3 °F
- Tip to ground resistance: < 2 ohms
- Tip to ground voltage: < 2mV RMS
- Ambient operating temp: 10 - 40 °C (50 - 104 °F)
- Connections: USB-B / Peripherals connectors

Complies with CE standards.

ESD protected housing.

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 or misuse.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased. Please register your product warranty within 30 days of purchase in www.jbctools.com/productregistration.



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.



Manual in other languages available on our website

www.jbctools.com

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