www.jbctools.com

Product website

INSTRUCTION MANUAL

DI

1-Tool Control Unit

This manual corresponds to the following references:

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

Packing List

The following items are included:

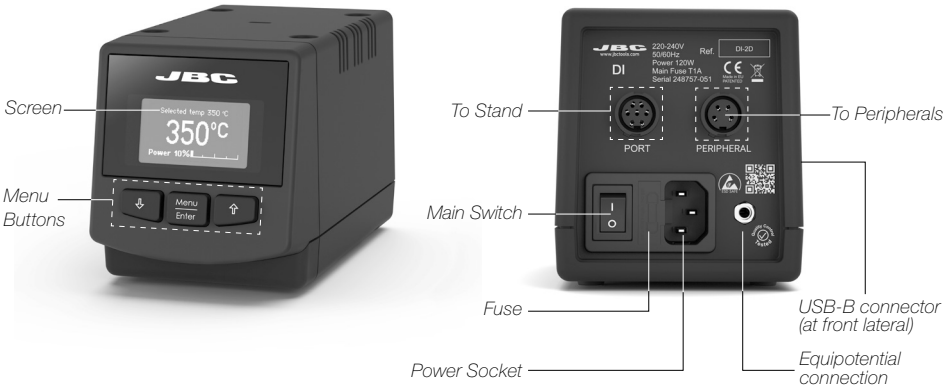
DI Control Unit ..... 1 unit

Power Cord ..... 1 unit
Ref. 0024092 (100V)
0023715 (120V)
0023714 (230V)

Manual .....1 unit
Ref. 0027025

Features

For a basic working system, 1 control unit + 1 stand + 1 tool and 1 cartridge are needed.



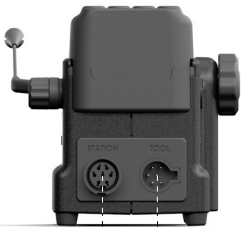
Connection Example - General Purpose Handle

DI 1-Tool Control Unit

Stand Cable*
Ref. 0024227

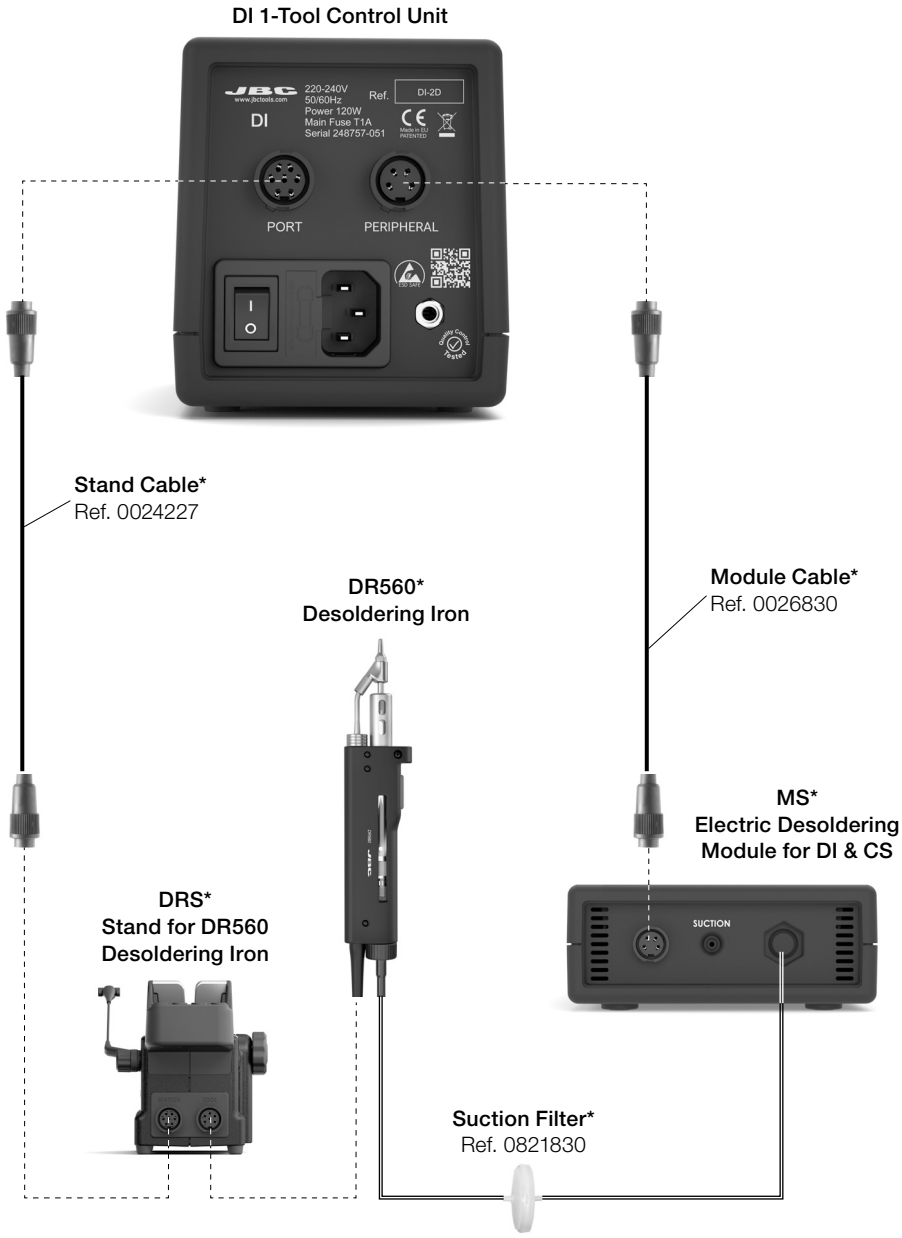
T245*
General Purpose
Handle

ADS*
Stand for
T210 & T245
Handles



not included, sold separately

Connection Example - Desoldering Iron

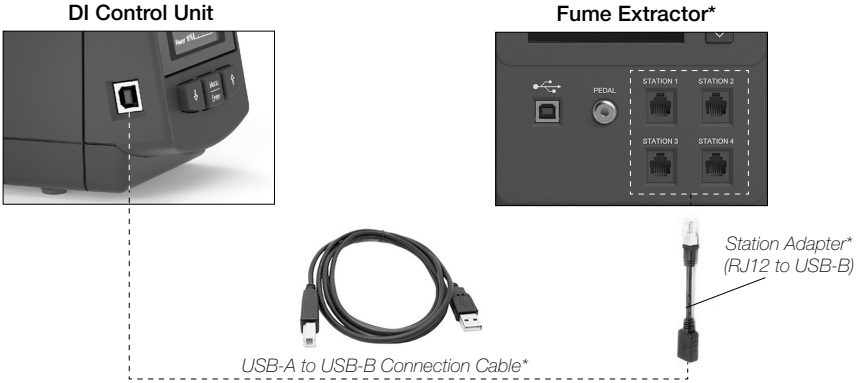


not included, sold separately

Connection Example - FAE Fume Extractor

JBC control unit DI can be connected to the fume extractor using the adpater and the USB-A/USB-B connection cable. This way, the fume extractor automatically starts extraction when the soldering tool is in use.

The minimum required software version for DI control units is 8886602. Download the latest software version from www.jbctools.com/software.html and update the control unit.



*not included, supplied with FAE

Compatibility

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

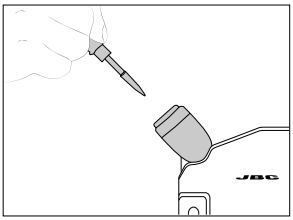
Modular System				Peripherals		
Control Unit	Stand	Tool	Cartridge Range	MS / MV	MN	P405
DI	ADS	T210	C210			
		T245	C245			
		T470				
	DNS	T210N	C210		●	●
		T245N	C245		●	●
	APS	AP250	C250			
	AMS	AM120	C120			
		PA120				
	ATS	AT420	C420			
	HTS	HT420				
	DSS	DS360	C360	●		●
	DRS	DR560	C560	●		●

Operation

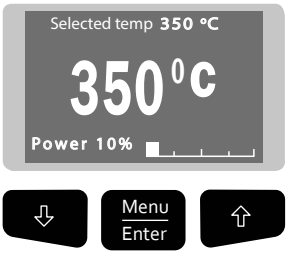
The JBC Most Efficient Soldering System

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

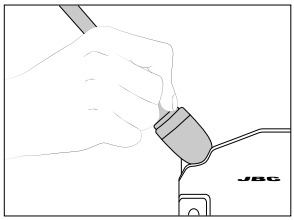


When the tool is lifted from the stand the tip will heat up to the selected temperature.



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

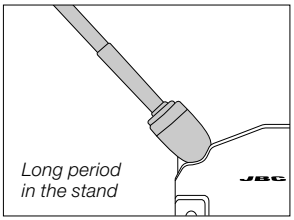
2. Sleep



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

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

3. Hibernation

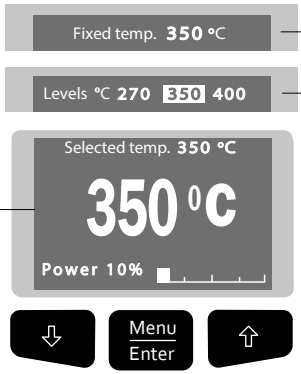


After longer periods of inactivity, the power is cut off and the tool cools down to room temperature.

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

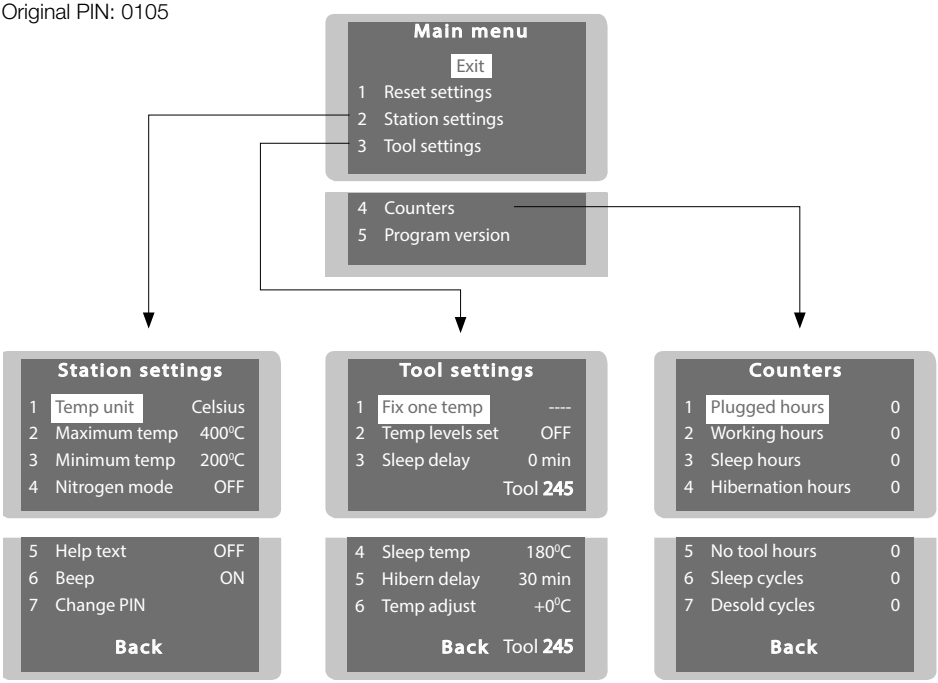
Control Process

Work Screen



Menu Screen

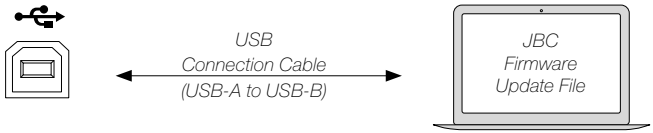
Original PIN: 0105



Compact Station Firmware Update

Compact Station can be updated via its USB-B connector by means of the USB connection cable.

The firmware update file can be downloaded from www.jbctools.com/software.html.



Maintenance

Before carrying out maintenance, always switch the device off and disconnect it from the mains. Allow the equipment to cool down.

- Clean the station display 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 the tool holder are clean so that the station can detect the tool's status.

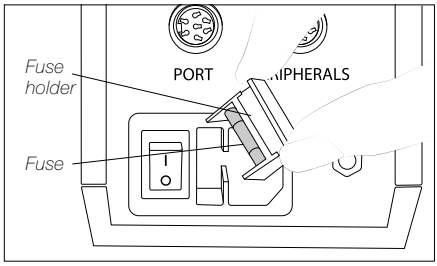
- Maintain the tip surface clean and tinned before storage to avoid tip oxidation. Rusty and dirty surfaces reduce heat transfer to the solder joint.

- Periodically check all cables.

- Replace any defective or damaged pieces. Only use original JBC spare parts.

- Repairs should only be performed by a JBC authorized technical service.

- EARTH FUSE When this warning appears on the main display, earthing fuse must be replaced.



- Replace a blown fuse as follows (applies to both the earthing fuse and the main fuse):

  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.

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 people 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.

Specifications

DI
1-Tool Control Unit
DI-1D 120V 50/60Hz. Input fuse: T2A. Output: 23.5V.
DI-2D 230V 50/60Hz. Input fuse: T1A. Output: 23.5V.
DI-9D 100V 50/60Hz. Input fuse: T2.5A. Output: 23.5V.

- Output Peak Power CD-BE:	130W
- Temperature Range:	90 - 450 °C / 190 - 840 °F (±5%)
- Idle Temp. Stability (still air):	±1.5 ºC / ±3 ºF
- Tip to Ground Voltage/Resistance:	Meets and exceed ANSI/ESD S20.20 IPC J-STD-001F
- Ambient Operating Temp:	10 - 40 ºC / 50 - 104 ºF
- Connections:	USB-B for remote control or FAE connection
- Control Unit Dimensions / Weight: (L x W x H)	180 x 94 x 106 mm / 2.250 kg 7.10 x 3.70 x 4.17 in / 4.96 lb
- Total Package Dimensions / Weight: (L x W x H)	220 x 213 x 160 mm / 2.525 kg 8.66 x 8.39 x 6.30 in / 5.57 lb

Complies with CE standards.
ESD safe.

JBC

Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labor.
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.
If you register, you will receive e-mail notifications about new software updates for your registered product.

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.

CE EAC UK CA

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