



# JBC DIU 1 Tool Control Unit Instruction Manual

[Home](#) » [JBC](#) » JBC DIU 1 Tool Control Unit Instruction Manual 

## Contents

- [1 JBC DIU 1 Tool Control Unit](#)
- [2 Packing List](#)
- [3 Features](#)
- [4 Connection Example](#)
- [5 Compatibility](#)
- [6 Operation](#)
- [7 Control Process](#)
- [8 USB Connector](#)
- [9 Maintenance](#)
- [10 Safety](#)
- [11 Specifications](#)
- [12 Documents / Resources](#)
  - [12.1 References](#)
- [13 Related Posts](#)

# JBC

**JBC DIU 1 Tool Control Unit**



## Packing List

The following items are included:



**DIU Control Unit** ..... 1 unit

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

**Manual** .....1 unit  
 Ref. 0027025

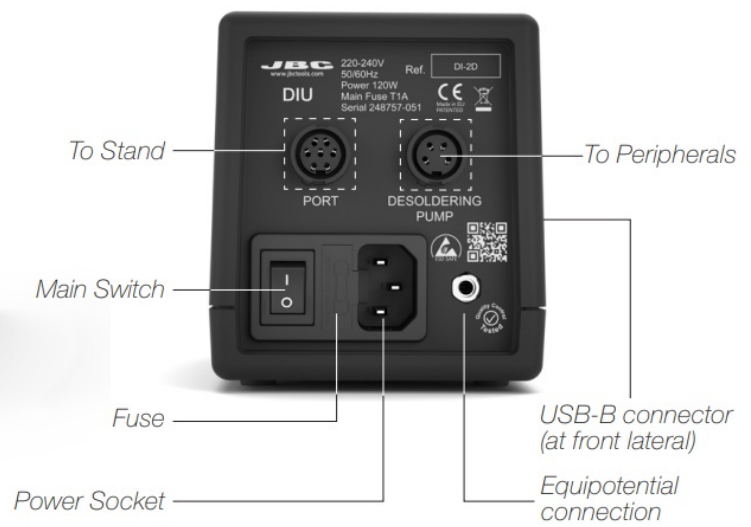
## Features

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



Screen

Menu  
Buttons



To Stand

To Peripherals

Main Switch

Fuse

Power Socket

USB-B connector  
(at front lateral)

Equipotential  
connection

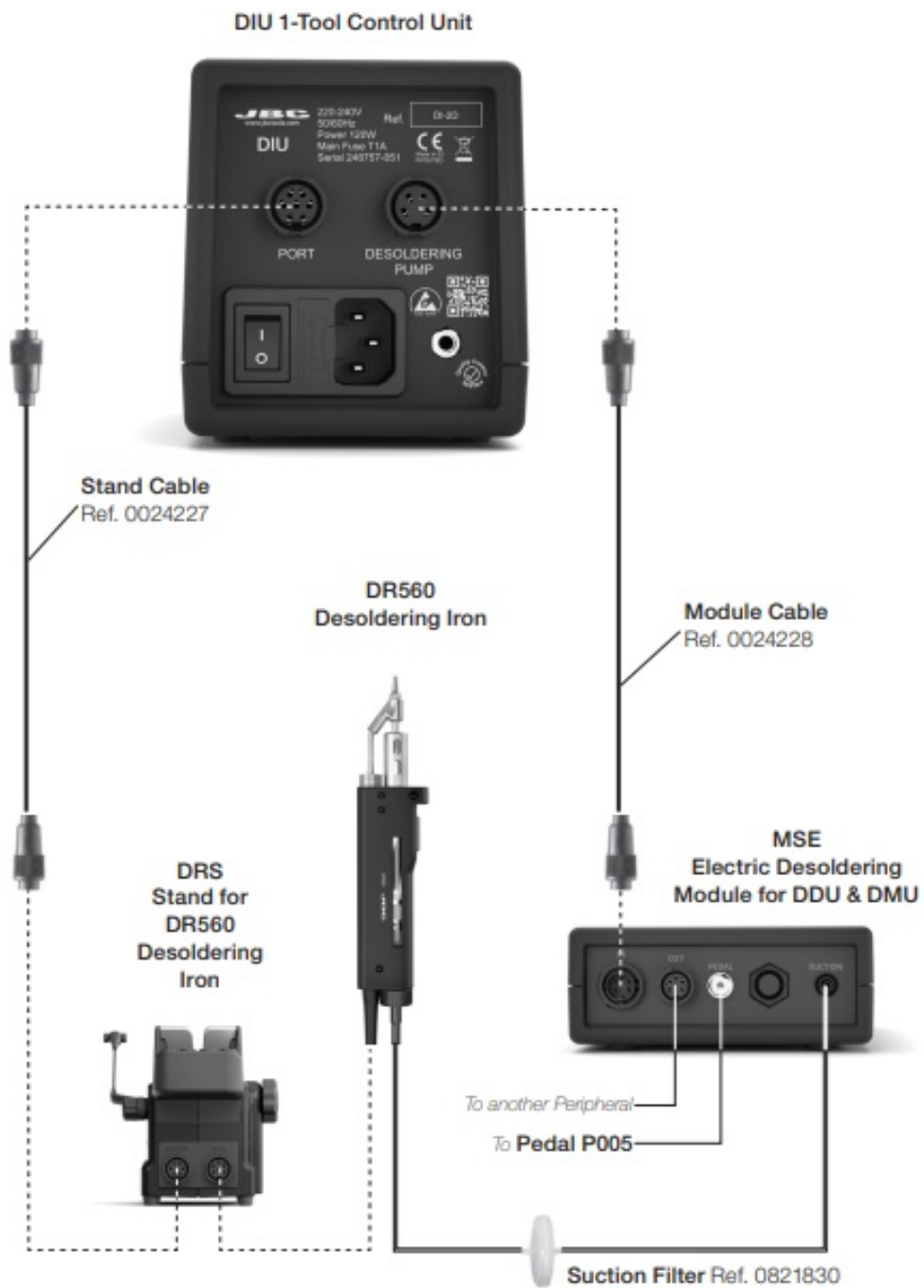
## Connection Example

## General Purpose Handle

## DIU 1-Tool Control Unit



**Desoldering Iron**



## Compatibility

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

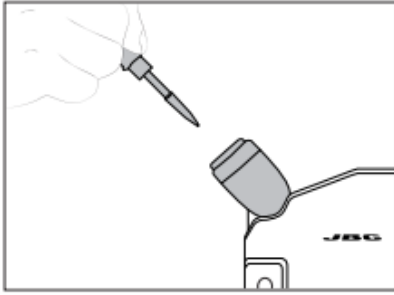
Modular System				Peripherals		
Control Unit	Stand	Tool	Cartridge Range	MS / MV	MN	P405
DIU	ADS	T210	C210			
		T245	C245			
		T470				
	DNS	T210N	C210		●	●
		T245N	C245		●	●
	APS	AP250	C250			
	AMS	AM120	C120			
		PA120				
	ATS	AT420	C420			
	HTS	HT420				
	DSS	DS360	C360	●		●
	DRS	DR560	C560	●		●

## Operation

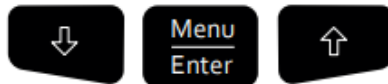
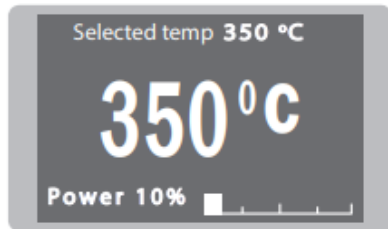
The JBC Most Efficient Soldering System

Our revolutionary technology is able to recover tip temperature extremely quickly. It means the user can work at a lower temperature and improve the The tip temperature is further reduced thanks to the Sleep and Hibernation modes ncrease up to 5 times the life of the tip.

### 1. Work

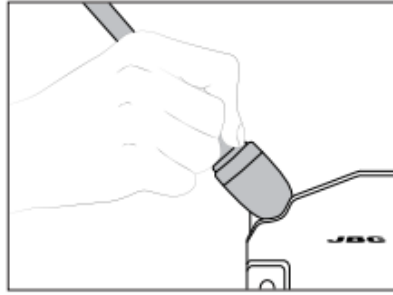


When the tool is lifted from the stand the tip will heat up to the selected temperature.

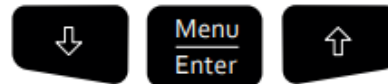


- Change temperature (from 90 to 450°C)
- Select temperature levels
- Fix one temperature

### 2. Sleep

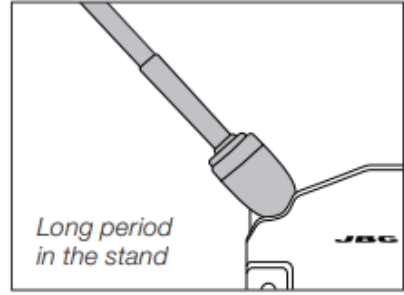


When the tool is in the stand, the temperature falls to the preset Sleep temperature.

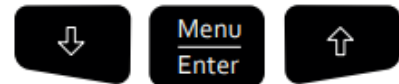
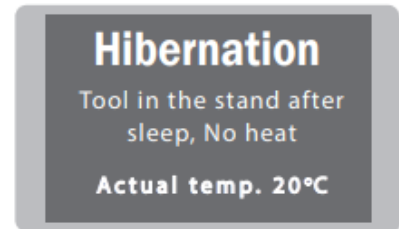


- Change Sleep temperature
- Set Sleep delay (from 0 to 9 min or no Sleep)

### 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)

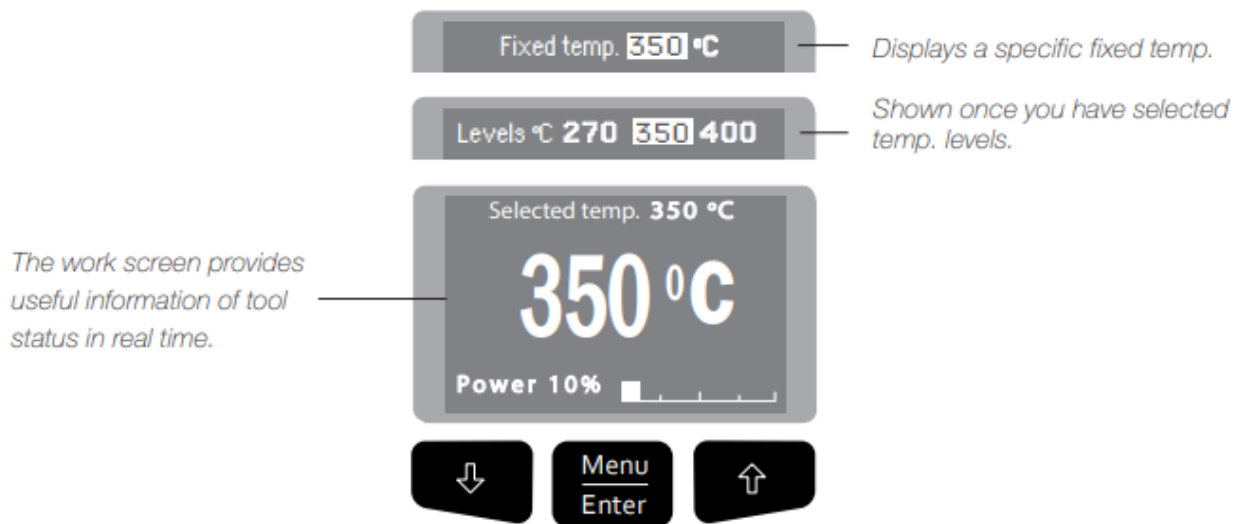
#### 1. Work

#### 2. Sleep

#### 3. Hibernation

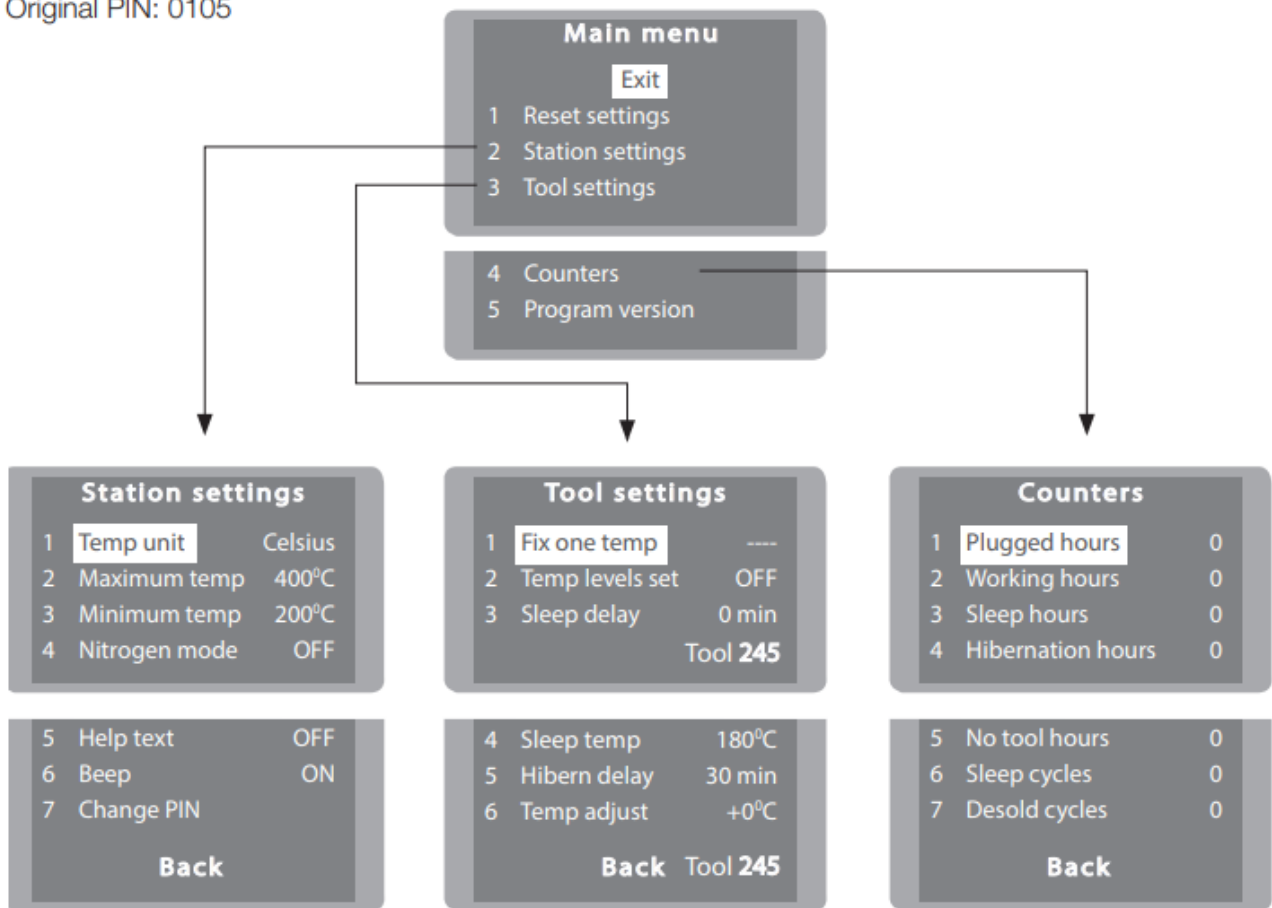
### Control Process

#### 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](http://www.jbctools.com/software.html)

Update the station software via USB connection:

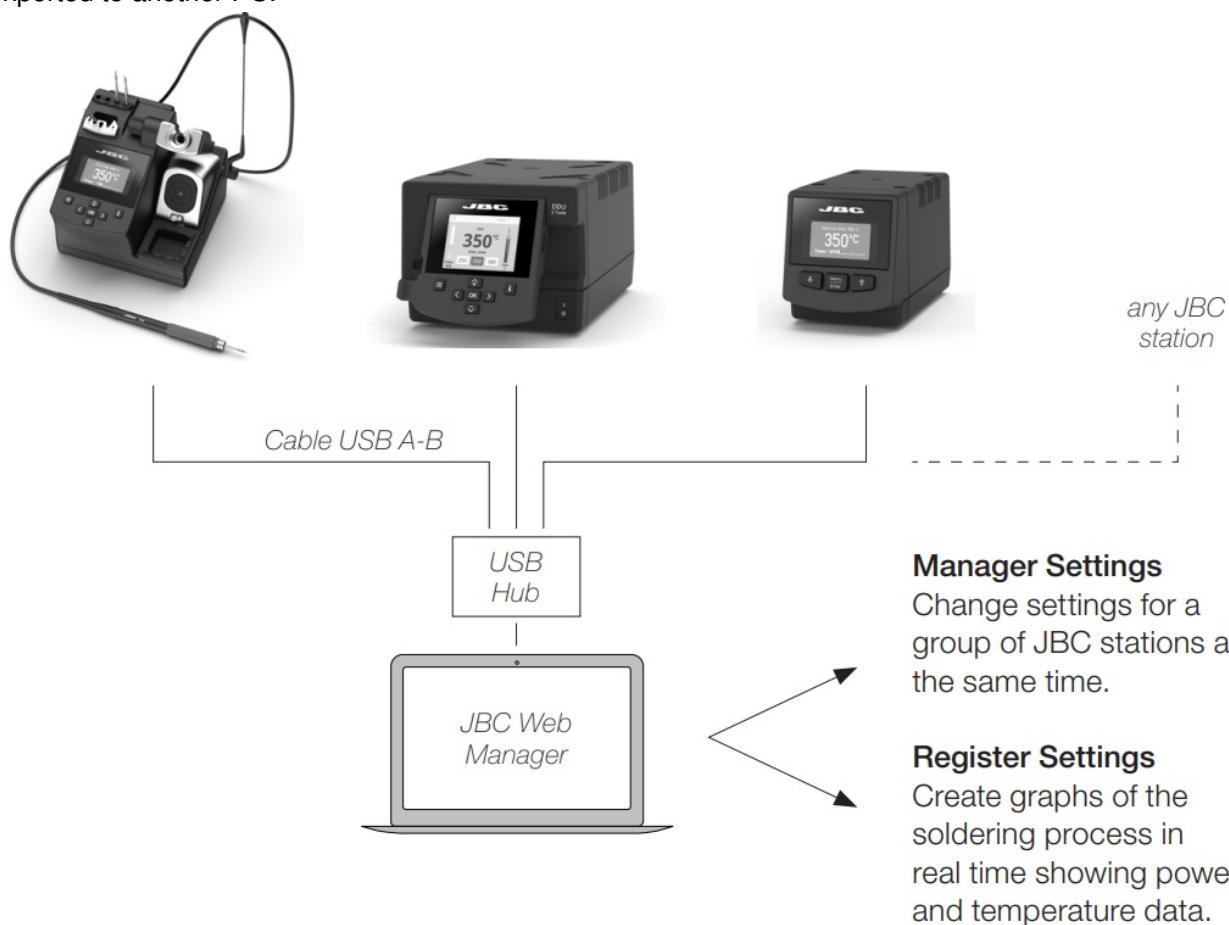




## JBC Web Manager Lite

[www.jbctools.com/manager.html](http://www.jbctools.com/manager.html)

Manage and monitor as many stations as your PC can handle by using JBC Web Manager Lite. Data can be exported to another PC.



## Maintenance

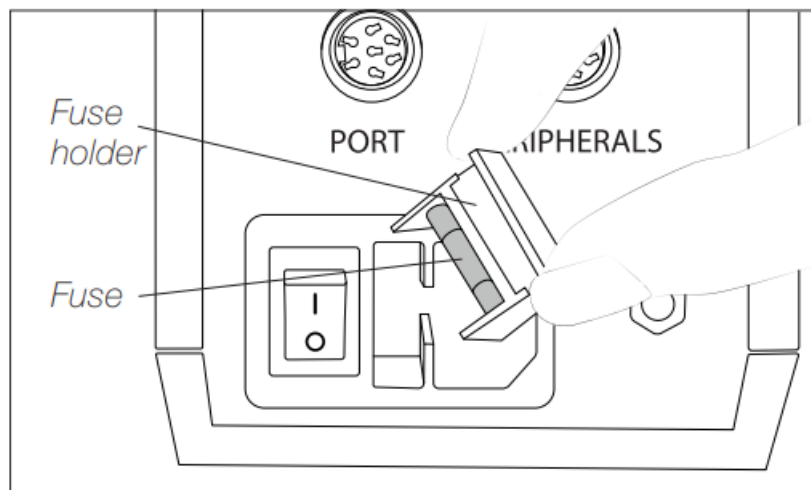
Before carrying out maintenance, always Switch the device off and disconnect it from the mains. Allow the equipment to cool down.

*clean periodically*



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

**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.

## Safety

- 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.

## Specifications

DIU 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:
- Temperature Range:
- Idle Temp. Stability (still air):
- Tip to Ground Voltage/Resistance:
- Ambient Operating Temp:
- Connections:
- Control Unit Dimensions / Weight:(L x W x H) 130W
- 90 – 450 °C / 190 – 840 °F (±5%)
- ±1.5 °C / ±3 °F
- Meets and exceed
- ANSI/ESD S20.20-2014 IPC J-STD-001F 10 – 40 °C / 50 – 104 °F
- USB-B / Peripherals connectors
- 180 x 94 x 106 mm / 2.153 kg
- 7.10 x 3.70 x 4.17 in / 4.75 lb

## Documents / Resources

 <p>JBC www.jbcheat.com INSTRUCTION MANUAL</p> <p>DIU 1-Tool Control Unit</p>	<p><a href="#">JBC DIU 1 Tool Control Unit</a> [pdf] Instruction Manual DIU, 1 Tool Control Unit, DIU 1 Tool Control Unit, DI-9D, DI-1D, DI-2D</p>
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## References

- [JBC Manager DOWNLOAD](#)
- [JBC DOWNLOAD SOFTWARE](#)
- [JBC Warranty Extension](#)