

JBC

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INSTRUCTION MANUAL



P005

Pedal + Adapter Kit

This manual corresponds to the following references:

P-005

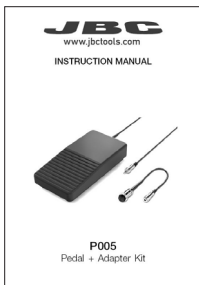
Packing List

The following items are included:



Pedal1 unit

Adapter1 unit

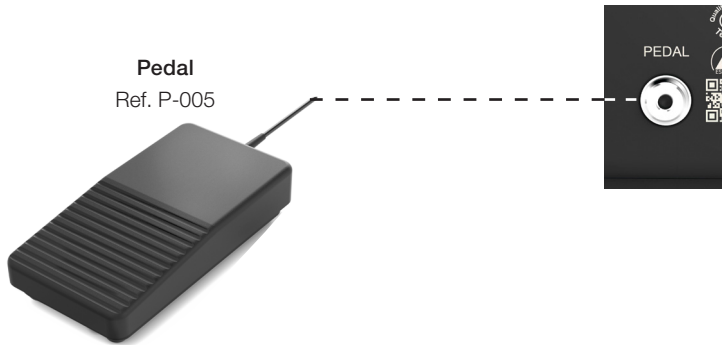


Manual 1 unit

Ref. 0028920

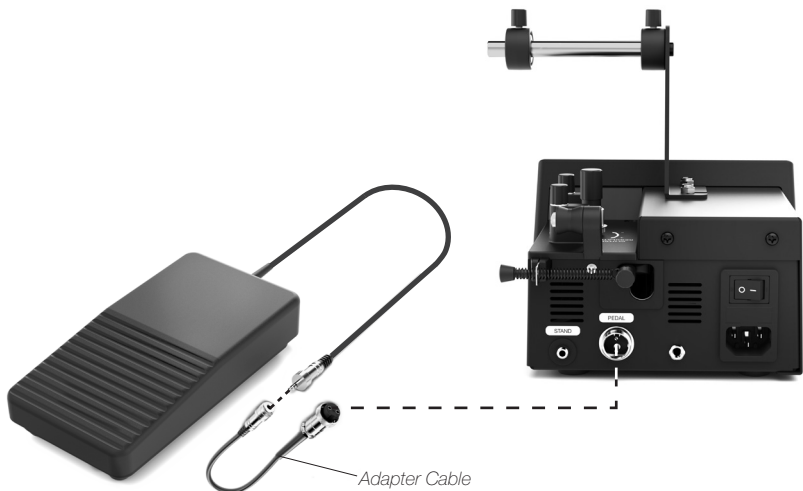
Connection to Control Units or Peripherals

Connect the pedal to JBC station or peripherals. The connector is identified by the designation "PEDAL".



Connection to AL

Connect the pedal by means of the adapter cable to the AL station. The connector at the rear of the station is identified by the designation "PEDAL".



Pedal Compatibility

P005 is compatible with JBC devices as shown in the table in the highlighted column.

P305* and P405* is also shown in the table below.

Marked with ○ means pedal P005 cannot be connected directly to JBCs control unit. A module must be used (See next pages "Pedal Set Up").

		Pedals		
		P405*	P305*	P005
Control Unit	DIU		●	
	DDU	○	●	○
	DMU	○	●	○
	HDU	○	●	○
	JNAU	●		●
	JTU	●		●
	WSU		●	
	ALU	●		●
	NAU	●		●
Station	AL			●
Module	MSE	●		●
	MVE	●		●
	MNE	●		●
Preheater	PHNK	●		●
	PHSK	●		●
	PHBK	●		●
	PHXK	●		●
Fume Extractor	FAE1	●		●
	FAE2	●		●

* not included, sold separately

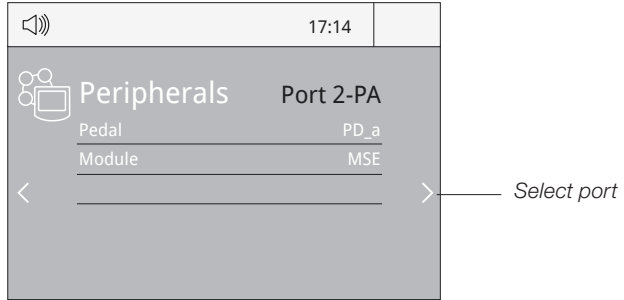


Pedal Set Up for:

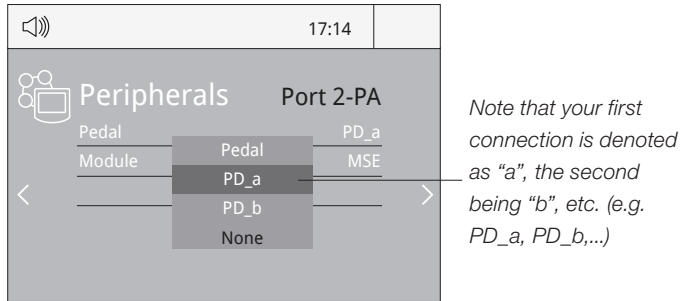
- DDU, HDU, NAU, JNAU, JTU, ALU (Control Units)
- PHNK, PHSK, PHBK, PHXK (Preheaters)

Note: Peripheral moduls - MSE, MVE or MNE - are needed to connect the pedal to DDU y HDU.

1. Enter the **Peripherals** Menu and **select the port** which you want to join to the pedal.



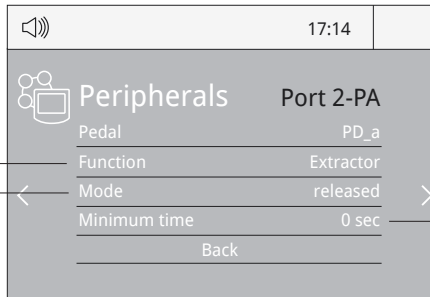
2. Select the pedal from the list.



3. Set the pedal function according to your work needs:

Select how the pedal acts: as **Sleep**, **Extractor** (hibernation) or as a **module** switch.

Select the activating mode of the pedal (**pressed/released**)



Set the duration of the activation time when pressing the pedal once*. For continuous functioning keep the pedal pressed.

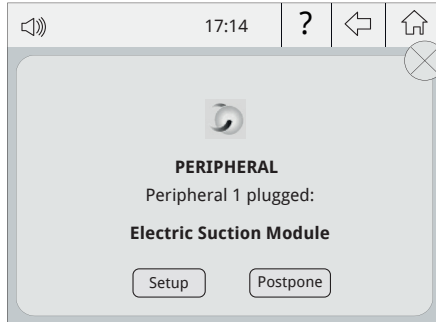
*NB: The same can be applied inversely by continually pressing the pedal and releasing to activate.



Pedal Set Up for DMU (Control Unit)

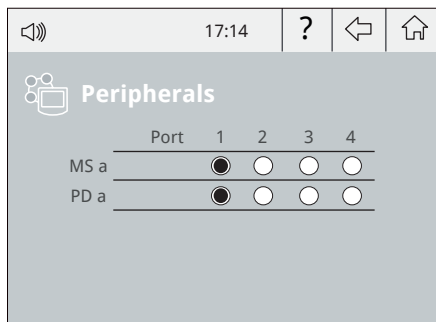
Note: Peripheral moduls - MSE, MVE or MNE - are needed to connect the pedal to DMU. After connecting one of the mentioned moduls to the station a popup window opens.

1. To configure the module MSE/MVE/MNE press Setup in the popup window.



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. MS_a, MS_b,...). Do the same with the pedal (e.g. PD_a,...)

3. Select the port of the tool you want to link to the peripheral.



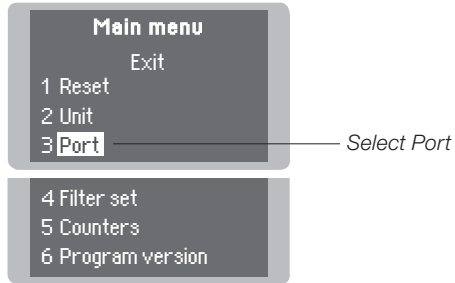
4. Press Menu or Back to save changes.

Once set up, the module settings can be changed by entering the **Peripherals** Menu .

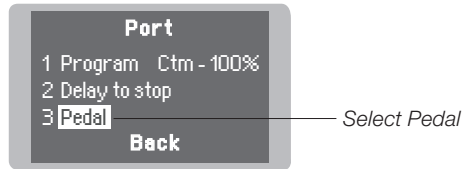


Pedal Set Up for FAE1, FAE2 (Fume Extractors)

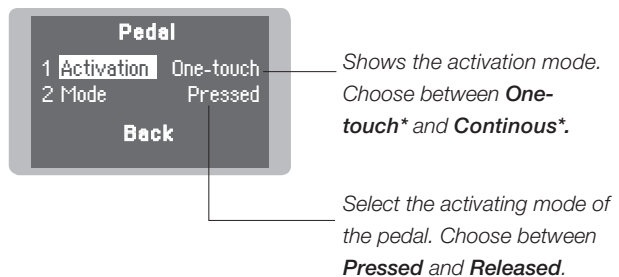
1. Enter the **Main Menu** and select **Port**.



2. At the Port Menu select **Pedal**.



3. Set the pedal function according to your work needs:



* **One-touch** activates the pedal function until pressed twice. **Continuous** activates the pedal function while pressing the pedal.



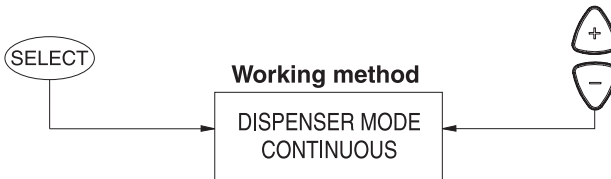
Pedal Set Up for AL (Auto Feed Soldering Station)

The choosed wire dispensing operation mode will be applied for the tool button as well as for the pedal activation.

The working mode can be switched to:

- **Continous:** Solderwire is being fed constantly as long as the pedal or the tool button is activated.
- **Discontinous:** A predetermined solder wire amount is being fed every time the pedal or tool button is being pressed.

Navigate through the menu by pressing **SELECT** , use **+** or **-** to change the value. Confirm the selection by pressing **SELECT** .

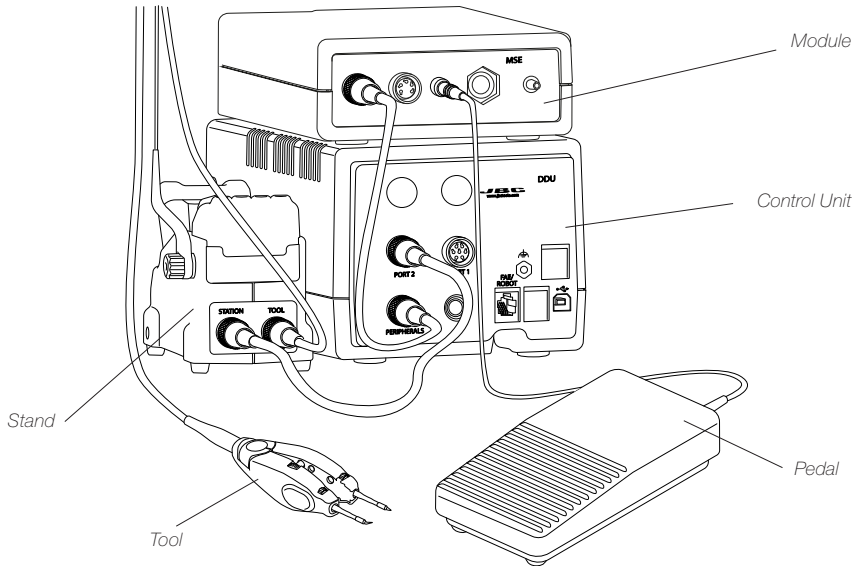


Example: Chip Components Rework Process using Tweezers and Pedal

The Pedal is frequently used to rework components with tweezers.

The adjustable micro tweezers of the AM120 JBC not only provide a perfect solution for SMD chip components and small/medium SOP of PCB assemblies, but also facilitate their quick placement and soldering using the P005 pedal.

1

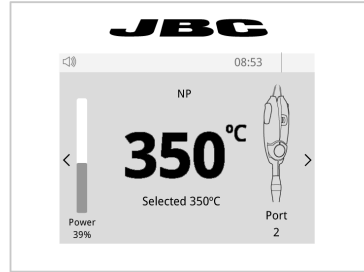
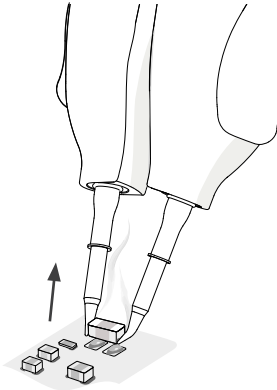


Connections

Connect the stand and the module to to the control unit. The Tool must be connected to the stand. Then connect pedal P005 to the module.

In the peripherals menu for the “Pedal Activation Mode” choose between “pressed” and “released” for the pedalactivation mode (see page 5).

2



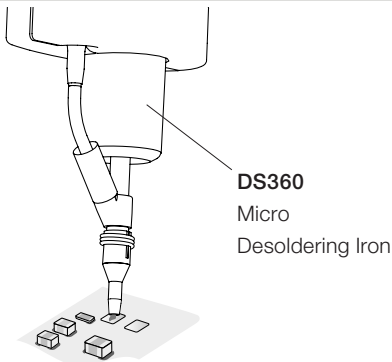
Desoldering*

Lift the tool from the holder, press and hold the pedal to activate the tool and desolder the component.

Once the pedal is released the tool enters in hibernation mode and cools down.

* "Press Mode" previously selected

3

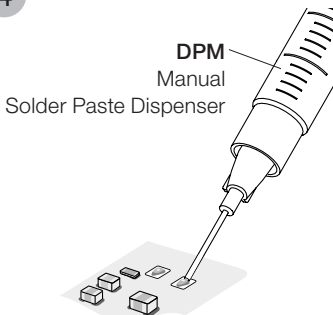


Pad Cleaning

Clean the pads with JBC's desoldering tool DS360.

For this operation JBC's desoldering station DSS is needed.

4

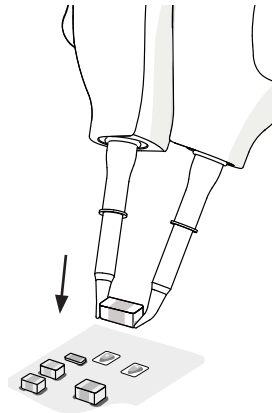


Solder Paste Dispensing

Apply the solder paste amount needed to solder the new chip component.

The use of JBC's DPM solder paste dispenser is recommended.

5



Placing

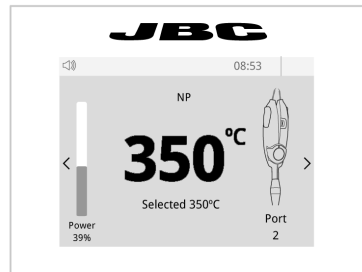
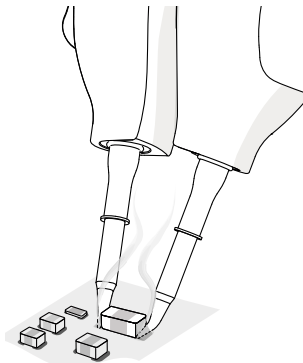
Do not press the pedal.

Use the tool to position the component on the previously tinned pad.

Note:

The inactive tool prevents the component from heating up prematurely.

6



Soldering

Once in position press and hold the pedal to activate the tool and perform the soldering.

Specifications

P005

Pedal + Adapter Kit

Ref. P-005

- Cable length: 1.9 m / 74.80 in
- Total Net weight: 414 g / 0.91 lb

- Total Package Dimension / Weight: 300 x 125 x 65 mm / 560 g
(L x W x H) 11.81 x 4.92 x 2.56 in / 1.23 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 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.



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.



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