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INSTRUCTION MANUAL



P405

Pedal

This manual corresponds to the following references:

P-405

Packing List

The following items are included:



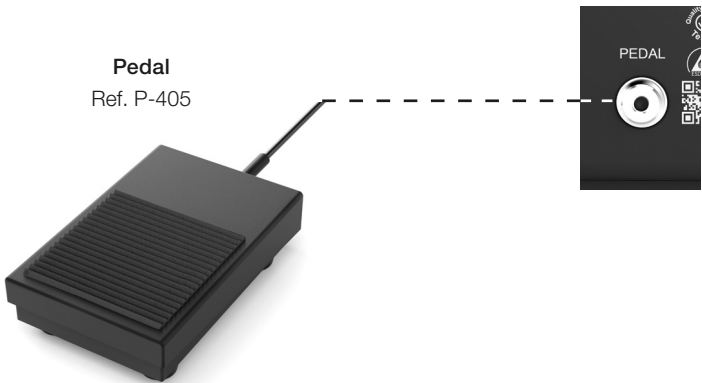
Pedal1 unit



Manual 1 unit
Ref. 0028917

Connections

Connect the pedal to a JBC station or peripheral. The female connector is indicated with “PEDAL”.



Pedal Compatibility

P405 is compatible with JBC devices as shown on the table in the highlighted column.

P305* and P005* are also displayed on the table.

Marked with ○ means pedal P405 cannot be connected directly to JBC's control unit. A module must be used (See next pages "Pedal Setup").

		Pedals		
		P405	P305*	P005*
Control Unit	DI		●	
	DDE	○	●	○
	DME	○	●	○
	HDE	○	●	○
	JNA	●		●
	JTSE	●		●
	WS		●	
	ALE	●		●
	NAE	●		●
Station	ALE	●		●
Module	MSE	●		●
	MVE	●		●
	MNE	●		●
Preheater	PHNE	●		●
	PHSE	●		●
	PHBE	●		●
	PHXLE	●		●
Fume Extractor	FAE1	●		●
	FAE2	●		●

* Not included, sold separately.



Pedal Setup for:

- DDE, HDE, NAE, JNA, JTSE, ALE (Control Units)
- PHNE, PHSE, PHBE, PHXLE (Preheaters)

Note: Peripheral modules - MSE, MVE or MNE - are needed to connect the pedal to DDE and HDE.

1. Enter the **Peripherals** menu and **select the port** to which you want to link the pedal.

Speaker icon

17:14

Peripherals

Port 2-PA

Pedal	PD_a
Module	MSE

<

>

Select port

2. Select the pedal from the list.

Speaker icon

17:14

Peripherals

Port 2-PA

Pedal	PD_a
Module	MSE

<

>

Note that your first connection is denoted as "a", the second being "b", etc. (e.g. PD_a, PD_b,...)

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**)

Speaker icon

17:14

Peripherals

Port 2-PA

Pedal	PD_a
Function	Extractor
Mode	released
Minimum time	0 sec
Back	

<

>

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 reversely by continuously pressing the pedal and releasing to activate.



Pedal Setup for DME (Control Unit)

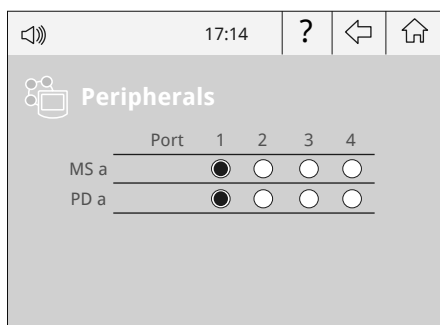
Note: Peripheral modules - MSE, MVE or MNE - are needed to connect the pedal to DME. After connecting one of the mentioned modules to the station a popup window opens.

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 that you want to link to the peripheral.



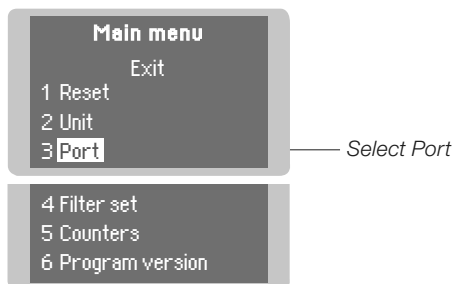
4. Press Menu or Back to save changes.

Once set up, the module settings can be modified in the **Peripherals** menu .

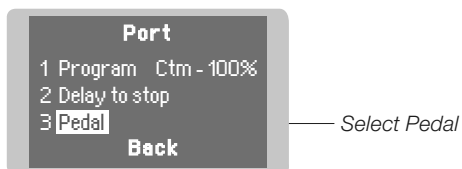


Pedal Set Up for FAE1, FAE2 (Fume Extractors)

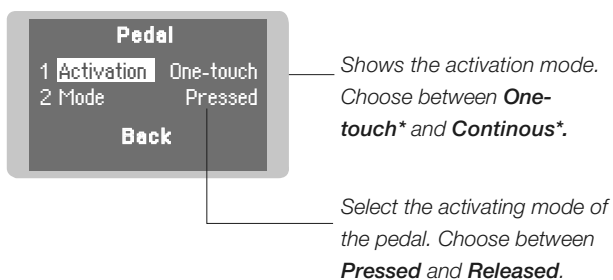
1. Enter the **Main menu** and select **Port**.



2. On the Port menu, select **Pedal**.



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



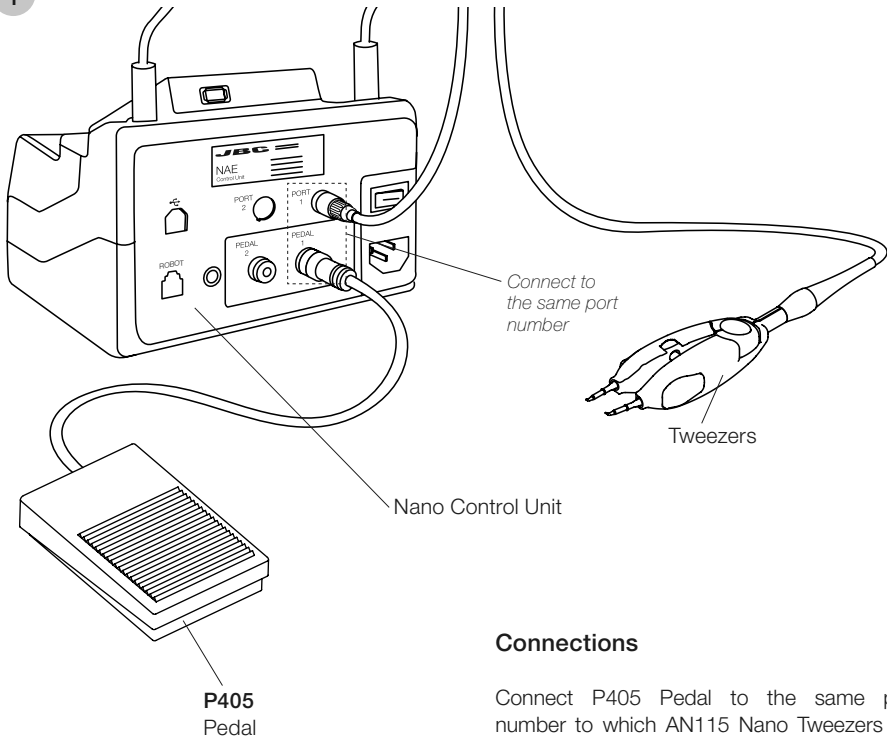
* **One-touch** activates the pedal function until pressed twice. **Continuous** activates the pedal function while pressing the pedal.

Example: Chip Component Rework Process using Tweezers and Pedal

The pedal is frequently used to rework components with tweezers.

AN115, JBC's Adjustable Nano Tweezers, is the most effective tool for desoldering chip components. It also facilitates rapid placement and soldering of the components by using P405 Pedal with JBC's NAE Control Unit.

1

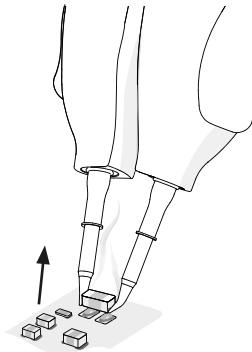


Connections

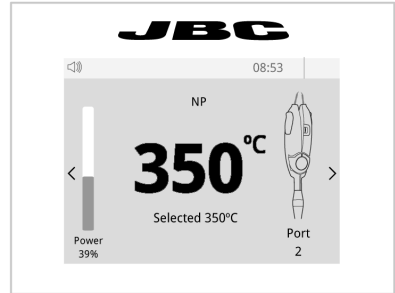
Connect P405 Pedal to the same port number to which AN115 Nano Tweezers are connected.

In the Peripherals menu, for "Pedal Activation Mode" choose between "pressed" and "released".

2



* "Press Mode" previously selected

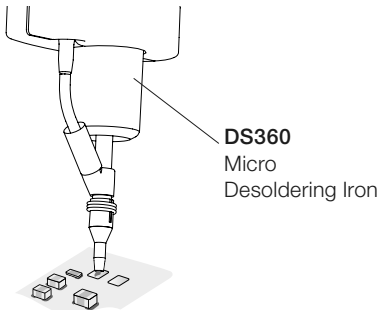


Desoldering*

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

Once the pedal is released, the tweezers enter in hibernation mode and cool down.

3

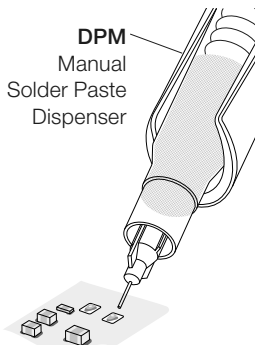


Pad Cleaning

Clean the pads with JBC's desoldering tool DS360.

For this operation, JBC's desoldering station CS is needed.

4

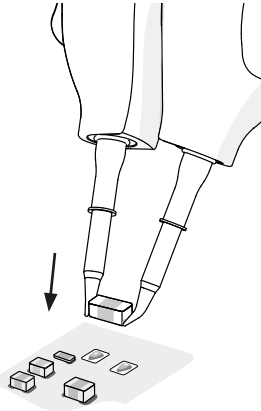


Solder Paste Dispensing

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

It is recommended to use JBC's DPM Solder Paste Dispenser.

5



Placing

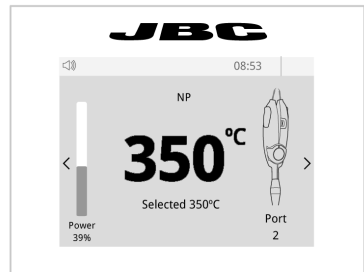
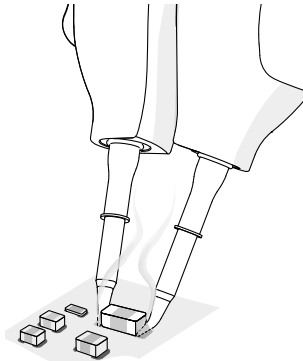
Do not press the pedal.

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

Note:

The inactive tweezers prevent the component from heating up prematurely.

6



Soldering

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

Notes

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Specifications

P405

Pedal

Ref. **P-405**

- | | |
|---|---|
| - Cable Length: | 1.9 m / 74.80 in |
| - Total Net Weight: | 232 g / 0.51 lb |
| - Total Package Dimensions / Weight:
(L x W x H) | 155 x 85 x 55 mm / 255 g
6.10 x 3.35 x 2.17 in / 0.56 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.



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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