JBC

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INSTRUCTION MANUAL



P405

Pedal

This manual corresponds to the following references:

P-405

Packing List

The following items are included:



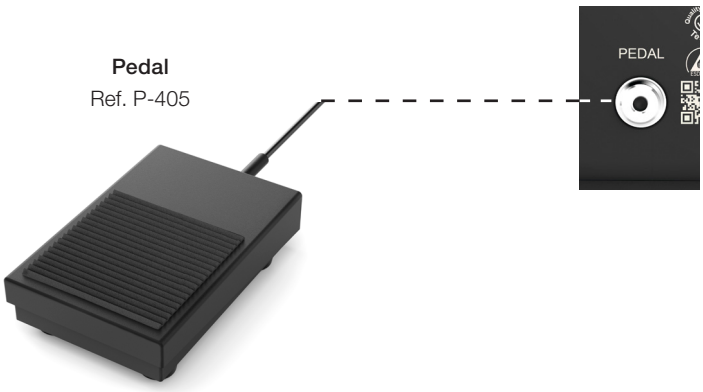
Pedal .....1 unit



Manual ..... 1 unit
Ref. 0028917

Connections

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



Pedal Compatibility

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

P305* and P005* is also shown in the table below.

Marked with ◯ means pedal P405 cannot be connected directly to JBCs control unit. A module must be used *(See next pages "Pedal Set Up").*

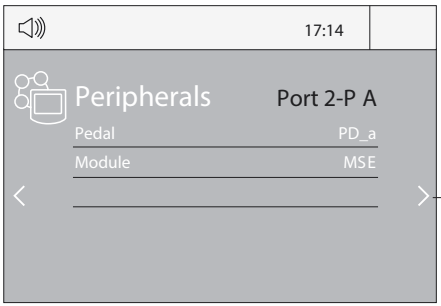
		Pedals		
		P405	P305*	P005*
Control Unit	DI		●	
	DDE	◯	●	◯
	DME	◯	●	◯
	HDE	◯	●	◯
	JNASE	●		●
	JTSE	●		●
	WS		●	
	ALE	●		●
	NAE	●		●
Station	ALE	●		●
Module	MS/MSE	●		●
	MV/MVE	●		●
	MN/MNE	●		●
Preheater	PHNE	●		●
	PHSE	●		●
	PHBE	●		●
	PHXLE	●		●
Fume Extractor	FAE1	●		●
	FAE2	●		●

** not included, sold separately*

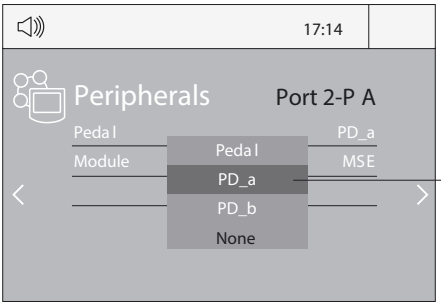
Pedal Set Up for:
- DDU, HDU, NAU, JNAU, JTU, ALU (Control Units)
- PHNK, PHSK, PHBK, PHXK (Preheaters)

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.



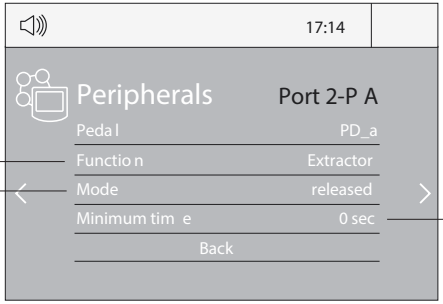
2. Select the pedal from the list.



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)

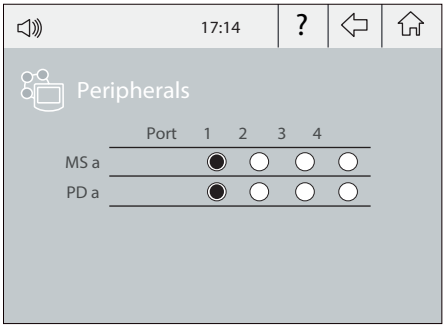
Note: Peripheral moduls - MSE, MVE or MNE - are needed to connect the pedal to DMU.
After connecting one of the mentioned moduls to the station a popup window opens.

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,...)

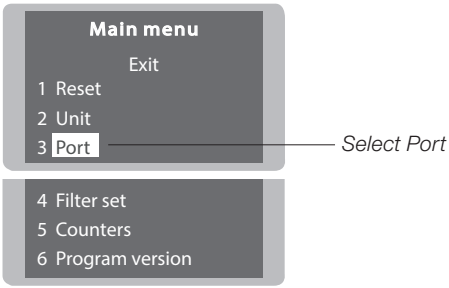
3. Select the port of the tool you want to link to the peripheral.



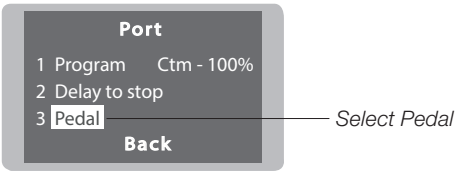
4. Press Menu or Back to save changes.
Once set up, the module settings can be changed by entering the **Peripherals** Menu .

Pedal Set Up for FAE1, FAE2 (Fume Extractors)

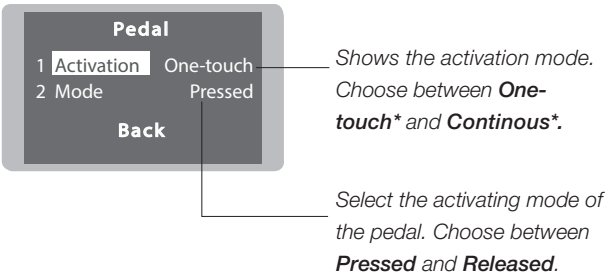
1. Enter the **Main Menu** and select **Port**.



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



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



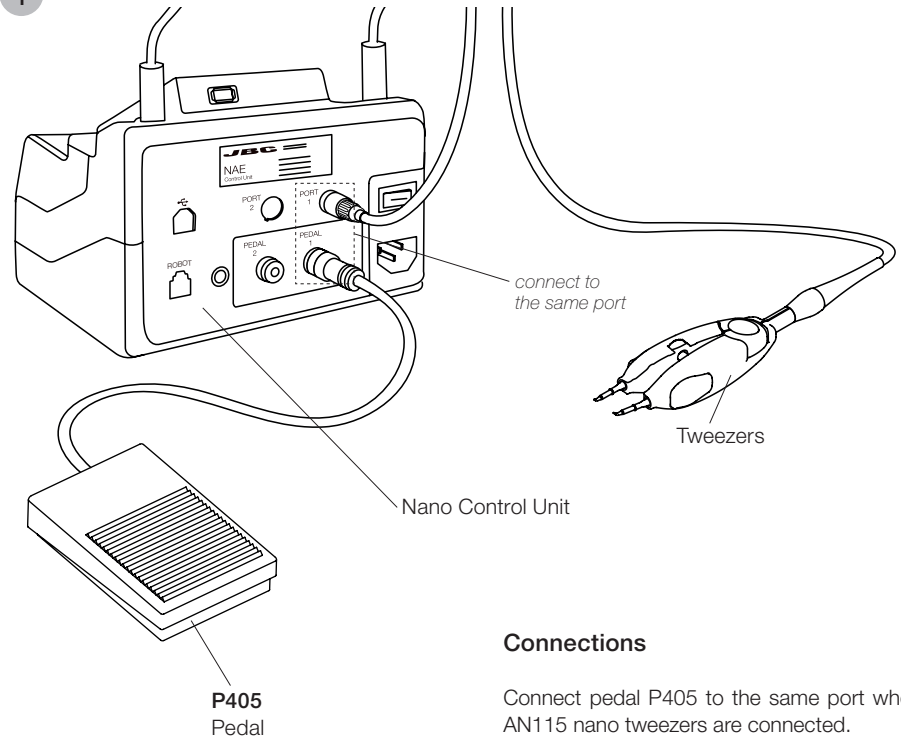
** **One-touch** activates the pedal funtion until pressed twice. **Continous** activates the pedal function while pressing the pedal.*

Example:
Chip Compoments Rework Process using Tweezers and Pedal

The Pedal is frequently used to rework components with tweezers.

AN115, JBCs Adjustable Nano Tweezers, is the most effective tool for desoldering chip components but also it facilitates its rapid placement and soldering by using P405 pedal connected to JBC´s NAS station.

1

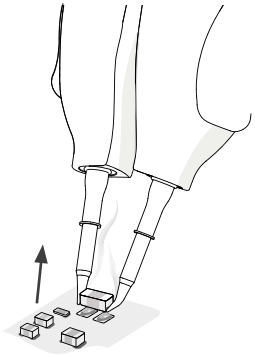


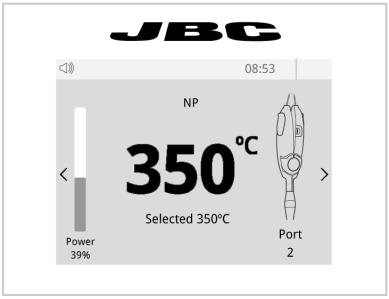
Connections

Connect pedal P405 to the same port where AN115 nano tweezers are connected.

In the peripherals menu for the “Pedal Activation Mode” choose between “pressed” and “released”.

2





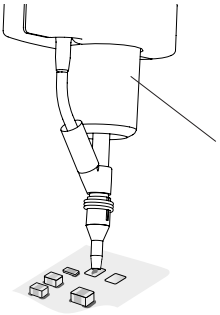
Desoldering*

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 enters in hibernation mode and cools down.

** "Press Mode" previously selected*

3



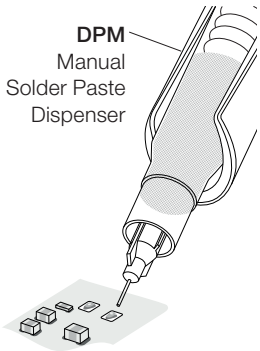
DS360
Micro
Desoldering Iron

Pad Cleaning

Clean the pads with JBC´s desoldering tool DS360.

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

4



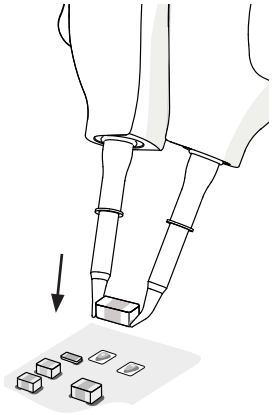
DPM
Manual
Solder Paste
Dispenser

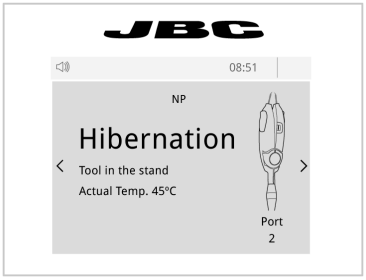
Solder Paste Dispensing

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

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

5





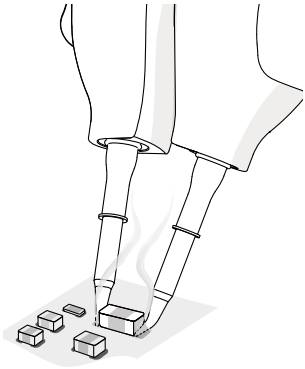
Placing

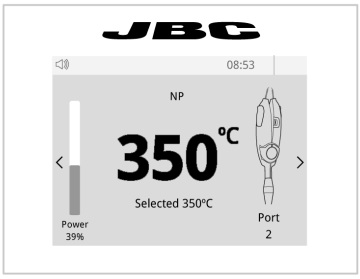
Do not press the pedal.

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

Note:
The inactive tweezers prevents 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

Notes

Specifications

P405
Pedal
Ref. **P-405**

- Cable length:	1.9 m / 74.80 in
- Total Net weight:	232 g / 0.51 lb
- Total Package Dimension / Weigt: (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 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.

CE EAC

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