

# **JBC**

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

## **INSTRUCTION MANUAL**



## **Universal Tip Cleaner Non-Metal Brushes**

Ref. CLMU-PA

# Packing List

The following items should be included:

**Universal Tip Cleaner** ..... 1 unit  
**Non-Metal Brushes**  
Ref. CLMU-PA

**CLMU-PA Non-Metal Brushes** ..... 1 unit  
Ref. CLMU-P1  
Brushes already installed inside the cleaner



**AC Adapter** ..... 1 unit  
Ref. 0022529

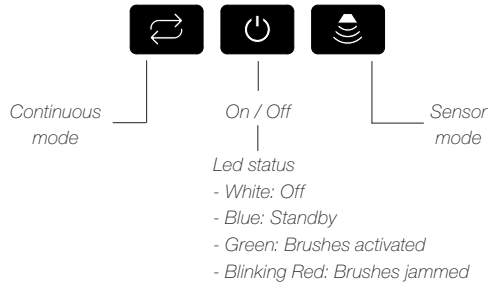
**Manual** ..... 1 unit  
Ref. 0022344



**Features**



# Operation



For best cleaning results, we **recommend** placing the tip between the two brushes for just 1 second. Longer exposure time would lead to dewetting of tip surface causing oxidation.

If excessive pressure is applied with the tool against any of the brushes, the cleaner stops automatically in order to protect the motors. Putting the tool out of the sensor detection area automatically reactivates the cleaner.



The CLMU-PA is automatically switched off if the splashguard is opened during operation.

## Brush replacement

1. Pull the locking tab to open the splashguard.



2. Pull the used up brushes out of the cleaner by pressing its two opposite buttons. To replace the brushes just push them without pressing the buttons.



## Collection tray



Remove the solder collection tray for disposal of solder waste.  
The tray can be removed without disassemble the brushes.

# Brushes range

## CLMU-A Metal Brushes

(Black core)  
Ref. CLMU-A8



## CLMU-A Metal Brushes

(Blue core)  
Ref. CLMU-A7



## CLMU-A Non-Metal Brushes

(Black core)  
Ref. CLMU-P1



## CLMU-A Non-Metal Brushes

(Blue core)  
Ref. CLMU-P7



When changing Brushes, see the table below for the different brush types.

	CLMU-A8	CLMU-A7	CLMU-P1	CLMU-P7
	Metal	Metal	Non-metal	Non-metal
<b>Cleaning</b>	Intensive	Intensive	Gentle	Gentle
<b>Max. time use</b>	10 s	10 s	5 s	5 s
<b>Recommended time use</b>	1-2 s	1-2 s	1-2 s	1-2 s
<b>Life cycle*</b>	Long	Long	Extended	Extended
<b>Core**</b>	Black	Blue	Black	Blue

**⚠ Only use the non-metal Brushes when they are turning. Incorrect use will damage them.**

\* When used properly, the non-metal Brushes will have a longer life than the metal ones.

\*\* The blue core is used to distinguish it from the black core when doing lead-free and leaded soldering.

## Maintenance

Before carrying out maintenance or storage, always unplug the equipment from the mains.

- Use a damp cloth to clean the splashguard and the inside.
- Check periodically that the sensors window is clean. Use a cotton bud with alcohol to clean it.
- Maintain the brushes and the solder collection tray clean.
- Replace any defective or damaged piece. Use original JBC spare parts only.
- Repairs should be performed only by a JBC authorized technical service.



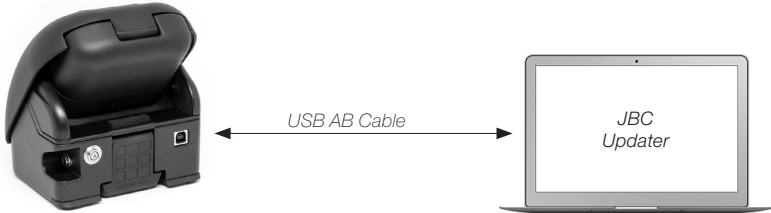
# USB Connector

Download the latest software from our website to improve your CLMU-PA.

## JBC Updater

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

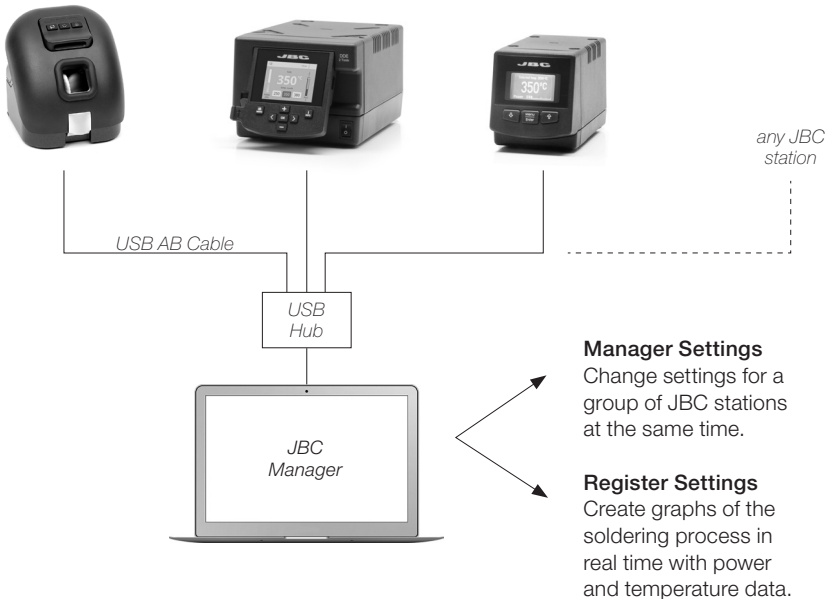
Update the cleaner software via USB connection:



## JBC Manager

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

Manage and monitor as many stations as your PC can handle by using the JBC Manager. You can export data to another PC.





## Safety



**It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.**

- Do not use the appliance for any purpose other than tip cleaning. It is not a tool stand.
- The AC Adapter power supply must be plugged into approved bases.
- Do not leave the appliance unattended when it is running.
- Remove power cord by holding the plug, not the wire.
- Avoid contact with moving parts.
- Keep your workplace clean and tidy. Wear appropriate protection glasses and gloves when working to avoid harm.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children must not play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.
- Utmost care must be taken with liquid tin waste which can cause burns.
- Be careful with the fumes produced when soldering.

**Notes**

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# Specifications

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|----------------------------|--|
| - AC Adapter:              | Input: 100-240V, 50/60Hz<br>Output: DC 24V, 2A |
| - Brush diameter:          | 50 mm  |
| - Weight:                  | 2.1 Kg (4.63 lb)                               |
| - Dimensions:              | 128 x 131 x 137 mm                             |
| - Ambient operating temp.: | 10 to 40 °C / 50 to 104 °F                     |
| - ESD safe connector       |  |

Complies with CE standards.  
ESD protected housing "skin effect".

# 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 due to use or mis-use.

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 2002/96/EC, electronic equipment at the end of their life must be collected and returned to an authorized recycling facility.



Manual in other languages available on our website

**[www.jbctools.com](http://www.jbctools.com)**