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## INSTRUCTION MANUAL



### **CLMU / CLMUP**

Automatic Tip Cleaner with  
Metal/Fiber Brushes

This manual corresponds to the following references:

- CLMU-A with metal brushes
- CLMU-PB with fiber brushes (non-metal)

Packing List

The following items are included:



Automatic Tip Cleaner with  
Metal/Fiber Brushes ..... 1 unit  
*according purchased reference*



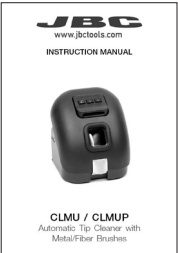
AC Adapter ..... 1 unit  
0028084



*Brush reference according purchased cleaner model. Brushes already installed inside the cleaner.*

Metal Brushes for  
Automatic Tip Cleaner ..... 2 units  
Ref. CL1008

Fiber Brushes for  
Automatic Tip Cleaner ..... 2 units  
Ref. CL2008

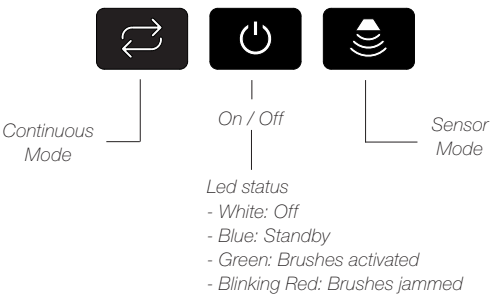


Manual ..... 1 unit  
0027496

# Features and Connections



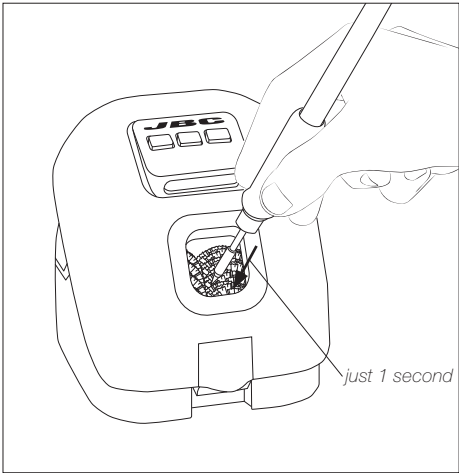
# Keypad



## 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 deactivates the cleaner.



The tip cleaner is automatically switched off if the splashguard is opened during operation.

## Set Up

CLMU/CLMUP allows you to choose between continuous operation and sensor operation.

The tip cleaner contains a sensor that detects when the soldering cartridge approaches the window and automatically starts the brush rotation.

You can choose between 3 different settings for sensor operation:

Level 1 - for a short detection distance

Level 2 - for a medium detection distance (default)

Level 3 - for a long detection distance



Levels can be selected as follows:

1. Turn on the tip cleaner by pressing the On / Off key.
2. Push the "Sensor Mode" key until the interior light and keypad LEDs make one, two or three blinks. The number of blinks indicates the selected level.
3. Push the sensor mode button to change to the next level. If the button is held down, the level changes continuously to the next one until the button is released (changes from level 1 to 2, from 2 to 3 and from 3 to 1).

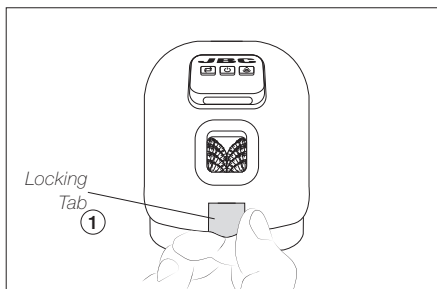
The level configuration is saved by the tip cleaner and will not be changed after the device is restarted.

## Changing Brushes

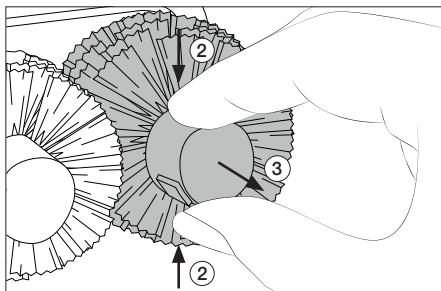
Before opening the tip cleaner, unplug it from the mains.

### Open Splashguard

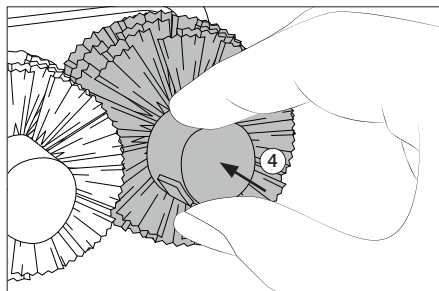
Pull the locking tab (1) to open the splashguard.



### Removing / Inserting Brushes



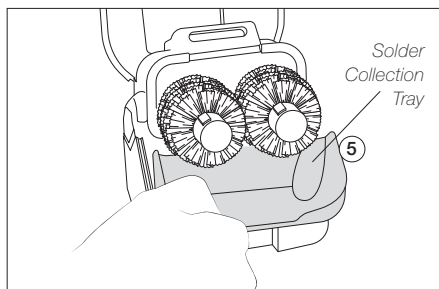
Press the brush buttons (2) to remove the brushes (3).



Align the brushes with the axis and push them in until a click is heard (4). Check if the brushes are properly fixed.

### Cleaning Solder Collection Tray

The tip cleaner features a solder collection tray. After cleaning place it back in its position (5).




## Accessories: Brush Range

All brushes are offered with black and blue core, to distinguish them when working with lead-free and leaded solder.

**Note:** As a reference, the cleaning process should last around 1 second.

	CL1008	CL1007	CL2008	CL2007
				
<b>Material</b>	Metal	Metal	Fiber	Fiber
<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 rotating. Incorrect use will damage them.**

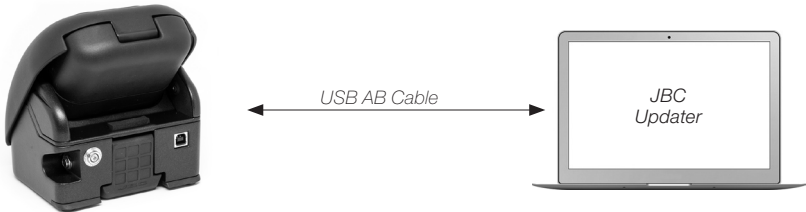
# USB Connector

Download the latest software from our website to improve your tip cleaner.

## JBC Updater

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

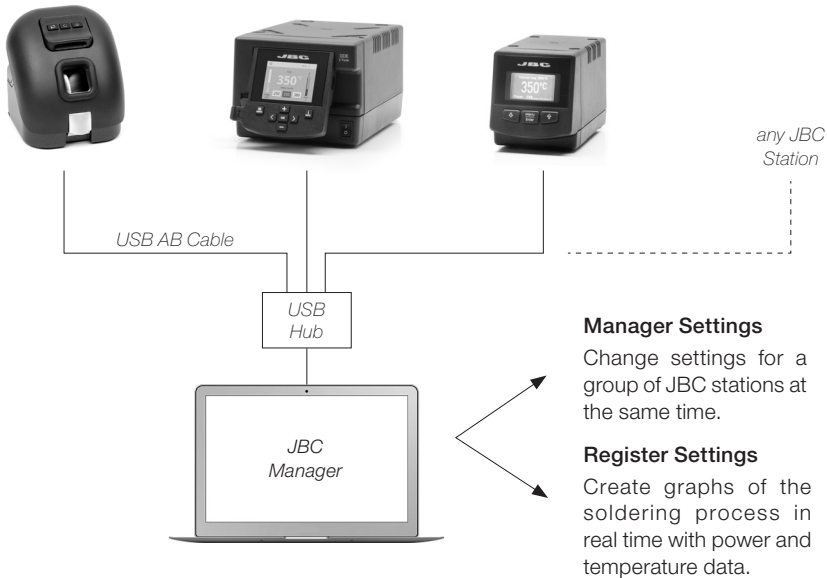
Update the tip cleaner software via USB connection:



## 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.





## Maintenance

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

- Use a damp cloth to clean the splashguard outside and 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.
- Brushes (Metal and Fiber Brushes ) can be cleaned by immersing them in isopropyl alcohol. They must be allowed to dry before use.
- Replace any defective or damaged piece. Use original JBC spare parts only.
- Repairs should be performed only by a JBC authorized technical service.



## 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.

## Specifications

### **CLMU / CLMUP**

#### **Automatic Tip Cleaner with Metal/Fiber Brushes**

Ref.: **CLMU-A** *with metal brushes*

Ref.: **CLMU-PB** *with fiber brushes*

- |   |   |
|---|---|
| - AC Adapter:                               | Input: 100-240 V, 5/60 Hz<br>Output: DC 24 V, 2 A             |
| - ESD safe Connector                        |   |
| - Ambient Operating Temperature:            | 10 to 40 °C / 50 to 104 °F                                    |
| - Brush diameter:                           | 50 mm / 2.0 in  |
| - Cleaner Unit Dimension:<br>(L x W x H)    | 131 x 129 x 136 mm /  |
| - Total Net Weight:                         | 2100 g / 6.03 lb  |
| - Package Dimensions/Weight:<br>(L x W x H) | 220 x 213 x 160 mm / 2320g<br>8.70 x 5.35 x 4.96 in / 6.75 lb |

Complies with CE standards.

ESD safe.

# JBC

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## 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.

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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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