

# **JBC**

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Product  
website



## **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 to purchased reference.*



Brush reference according to 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



Power Supply Adapter ..... 1 unit  
Ref. 0033723

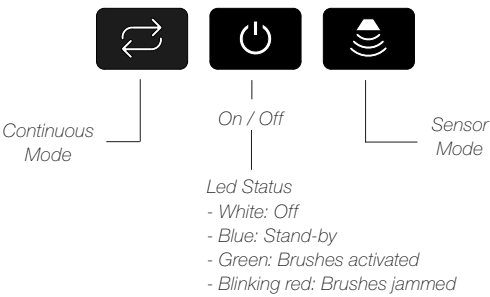


Manual ..... 1 unit  
Ref. 0027496

# Features and Connections



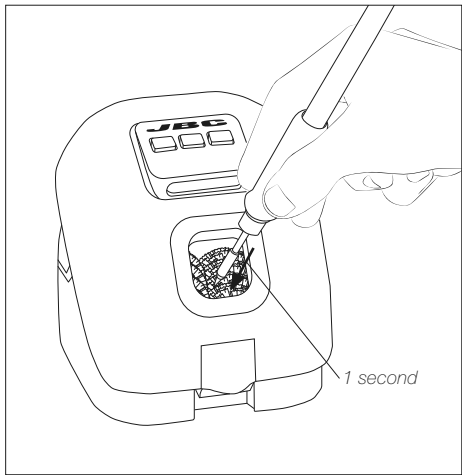
# Keypad



## 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 the tip's 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 automatically stops if the splashguard is opened during operation.

## Setup

Both CLMU and CLMUP allow you to choose between continuous operation and sensor operation.

The tip cleaner features 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 the sensor:

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. Press the "Sensor Mode" key until the interior light and the keypad LEDs blink one, two or three times. The number of blinks indicates the selected level.
3. Press 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).

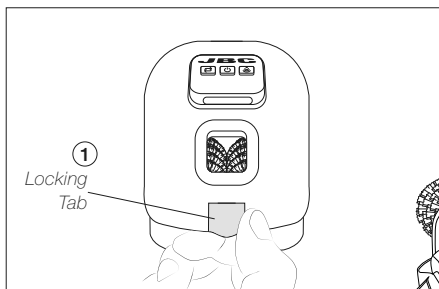
The level configuration is saved by the tip cleaner and will not be altered after the device is restarted.

## Brush Replacement

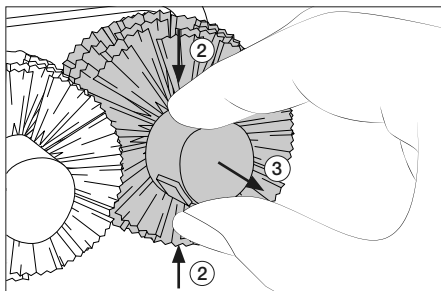
Before opening the tip cleaner, unplug it from the mains.

### Opening the Splashguard

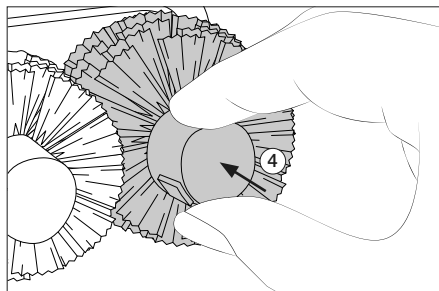
Pull the locking tab (1) to open the splashguard.



### Removing / Inserting the Brushes



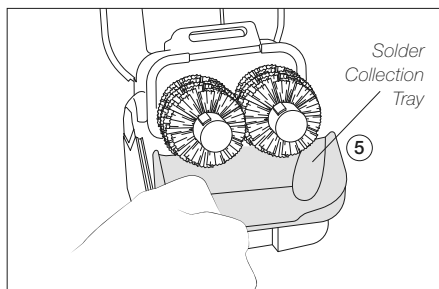
Press the brush buttons (2) to remove the brushes (3).



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

### Cleaning the Solder Collection Tray

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



## Accessories: Brush Range

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

	CL1008	CL1007	CL2008	CL2007
				
<b>Material</b>	Metal	Metal	Fiber	Fiber
<b>Cleaning</b>	Intensive	Intensive	Gentle	Gentle
<b>Max. usage time</b>	10 s	10 s	5 s	5 s
<b>Recommended usage time</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



\*Use the fiber brushes only when they are rotating. Incorrect use will damage them.

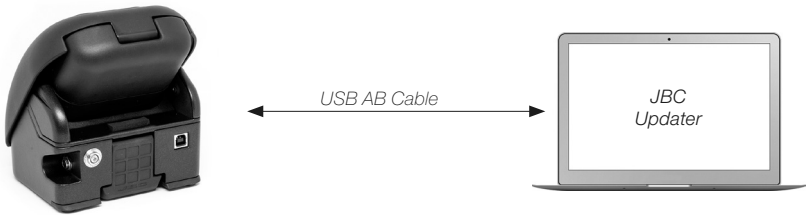
## USB Connector

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:





## Maintenance

Before performing maintenance or storing the device, allow the equipment to cool down.

- Use a damp cloth to clean the splashguard on the inside and outside.
- Periodically check that the sensor window is clean. Use a cotton swab with alcohol to clean it.
- Keep the brushes and solder collection tray clean.
- Brushes (metal and fiber) can be cleaned by immersing them in isopropyl alcohol. Allow them to dry before reuse.
- Replace defective or damaged parts. Use only original JBC components.
- Repairs should only be performed by authorized JBC service personnel.



## 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 must be plugged into approved bases.
- Do not leave the appliance unattended when it is running.
- Remove the 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 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: (L x W x H)	131 x 129 x 136 mm /
- Total Net Weight:	2100 g / 6.03 lb
- Package Dimensions/Weight: (L x W x H)	220 x 213 x 160 mm / 2320g 8.70 x 5.35 x 4.96 in / 6.75 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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