JBC

www.jbctools.com

# INSTRUCTION MANUAL


# B·IRON DUAL NANO

## Dual Battery-Powered Nano Soldering Station

This manual corresponds to the following references:

**BINN-5A*** *- with Portable Display*
**BINN-5QA*** *- without Portable Display*

** Depending on customer requirements, various power cords are available, suitable for:*
*- 120V - N. America / Taiwan*
*- 230V - India / Europe / United Kingdom*

## Packing List

The following items are included:

**Charging-Base** with **Charging-Holders** already assembled ..... 1 unit

**C115 Cartridge** ..... 2 units
Ref. C115101 (tip ø 0.1 mm)

**C115 Cartridge Adapters** ..... 1 set
Ref. 0030643
*Includes 4 adapters.*

**B·NANO Nano Handle for B·IRON** ..... 2 units
Ref. BN-A
*Includes Nano Handles + B1596 Safety Caps + OB5000 Sealing Plugs + B1510 Grips + fitters.*

**Brass Wool for B·IRON Charging-Base** ..... 1 unit
Ref. CL0300
*Already assembled in the charging base.*

**B·IRON Display Holder 5" to 7"** ..... 1 unit
Ref. 0030723
*Includes fixing knob.*

**USB Cable ****
*(USB A to Micro USB)* ..... 1 unit
Ref. 0028092

**Power Cord *** ..... 1 unit
Ref. 0027380 *120V - N. America / Taiwan*
0027381 *230V - India*
0027382 *230V - Europe*
0027378 *230V - United Kingdom*

**Portable Display 7" for B·IRON **** ..... 1 unit
Ref. PDS-B

**Quick Start Guide** ..... 1 unit

**Manual** ..... 1 unit
Ref. 0034135

** One power cord included according to customer requirements.*
*** Not included in ref. BINN-5QA.*

# Important

Please read this manual and its safety guidelines thoroughly before using the product.

**Note:** Even if the display is turned off and the charging base is disconnected from the mains, the tool remains operational as long as the batteries are charged, even when the cartridge is taken out.

⚠ The tool turns off automatically only under the following conditions:
- The tool is out of the charging holder (no safety cap on) and remains completely still for 5 minutes (see page 8).
- The tool has the safety cap on and remains completely still for 60 minutes (see page 9).

The tool can be manually switched off and on by tapping the tool power button on the display (see page 9)

## Features and Connections


**PDS***
Portable Display 7”
for B·IRON

*Cartridge Exchanger*

**H2464**
Left-Side
Charging-Holder for
B·IRON Handles

**CL0300**
Brass Wool
for B·IRON
Charging-Base
*(inside)*

*Cartridge Holder*

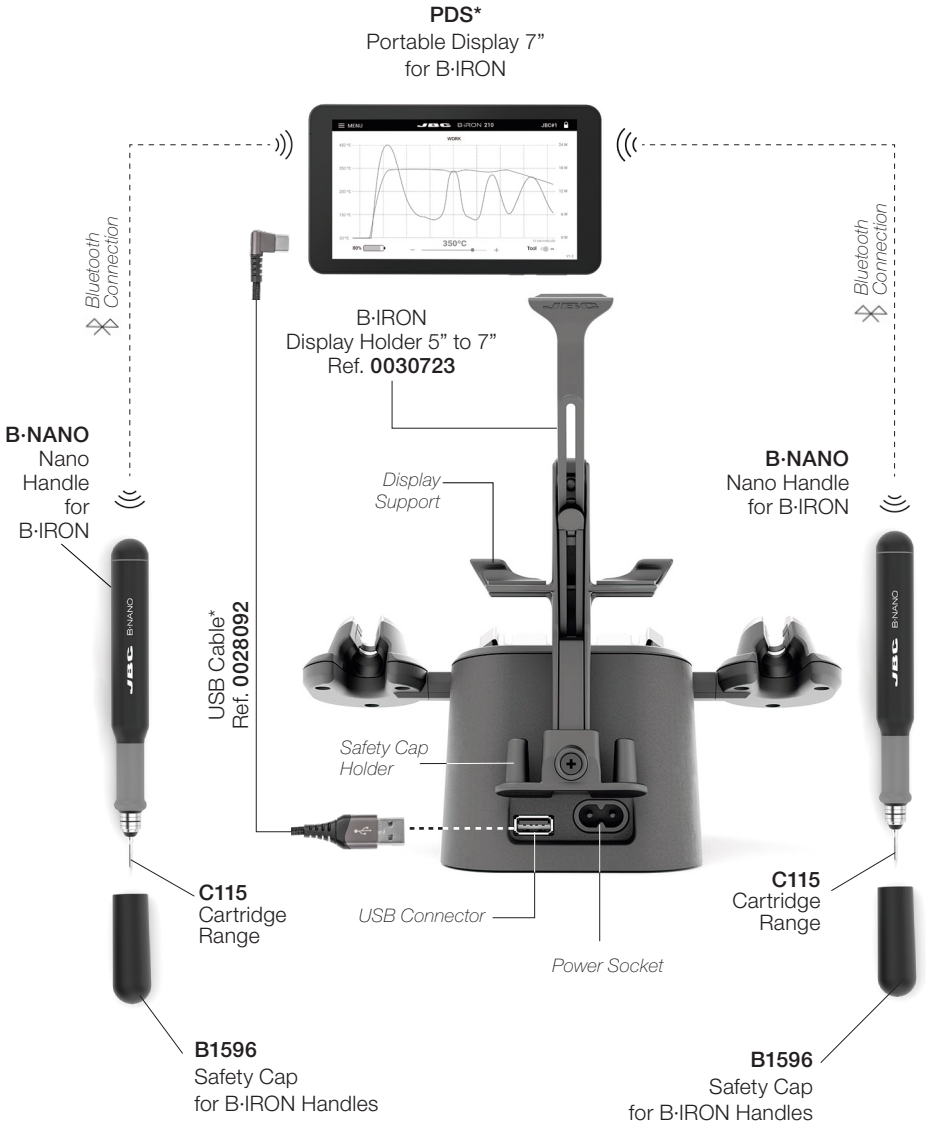
**H2465**
Right-Side Charging-
Holder for B·IRON
Handles

**CL0301**
Wiper for B·IRON
Charging-Base

**BCB**
Charging-Base
for B·IRON

** Not included in ref. BINN-5QA*

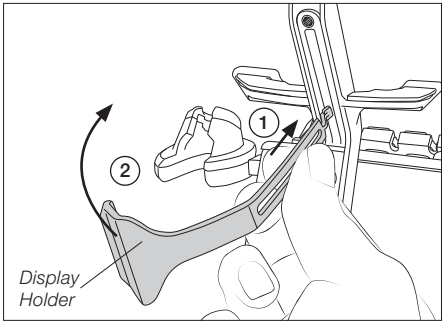
## Features and Connections




** Not included in ref. BINN-5QA*

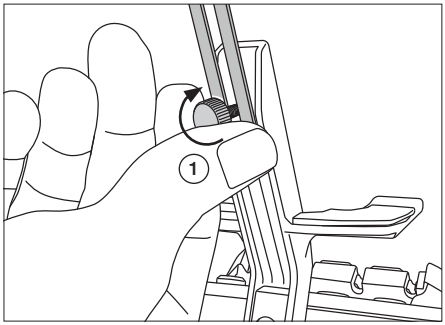
# Station Setup

### Display Holder Assembling



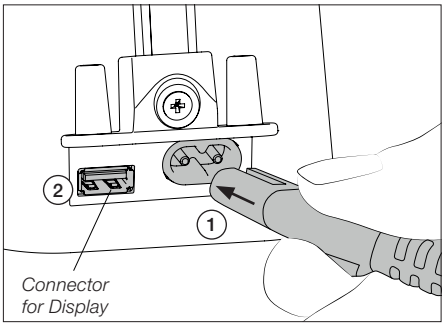

Insert the thin end of the display holder into the upper area of the rear rail of the charging base (1). Then carefully rotate the display holder 90 degrees (2) until it stands vertical.

### Display Holder Setting




Insert the fixing knob (1) and tighten it just enough so that it stays in place but the display holder can be moved.

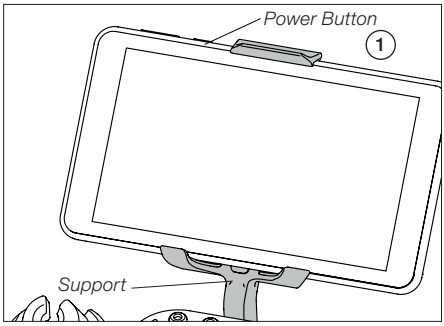
### Base and Display Connection




Connect the charging base to the mains (1).

The display can be connected to the USB port (2) with the provided USB cable to keep it charging while working.

### Display Placing



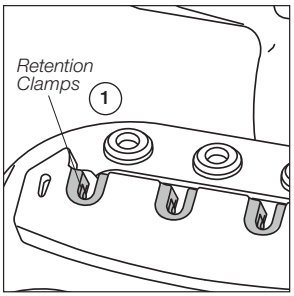

Place the display on the support with its buttons facing upwards (1). Adjust the height of the display holder tighten the fixing knob.

Turn on the display by holding down the power button for a while (1) and then open the B·IRON app*:

*** Note:** The app can also be downloaded to your own devices. To know how, see section “Installing and Updating the B·IRON App”.

# Station Set Up *(continuation)*

## Cartridge Exchanger

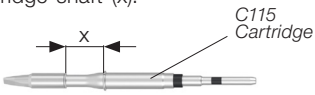



The cartridge exchanger allows to insert / change cartridges safely without switching the tool off. Cartridges are held in place thanks to the retention clamps (1).

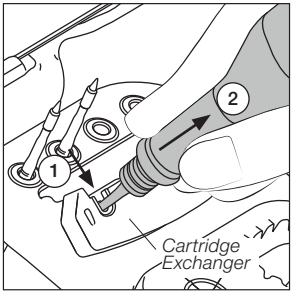
The exchanger is suitable for C115 and C210 cartridges.

**C115 Cartridges**

The holding area of C115 Cartridges is delimited by the two rings at the cartridge shaft (x).

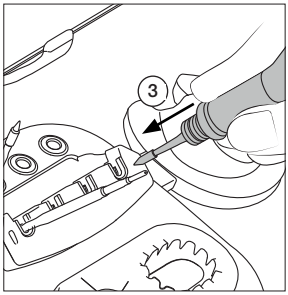



## Cartridge Changing



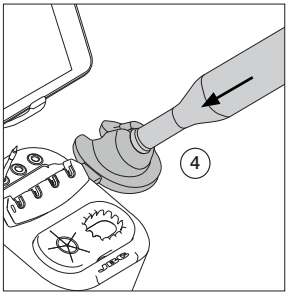

Place the tool with the cartridge over the cartridge exchanger slots and press down (1) until it clicks. To remove the cartridge pull the handle out (2).
To insert a cartridge, carry out the same steps as before in reverse order.

## Cartridge Fixing




Gently press the tip against the holes on the sides of the cartridge exchanger (3) to ensure that the cartridge is appropriately inserted.

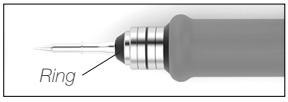
## Tool Charging




Place the tool in the charging holder (4) to charge it. A beep will sound when the tool is properly placed and charging. The volume can be adjusted using the left button on the display.

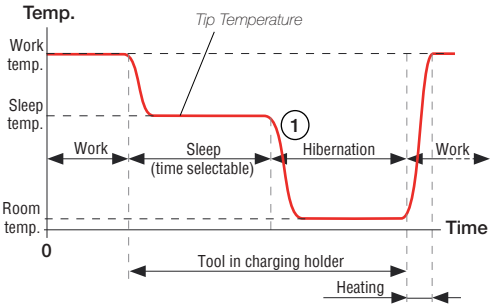
**Important:** Charge the tool completely before using it for the first time.
A full charge takes:
-30 min for B·100
-60 min for B·500
-30 min for B·NANO
-40 min for B·TWEEZERS

**Important:** Cartridges must be inserted up to the reference ring for a proper connection.



# Operation

Thanks to the intelligent heat management, the cartridge tip recovers temperature extremely quickly.
This allows reducing the tip temperature when the device is not in use, resulting in a longer tip lifespan.
When the tool enters Sleep (1) or Hibernation (2) Modes, the tip temperature lowers automatically below the solder-melting-point temperature.



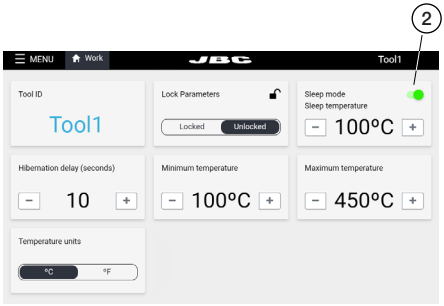

# Tool Status and Tip Temperature

The tool can go into a number of statuses under different circumstances *(see the diagram on the next page)*. Depending on the status, the cartridge tip reaches different temperatures:

| Tool Status | Tip Temperature |
|---|---|
| Sleep & charging | Cools down to the set Sleep temperature. Selectable between 70 °C and 150 °C. |
| Hibernation & charging | Cools down to room temperature. |
| Working | Heats up to the set work temperature. |
| Resting without cap | Cools down to room temperature (after 5 min of being completely still). |
| Tool with cap on | Cools down to room temperature. |
| Hibernation | Cools down to room temperature. |
| Shut off | Remains at room temperature (tool is shut off). |

### Sleep & Charging

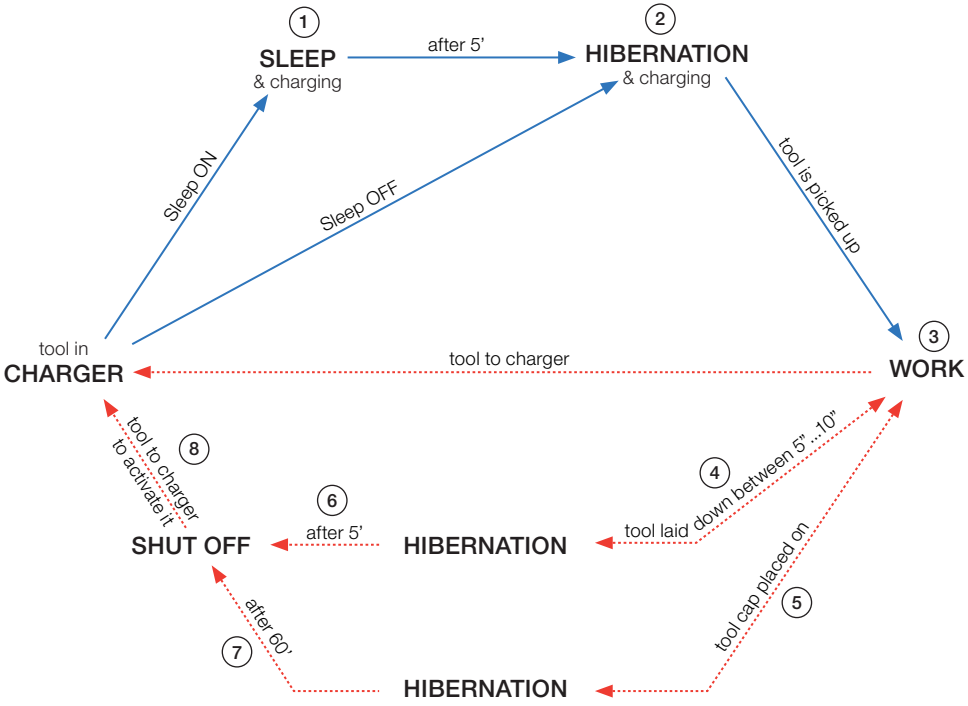
Sleep Mode can be activated/deactivated (2). If it is activated and the tool is placed in the charging holder, in addition to charging, the tip temperature cools down to sleep temperature.




### Hibernation & Charging

If Sleep Mode is not activated and the tool is placed in the charging holder, besides charging, it goes into Hibernation and the tip temperature cools down to room temperature.

## Tool Status and Tip Temperature *(continuation)*




### Work

When the tool is taken out of the charging holder while in Sleep (1) or Hibernation (2) Modes, the cartridge tip heats up to the set work temperature and the tool is ready to use (3).

### Hibernation

The tool goes into Hibernation Mode in two different cases:
a) After working, when the tool is laid down (4) and is resting between 5 and 10 seconds (time is adjustable).
b) After working, when placing the cap on the tool (5).

**Note:** Before the tool enters Hibernation Mode, it can be picked up to work with it and the cartridge tip heats up to work temperature.

### Auto Shut-off

The tool shuts off automatically in two different cases:
a) When the tool (without the tool cap) is laid down and remains completely still in Hibernation Mode for 5 minutes (6).
b) When the tool (with the tool cap on) remains completely still in Hibernation Mode for 60 minutes (7).

# Tool Status and Tip Temperature *(continuation)*

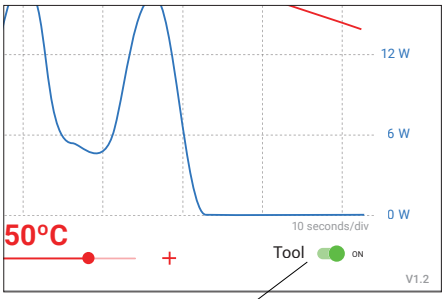
### Tool Reactivation

Once the tool has automatically shut off, place it back in the charging holder (8) to reactivate it *(see diagram on previous page).*

### Manual Tool Shut-Off

Besides the “automatic shut-off” feature, the tool can also be manually switched off by tapping the tool power button on the display. When it is switched off, the cartridge cools down to room temperature.

**Note:** To switch the tool back on, tap the same button on the display.




*Tool on/off button*

## Safety Cap

### Safe Tool Transportation

Thanks to the tool’s safety cap, B·IRON tools can be carried around safely, even with the cartridge inserted.

When the cap is placed onto the tool, it goes into Hibernation Mode immediately and the cartridge tip cools down to room temperature.

**Note:** The purpose of the cap is to allow safe transport, not storage.


### Safety Cap Holder

While the tool is in use, the safety cap can be stored on the cap holder located on the back of the charging base.

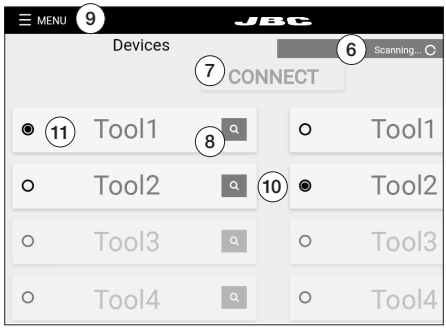
There is space for two caps.

## Tool Connection

Make sure that the charging base is connected to the mains.
**Note:** The supplied tool is already connected.

**Scanning another tool:** *(This process can take a while)*
Place the tool in the charging holder to activate it. The status light band color indicates the charge level (see table below).
If the scanning process does not run automatically, tap “scan” (6) on the display while the tool remains in the charging holder. When the tool is shown in the device list on the display, select it (11) and tap “connect” (7). Now the tool is ready for soldering.

Device List



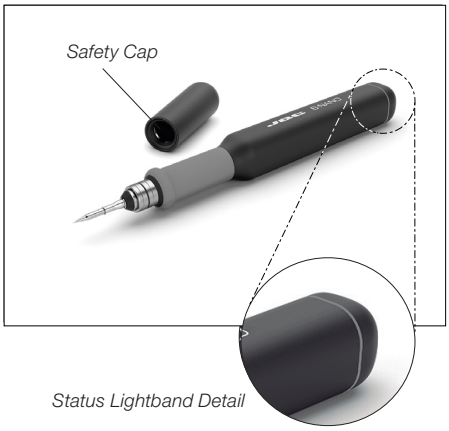

**Tool search function:**
When in doubt of which tool corresponds to the tool’s name, use the tool search function. Tap on the magnifying glass symbol (8) next to the tool’s name. The light band on the corresponding tool blinks in blue for five seconds to identify it.

**Working with two tools** *(works also for charging bases with only one charging holder)*:
It is possible to connect up to two tools at the same time. If a tool is already connected, first disconnect it from the device by selecting “Menu” (9) and tapping on “Disconnect”.

Place the second tool in the charging holder and scan it (6). The second tool is also shown in the device list on the display (10). To work with two tools, select one from the left-hand column (11) and the other one from the right-hand column (10). Then tap on “connect” (7).

## Status Lightband

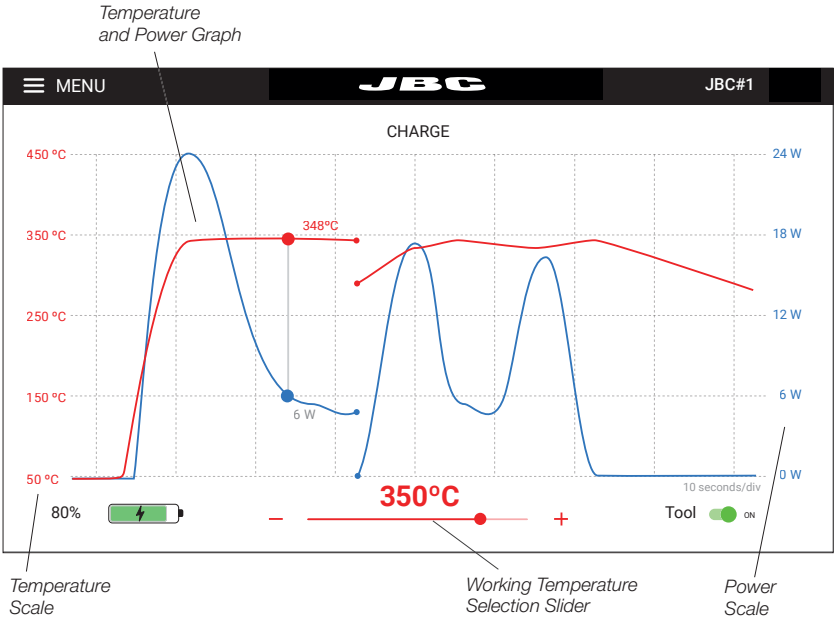
The status lightband on the tool indicates its status (see table on the right).




| Color | Tool Status |
|---|---|
| Green | More than 50% charged |
| Orange | Between 20% and 50% charged |
| Red | Less than 20% charged |
| Green blinking | Charging (more than 50% charged) |
| Orange blinking | Charging (between 20% and 50% charged) |
| Red blinking | Charging (less than 20% charged) |
| No color | Safety cap on the handle and/or power off |
| Blue blinking | Locate Tool function activated |

# Workscreen

The workscreen shows a graph of the tip temperature and power supplied to the tip updated in real time. It allows modifying the tool working temperature, checking the battery status and turning the tool in use on and off.




### Graph and Automatic Data Display

The graphs of temperature and supplied power start automatically as soon as the tool is lifted from the charging base.

The graph display can be paused while working by tapping the screen on the graph area. While the automatic display is on hold, the temperature/power values can be checked at a certain point of the graph by tapping on the desired position on the display screen.

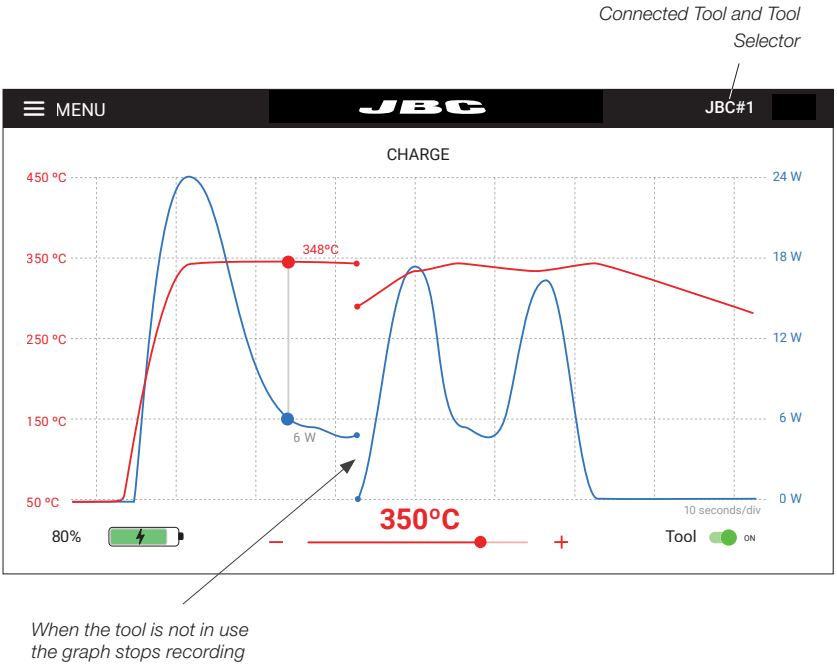
**Note:** Pausing the automatic display by tapping on the screen does not stop the tool from heating up, and the tip will remain at the selected working temperature. The graph display automatically continues after 5 seconds.

The graph can be moved to the left and right by swiping the touch screen sideways with one finger.

### Working Temperature Modification

The working temperature can be modified using the slider below the graph (± 5 °C / ± 10 °F).

# Workscreen *(continuation)*




### Stopping Data Display

When the tool is placed in the charging holder or when it enters Hibernation Mode, the data display stops.

The display starts again automatically when the tool is lifted from the tool holder and the graph is automatically displayed again at the point where the previous display stopped, leaving a small gap on the graph between the last registered value and the new starting point.

### Working with Two Tools

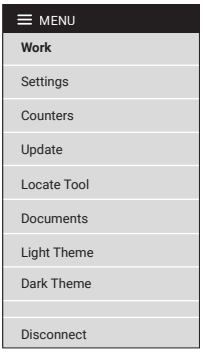
When working with two tools, to switch between the two graphs, tap on the tool selector (upper-right corner of the display) and select the desired tool from the drop-down menu.

It is also possible to alternate both graphs by simply lifting one tool or the other from the tool holder. The display will automatically show the graph and information of the tool in use.

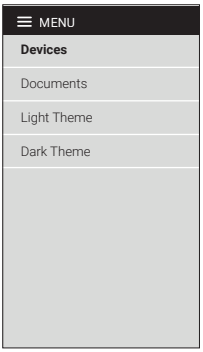
**Note:** All menu items are explained in detail starting at section “Menu”.

# Menu

**Tool Connected:**
Once at least one tool has been linked, the menu expands and shows more options.

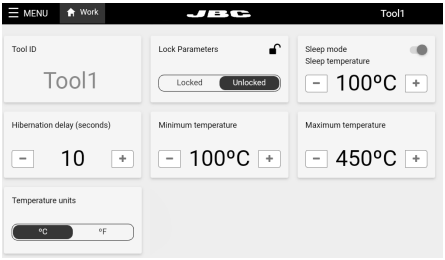



**No Tool Connected:**
Before any tool is connected to the station or after the last tool has been disconnected, the menu offers these options.




**Work:**
Takes the user to the workscreen (see section "Workscreen").

**Settings:**
The B·IRON app offers an intuitive user interface, which provides quick access to several station parameters (see next page).




**Counters:**
The Counters section allows the user to consult data and counts on charges, work state periods, Sleep Mode periods, errors... The data can be consulted either by time periods or by number of times a certain event has occurred.

**Update:**
Allows updating the firmware of the soldering station. To know more about the updating process, see section "Updating the Firmware".

**Locate Tool:**
When in doubt of which tool corresponds to the tool's name, use the tool search function, tapping on "Locate Tool". The light band on the corresponding tool blinks in blue for five seconds to identify it.

**Documents:**
User manuals related to the station or to the tools can be consulted in this section or on JBC's website: www.jbctools.com

**Light/Dark Theme:**
Allows the user to switch between dark and light display modes.

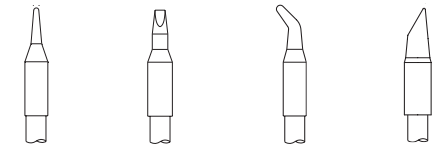
**Disconnect:**
Disconnect the tool in use. If only one tool is connected, after disconnecting it, the app returns to the device list display.

## Settings

| Parameter | Description |
|---|---|
| Tool ID | Allows modifying the tool identifier. |
| Lock parameters | Allows locking the parameters of the station using a four-digit code. The default code is 0105, but a new code can be set by simply entering some other four digits of choice when locking the parameters. |
| Sleep Mode / Sleep temperature | Set Sleep Mode on/off. The tip temperature drops only to the selected Sleep temperature when placed on the tool holder. |
| Hibernation delay | Set Hibernation delay from 5 to 15 sec. The countdown starts when the tool remains inactive (no movement). |
| Minimum temperature | Select the minimum temperature that can be set for Work Mode. |
| Maximum temperature | Select the maximum temperature that can be set for Work Mode. |
| Temperature units | Allows changing the units of temperature measurement between degrees Celsius and degrees Fahrenheit. |

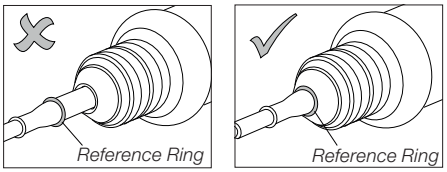
## Compatible Cartridges

B·NANO works with C115 Cartridges. Find the model that best suits your soldering needs on www.jbctools.com



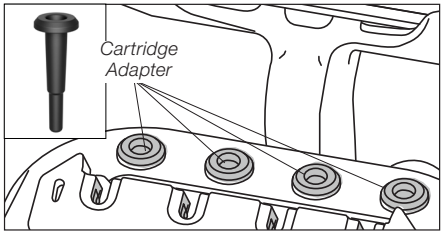

## Inserting C115 Cartridges

Push the cartridges inside the handle until the reference ring rests against the sealing plug.




## C115 Cartridge Adapter (B0643)

Since C115 Cartridges have a smaller diameter than C210 Cartridges, adapters must be used to store them in the cartridge holder.
These adapters must simply be inserted from above into the slots of the cartridge holder.



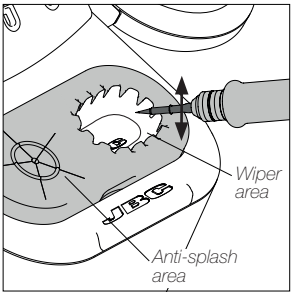
## Wiper and Tip Cleaner

Select the tip cleaning option that best suits your needs and improve the tip thermal transfer.

**CL0301** Wiper for B·IRON Charging-Base includes an anti-splash area that prevents solder particles from splashing onto the working area, keeping the workplace clean.

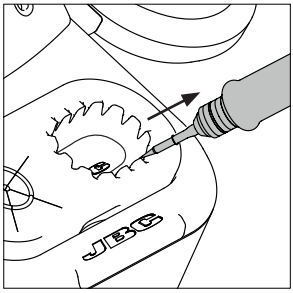
It also includes a temperature-resistant wiper area for removing excess solder by gently tapping or wiping the cartridge tip on it.

**Tapping**



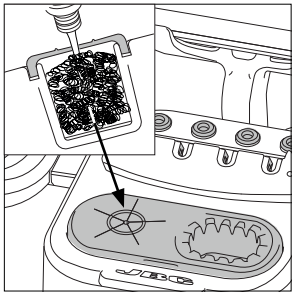

Tap gently to remove excess solder.

**Wiping**



Use the slots to remove remaining particles.

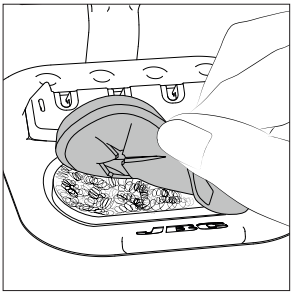
**Brass Wool** *(inside)*



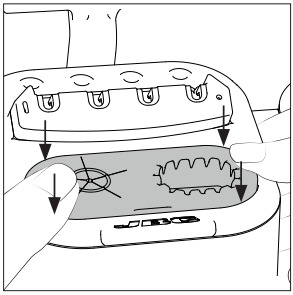
**CL0300** Brass Wool is a very effective cleaning method. It leaves a small layer of solder on the tip, preventing oxidation between cleaning and rewetting.

**Note:** If the tip is very dirty, JBC recommends cleaning it first with the wiper to remove excess solder and then with the brass wool.

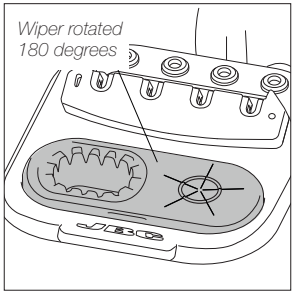
## Replacing Brass Wool



Lift the wiper membrane by using the recess on the edge. Remove the wiper and replace the brass wool with a new one. Make sure that the brass wool is on the far left and that there is space for the wiper on the right.



Press the wiper membrane down at the 4 corners until you feel it click into place.
Make sure that the wiper membrane is inserted correctly all the way around.




**Note:** The brass wool and the wiper positions can be reversed by rotating the anti-splash membrane 180 degrees.

## JBC Software

The app is already installed on JBC's B·IRON Display. If another display is to be used, the app must be downloaded to the corresponding display (see chapters below).

At the moment of purchasing the B·IRON tool, the current firmware is already downloaded to the tool.

**Note:** Since the tool firmware is not updated automatically, updates must be carried out by the customer. To do so follow the instructions on the next page.

## App Versions

If an app with version 1.6 or higher is already installed on the display (tablet or smartphone) used with B·IRON, the firmware of the tool can be updated directly without updating the app. Carry out the steps described in section "B·IRON Tool Firmware Update".

Older app versions must be updated. If no app has been installed, it must be installed first.

## App Installation

On **JBC's portable display** *(Android),* the B·IRON app is already installed.

On the **user's smartphone or tablet** *(Android / iOS)*, go to the App Store/Play Store and search for "JBC B.IRON" on the search bar. **Note:** Internet connection is required to download the app.

Alternatively, scan these QR codes to access the B·IRON app page directly:

Download on the App Store

Google play

## App Update

**Display <u>with Internet</u> connection** *(Android / iOS)*

Update the app via Google Play *(Android)* or the App Store *(iOS)*.

**Display <u>without Internet</u> connection** *(Android)*

Download JBC's installer program to another device with an Internet connection from JBC's website: https://www.jbctools.com/jbcsoftware.html

DOWNLOAD ANDROID Installer

Then copy the downloaded program to the internal storage of the display used with B·IRON. Access the internal storage of the display and run the downloaded program. Once the program is completed, the app will be updated to its newest version.
**Note:** For JBC´s displays, swipe down to open the internal storage folder.

# Downloading the Tool Firmware Update File

**Display with internet connection:**

Download the firmware update file to the display used with B·IRON from: https://www.jbctools.com/jbcsoftware.html. Go to the internal folder and unzip the downloaded file.

**Display without internet connection:**

Download the firmware update file to another device with an internet connection from JBC's website: https://www.jbctools.com/jbcsoftware.html and unzip the downloaded file.

Then do as described in the table.

| **PDS**<br>JBC's display (android) | **Other android devices** | **iOS devices** |
|---|---|---|
| Copy the unzipped files on the device used with B·IRON: | | |
| Folder: | Folder: | Path: |
| \Internal shared storage\Android\data\es.infinitysource.jbc_soldering.JBCBiron\files | \Internal shared storage\Android\data\com.jbctools.jbcbiron\files | Files > On my iPad > JBC B.iron |

# Executing the Tool Firmware Update File

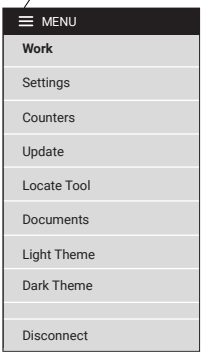
Tool firmware updates are not executed automatically; they must be carried out by the user.

On the display you are using with the B·IRON, and the latest app version installed, access the B·IRON app:

Select he tool you want to update. Then in the main menu select "update".

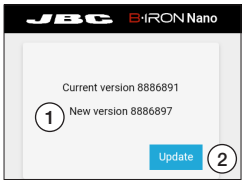
**Note:** At least one tool must be linked to see the expanded menu options.

*Main Menu with expanded menu options*



## Executing the Tool Firmware Update File *(continuation)*

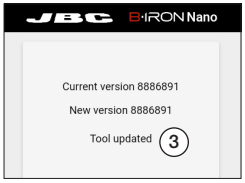
If the downloaded tool firmware update file contains a newer version than the one already installed, the current and new version are displayed (1). Tap “Update” to start the update (2).



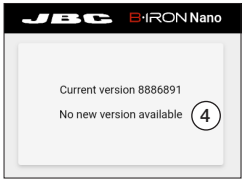

The update process takes about 10 minutes.

The B·IRON status light continuously changes its color during the update process.

Once the update is completed, “Tool updated” (3) will be displayed.

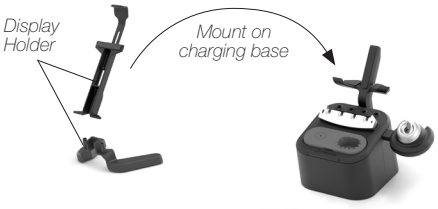



If “No new version available” is displayed (4), no update is possible or required.




## Accessories

**B·IRON Display Holder 10” to 13”**
Ref. 0031246




In addition to the display holder supplied with the B·IRON station, JBC offers a holder for tablet sizes between 10” and 13”.

# Accessories *(continuation)*

## Soldering Tools for B·IRON Stations

**B·NANO***
Nano Handle for B·IRON

Ergonomic and lightweight soldering handle. Designed for use in labs and high-precision soldering in hard-to-reach areas.

Works with C115 Cartridges.

**B·TWEEZERS***
Nano Tweezers for B·IRON

Powerful and efficient soldering tweezers. Designed for use in labs and soldering rework job.

Works with C115 Cartridges.

**B·100***
Light Handle for B·IRON

Ergonomic and lightweight soldering handle. Designed for use in labs and individual soldering jobs.

Works with C210 Cartridges.

**B·500***
Handle for B·IRON

Powerful and efficient soldering handle. Designed for use in production and intensive soldering jobs.

Works with C210 Cartridges.

** Cartridges not included.*
*To charge the tools, a B·IRON charging-base or station is needed.*

# Accessories *(continuation)*

## Tool Expansion Kits for B·IRON

**B·NANO K***
Nano Handle Expansion Kit

This kit allows to extend B·IRON station with B·NANO Handle.

Fully compatible with C115 Cartridges.


**B·TWEEZERS K***
Nano Tweezer Expansion Kit

This kit allows to upgrade B·IRON station to a rework station by adding B·TWEEZERS.

Fully compatible with C115 Cartridges.


**B·100 K***
Light Handle Expansion Kit

This kit allows to extend B·IRON station with B·100 Light Handle.

Fully compatible with C210 Cartridges.


**B·500 K***
Handle Expansion Kit

This kit allows to extend B·IRON station adding B·500 Handle.

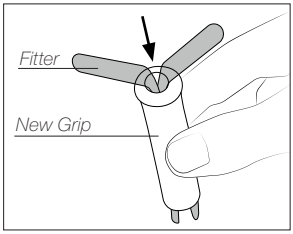
Fully compatible with C210 Cartridges.


** Cartridge not included.*
*To charge the tools a B·IRON charging base or station is needed.*

# Maintenance - Tool

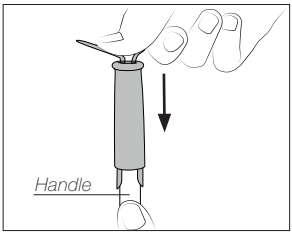
## Replacing B1510 Grips *(Soft Foam)*

**Inserting Fitters**



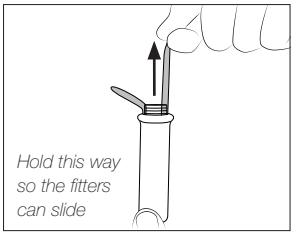

Insert the fitters into the new grip.

**Assembling Grips**




Push the grip with the fitters onto the handle.

**Removing Fitters**




To remove the fitters, hold the grip and pull the fitters out. Use pliers if necessary.

## Sealing Plugs

The sealing plug prevents undesirable flux vapors or particles from entering the handle and its usage is highly recommended. If the sealing plug is not used, this can lead to incorrect cartridge contact and may render the tool unusable.

**Note:** Check the condition of the plug periodically and replace it as soon as wear or cracking is detected.

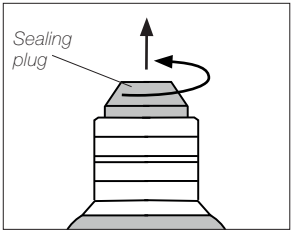
> ⚠ Before replacing the sealing plug, disconnect the handle from the station and make sure the device has cooled down.

Sealing plug references:

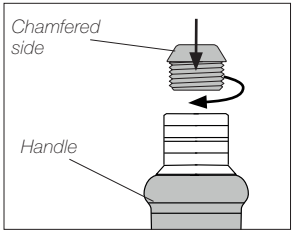
| Handle | Sealing Plug |
|---|---|
| B·100<br>B·500 | OB4000 |
| B·NANO | OB5000 |

## Replacing Sealing Plug OB5000

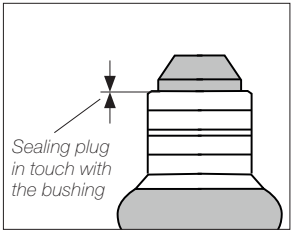
> ⚠ For B115 handles, the use of the OB5000 sealing plug is mandatory. Without the use of the sealing plug, the cartridges cannot be properly inserted.




Remove the worn sealing plug by unscrewing it by hand.




Position the chamfered side upwards and screw the new sealing plug into the handle bushing until it stops.




Make sure the sealing plug is placed correctly.
The shoulder of the plug must be in touch with the bushing.

## Maintenance Station

Before carrying out maintenance, always extract the cartridge from the tool and disconnect the charging base from the mains. Allow the equipment to cool down.

- Use a damp cloth to clean the casing and the tool. Alcohol can only be used to clean the metal parts.

- Periodically check that the metal parts of the tool and charging holder are clean so that the charging works properly.

- Keep the tip surface clean and tinned prior to storage in order to avoid tip oxidation. Rusty and dirty surfaces reduce heat transfer to the solder joint.

- Do not use liquids such as alcohol, thinner or benzene to clean the portable display.

- Repairs should only be performed by a JBC authorized technical service.

*Clean the contact surfaces regularly to ensure that the tool gets charged correctly.*

## Safety - Battery

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

- **Caution:** This product contains lithium-ion batteries. Mishandling or improper use may result in fire, explosion, or personal injury.

- Always use the provided charger. Do not use damaged chargers or batteries.

- Never attempt to disassemble or modify the batteries or the product. Doing so may lead to electric shock, fire, or damage to the product.

- In the event of damage, leakage, or overheating of the batteries, discontinue use immediately and contact customer support or JBC technical service facility.

- Dispose of devices with batteries inside, responsibly according to regulations. They must be disposed of in accordance with local regulations so that they can be recycled.

- Do not throw devices with batteries into household waste and do not dispose of them in fire or water.

## Safety

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

- Do not use the units for any purpose other than soldering or rework. Incorrect use may cause a fire.
- The power cord must be plugged into approved bases. When unplugging it, hold the plug, not the wire.
- Do not attempt to dismantle or open the housing of the tool as it may cause damage.
- Do not work on electrically live parts.
- The tool should be placed in the charging holder when not in use in order to charge the batteries.
- The soldering tip, the metal part of the tool and the charging holder may still be hot even when the station is turned off.
- Do not leave the tool unattended when it is on.
- Avoid flux coming into contact with skin or eyes to prevent irritation.
- Be careful with the fumes produced when soldering.
- Keep your workplace clean and tidy. Wear appropriate protection glasses and gloves when working to avoid personal harm.
- Utmost care must be taken with liquid tin waste, which can cause burns.
- This appliance can be used by children over the age of eight and also persons with reduced physical, sensory or mental capabilities or lack of experience provided that they have been given adequate supervision or instruction concerning the use of the appliance and understand the hazards involved. Children must not play with the appliance.
- Maintenance must not be carried out by children unless supervised.
- Do not expose the portable display to high temperatures, humidity or dust. Avoid direct sunlight.
- Do not drop the portable display or the tool, as it may cause damage or malfunction.
- Do not disconnect your device when it is in file transfer mode.
- Do not use the portable display in places where wireless communications are restricted.

## Notes

## Notes

## Notes

# Specifications

**B·IRON NANO**
**Dual Battery-Powered Nano Soldering Station**
Ref. **BINN-5A** *- with Portable Display 7"*
Ref. **BINN-5QA** *- without Portable Display 7"*

**Charging Base**

| | |
|---|---|
| - Input: | 100 V - 240 V 50/60 Hz |
| - Nominal Power: | 40 W |
| - Tool Output: | 12 V / 1000 mA |
| - USB Output: | 5 V / 1000 mA |

**B·NANO Nano Handle**

| | |
|---|---|
| - Peak Power (each tool): | 15 W |
| - Battery: | Li-Ion 7.4 V / 180 mAh |
| - Charge Time: | 30 minutes |
| - Selectable Temperature: | 100 - 450 °C / 210 - 840 °F |
| - Idle Temp. Stability (still air): | ±1.5 °C / ±3 °F |
| - Temp. Accuracy: | ±3 % (using reference cartridge) |
| - Connections: | Bluetooth Low Energy (BLE) |
| - Ambient Operating Temp.: | 10 - 50 °C / 50 - 122 °F |
| - Tool Weight: | 30 g / 0.07 lb |

**Portable Display 7"**

| | |
|---|---|
| - Display Dimensions: | 7" / 7 in |

Ref. **BINN-5A** *with Portable Display:*

| | |
|---|---|
| - Total Net Weight: | 2.05 kg / 3.79 lb |
| - Total Package Dimensions/Weight: (L x W x H) | 265 x 223 x 160 mm / 2.66 kg<br>10.43 x 8.78 x 6.30 in / 5.86 lb |

Ref. **BINN-5QA** *without Portable Display:*

| | |
|---|---|
| - Total Net Weight: | 1.72 kg / 3.37 lb |
| - Total Package Dimensions/Weight: (L x W x H) | 225 x 223 x 160 mm / 2.05 kg<br>8.86 x 8.78 x 6.30 in / 4.52 lb |

Complies with CE standards.
Not grounded device. No ESD discharge feature.

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.
**Get 1 extra year JBC warranty by registering here: https://www.jbctools.com/productregistration/ within 30 days of purchase.**
If you register, you will receive e-mail notifications about new software updates for your registered product.

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 UK CA

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