JBC

www.jbctools.com

Product website

INSTRUCTION MANUAL

BCB

Charging-Base for B.IRON

This manual corresponds to the following references:

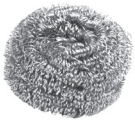
BCB-5A
BCB-2IA - *India*

Packing List

The following items are included:

Charging-Base for B.IRON ..... 1 unit

B.IRON Display Holder Set 5” to 9” ..... 1 unit
Includes two holding tabs:
- For 5”-to-7” displays
- For 7”-to-9” displays



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

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

** One power cord included depending on customer requirements.*

Manual ..... 1 unit
Ref. 0036839

⚠ Read this manual and its safety guidelines thoroughly before using the product.

Features and Connections

BCB Charging-Base works with the B.IRON tool and charging holder range.

BCB - Front view

ESD Safe Connection

Note: All B.IRON components comply with CE standards, but the tool by itself is not grounded. Therefore, to comply with ESD regulations, the user of the B.IRON tool must be ESD-compliantly grounded.

JBC offers ESD tablemats, earthing cables, plugs and wristbands. More info at www.jbctools.com.

Workplace Example

Single-Tool Setup

** It is possible to use either JBC’s PDS Portable Display or the user’s own smartphone or tablet as a display. More information on how to work with your own devices on section “B.IRON App Installation and Updating”.*

*** B.IRON tools and charging holders can be assembled, used and combined according to the user’s needs. Check the compatibility table for more details.*

Workplace Example

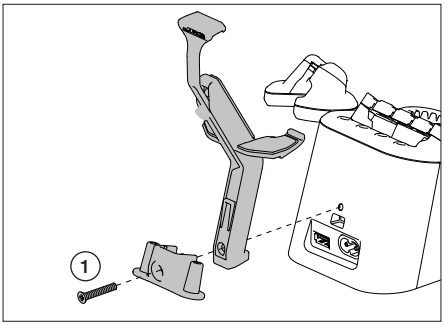
Dual-Tool Setup

Compatibility

	Tool references			
Charging holder references	**B.100**	**B.500**	**B.NANO**	**B.TWEEZERS**
For tools: **H2464** *(left)* / **H2465** *(right)* 	●	●	●	
For tweezers: **H2466** *(left)* / **H2467** *(right)* 				●

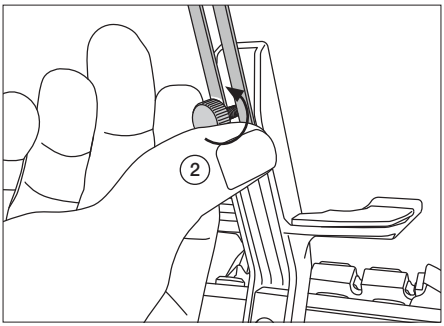
Station Setup

Assemble the Display Holder



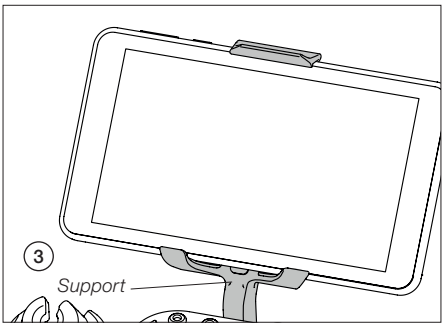
Align the display holder components as shown in the image and screw them to the charging base using the supplied DIN965 screw (1).

Release the Display Holder's Tab



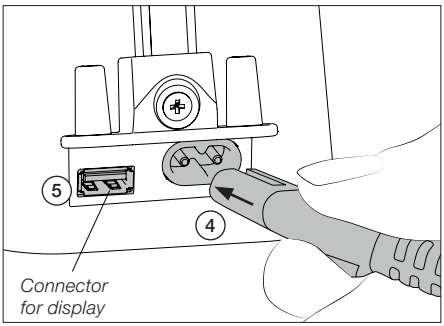
Loosen the fixing knob (2) enough so that the display holder tab can slide along the rear rail.

Place the Display



Place the display on the support (3). Adjust the height of the display holder tab and tighten the fixing knob.

Plug in the Charging Base



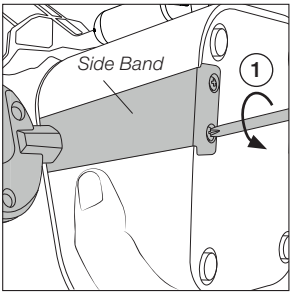
Connect the charging base to the mains (3).

Your display can be connected to the USB port (4) to keep it charging while working.

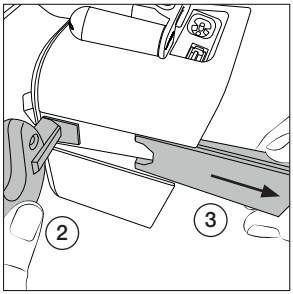
On your display, open the B.IRON app:

Charging Holder Assembly

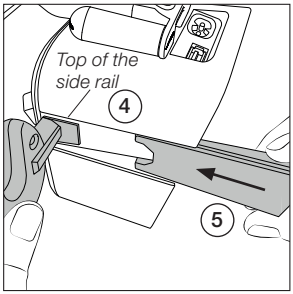
Charging holders can be assembled or replaced by loosening the screws at the bottom of the charging-base.



Loosen the screws (1) at the bottom.



Hold the charging holder with one hand (2) and with the other pull the side band downward (3).



To install a new charging holder, place it at the top of the side rail (4) and slide back the side band (5) until the holder is secured in place. Finally tighten the screws at the base.

App Installation

On your **smartphone or tablet** *(Android / iOS)*, go to the App Store/Play Store and search for "JBC B.IRON" on the search bar.

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

Note: Internet connection is required to download the app from the App Store or Google Play.

Alternatively, scan these QR codes to access the B.IRON app website:

Download on the App Store

ANDROID APP ON Google play

For displays <u>without Internet</u> connection

(Android only)

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

DOWNLOAD ANDROID Installer

Then, connect the display to the device with the installer and enable file transfer on the USB preferences of the display (swipe down from the top of the screen and tap on the notification from Android System).

Copy the installer to the internal storage of the display on Files > Internal storage > JBC (create folder if non-existent). Access the folder named JBC on the internal storage of the display and run the installer.

App Versions

Make sure that the required app version is installed on the display (tablet or smartphone) for compatibility reasons:

- B.100, B.500 and B.NANO require app versions **1.6** or higher.
- B.TWEEZERS requires app versions **1.7** or higher.

App Update

Display <u>with Internet</u> connection *(Android / iOS)*
Update through “App Settings” on the main menu of the app, Google Play *(Android)* or App Store *(iOS)*.

Display <u>without Internet</u> connection *(Android)*
Download JBC’s installer to another device with an Internet connection from JBC’s website: https://www.jbctools.com/jbcsoftware.html.

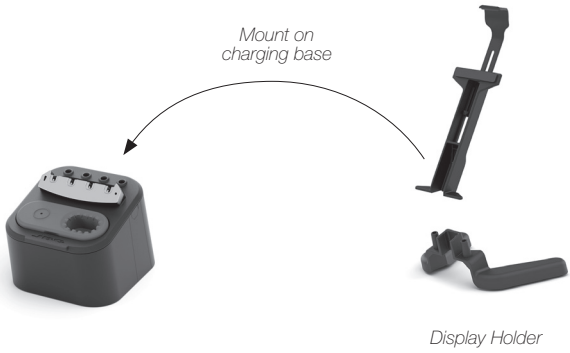
Then, connect the display to the device with the installer and enable file transfer on the USB preferences of the display (swipe down from the top of the screen and tap on the notification from Android System).

Copy the installer to the internal storage of the display on Files > Internal storage > JBC (create folder if non-existent). Access the folder named JBC on the internal storage of the display and run the installer. After the installer is completed, the app will be updated to the latest version.

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)*

Tool Expansion Kits for B.IRON Stations

B.NANO K*
Nano Tool Expansion Kit

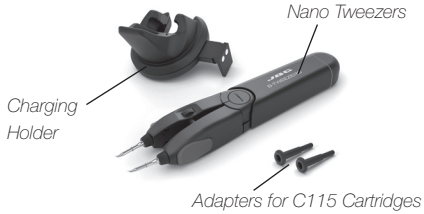
This kit allows extending B.IRON stations with B.NANO Tool.

Works with C115 Cartridges.

B.TWEEZERS K*
Nano Tweezer Expansion Kit

This kit allows upgrading B.IRON stations to a rework station by adding B.TWEEZERS.

Works with C115 Cartridges.



B.100 K*
Light Tool Expansion Kit

This kit allows extending B.IRON stations with B.100 Light Tool.

Works with C210 Cartridges.

B.500 K*
Tool Expansion Kit

This kit allows extending B.IRON stations by adding B.500 Tool.

Works with C210 Cartridges.

** Cartridges not included.*
To charge the tools, a B.IRON charging base or station is needed.
Required app version: For B.100, B.500 and B.NANO, 1.6 or higher and for B.TWEEZERS, 1.7 or higher.

Maintenance

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.

Specifications

BCB
Charging-Base for B.IRON
Ref. **BCB-5A**
Ref. **BCB-2IA** - *India*

- Input:	100 V - 240 V 50/60 Hz
- Nominal Power:	40 W
- USB Output:	5 V / 1000 mA
- Total Net Weight:	1.64 kg / 3.61 lb
- Total Package Dimensions/Weight: (L x W x H)	223 x 223 x 160 mm / 1.95 kg 8.78 x 8.78 x 6.30 in / 4.3 lb

Complies with CE standards.
ESD Safe (to comply with ESD requirements, see page 3).

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.

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