



Web Manager






User Manual

WM31700/0416

Web Manager Version: 3.17.0.0

Station Controller Version: 3.17.0.0

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Introduction

More than 80 years of experience have placed JBC at the technological forefront of tools for soldering and rework operations in electronics.

Innovation, efficiency and reliability are the key features of a wide range of products which have been designed to satisfy the most demanding requirements of professionals.

One of the tools of B.Net system is Web Manager. This software based on web technology is a distributed environment to manage JBC soldering stations. This solution allows you to access station data remotely, using the company network and/or internet from any device, smartphone, tablet, Android, iPhone/iPad or computer.

Purpose of this manual

This manual describes the functionalities of the Web Manager software for the configuration and control of JBC stations.

Before using the Web Manager application it is necessary to configure a web server, a database and a JCB Station Controller. For more information check the Installation / Update manual that is available for free on JBC's website www.jbctools.com

Intended recipients

This manual is written for users of JBC stations and describes the operation of the Web Manager application.

System requirements

The Web Manager software does not require installation on the user's computer because it uses a web browser to access the different stations. The following operating systems and browsers are supported:

- Windows 7 or higher. (64 Bit versions are recommended)
- Windows 2008 server or higher.
- IExplorer 9 or higher
- Firefox 8 or higher.
- Chrome 14 or higher.

Other browsers may work with the Web Manager application, but all of the functions may not be available.

Supported stations

The following list shows the JBC stations that are supported by the Web Manager application as well as the minimum version of the program required.

Station	Minimum version of the program required
DM	9996761
DD	9996762
DDR	9996779
DI	9996763
HD	9996764
HDR	9996780
CD/CF	9996765
CS/CV	9996766
CP	9996767
NA	9996768
DDE, HDE, DME, NAE	All

Program Description

First steps

To access the Web Manager application, you must enter the following address into the browser's address bar.

`http://WebServerName/WebManager`




User ID

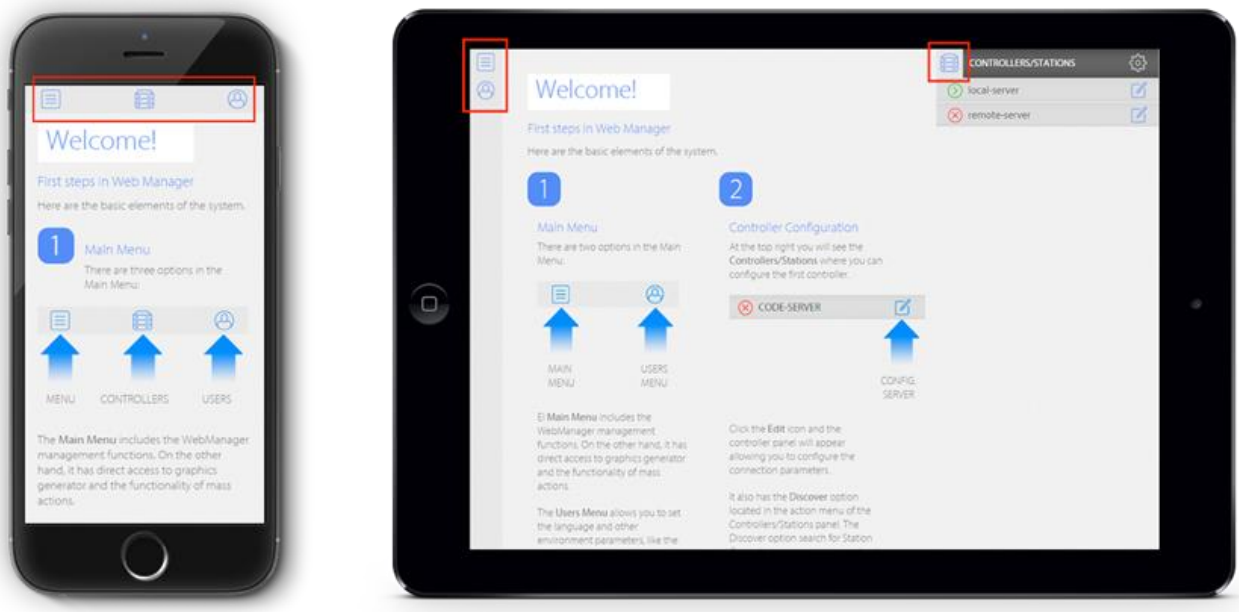
On the home page, click on the Start button and then enter the registration e-mail and password to log in and access the application.

The image shows a login interface for JBC. At the top, the JBC logo is displayed in red, with the website address www.jbctools.com below it. Below the logo, there are two input fields: the first is labeled 'Email to Login' and the second is labeled 'Password'. Underneath these fields are two buttons: 'Cancel' on the left and 'Enter' on the right. At the bottom of the form, there is a link that says 'Forgot your password?'.

Welcome page



The control buttons are at the top of the welcome page:

-  Controllers configuration
-  Environment options for the current session
-  Monitoring of the status of the JBC stations





Operation of the application

Connect Controllers/Stations

The first step is to look for the controllers and stations on the network. To do this, pull down the **Controllers / Stations** menu by clicking on the  icon, then on the  icon to select the **Discover** option (This tool is only available for users that are administrators). This will carry out a search for all of the controllers that are connected to the network, showing them in a list to select the controllers to add. If controllers or stations have already been added, the **Refresh** option can be used to update the status of the **Controllers / Stations** on the list.

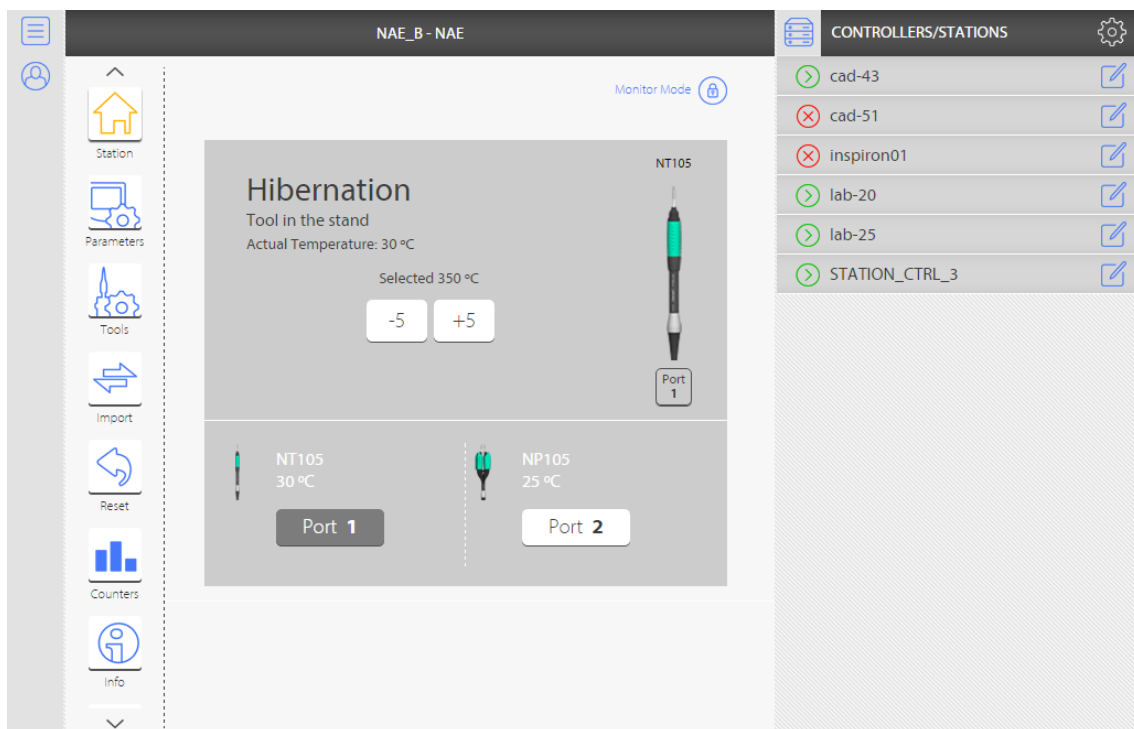
Select a station

The list of **Controllers / Stations** will show all of the controllers and stations that have been added to the application, showing:

- A green icon  if it is connected to the Web Manager application
- A red icon  if there is currently no communication with the controller

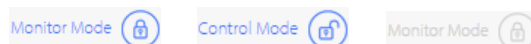
If a controller is connected to the network and appears to be disconnected, the list can be updated using the Refresh option.

When a controller is selected, a menu drops down showing the different stations connected to it. When you click on a station, the application will show the working screen with the current status of the station.





Station in Monitor Mode

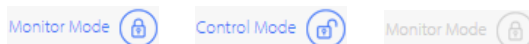
The connection with a **Station** is carried out by default in **Monitor Mode**. In this mode you can see the current operating parameters, the tools connected to the different ports and a graph of the temperature and / or power of each of the tools. Changing the operating parameters of the station is only possible in **Control Mode**. If the user's profile does not allow editing some of the station's parameters, the **Monitor Mode** icon will appear in grey.



For more information about the various parameters, see the station's manual that is available for free on JBC's website www.jbctools.com

Station in Control Mode






Once you have selected a station, an icon will appear at the top of the various menus in the shape of a padlock that shows the status of station as in **Control Mode**. If the icon is closed  that means that **Control Mode** is off, otherwise it appears open . To enable or disable control, simply click on the icon. If the user's profile does not allow editing of some of the station's parameters, the **Monitor Mode** icon will appear in grey.



For more information about the various parameters, see the manual for the station that is available for free on JBC's website www.jbctools.com

Administration Menu

Clicking on the  icon will open the **Administration Menu**.

-  **Controller Management**
-  **Configuration Management**
-  **Plot**
-  **User Management**
-  **Zone Management**

CONTROLLER MANAGEMENT

This menu shows the list of controllers connected to the network and the zone to which they have been assigned. The users can only see the controllers that are in the zone assigned to those users.

Selecting a controller from the list and clicking on the  icon allows you to add a **New** controller, **Modify** an existing one or **Delete** one that is no longer used.


The parameters to enter / modify a controller are the **Label** or name, the **IP address**, the Ethernet **Port** and the **Zone** to which it belongs. The list of zones will be empty if none have been created previously.





CONFIGURATOR MANAGER

This menu is used to configure stations, either individually or several at a time. It makes it possible to modify the parameters of a saved configuration, import the configuration from a station that is connected to the network and create pre-configured profiles that can then be applied to one or several stations.

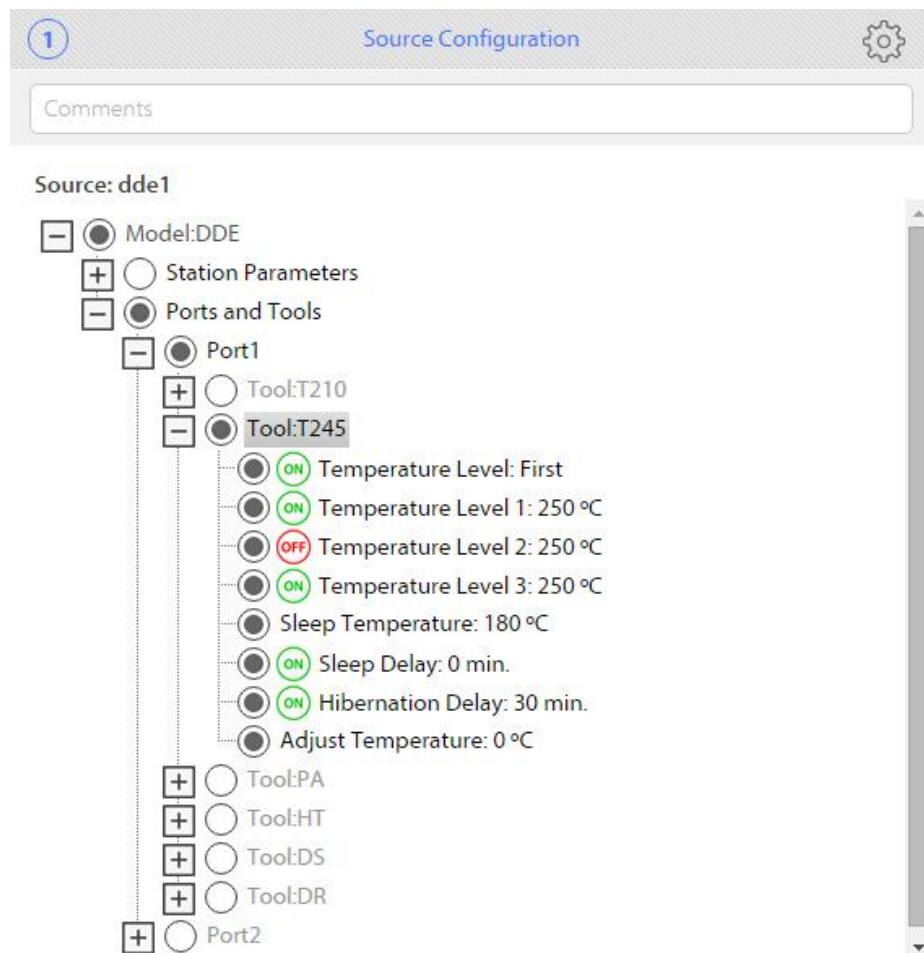
Source Configuration

Import

Opening the **Source Configuration** menu by clicking on the  icon makes it possible to import a configuration that was saved previously or obtain the current settings of a station on the network.

When you select **Import saved**, a list will appear with the previously saved configurations, with three    icons corresponding to the options for comments, delete file and open file. This list will be empty if you have not saved any configurations previously. On the other hand, **Import station** shows a list of stations connected to the network. To display a configuration that has been saved or a configuration from one of the connected stations, press the  button on one of the items in the list.

After importing a configuration from one that was previously saved or from one of the stations, a window will open showing the configuration parameters of the station as a tree, where you can select and modify the different values.





Print

The **Print** option opens a new window with a table showing all of the configuration settings, the name and the current date.

Destination Configuration

Add Stations

Click on the  icon to bring up the **Destination Configuration** menu. The **Add Stations** option allows you to select the stations that the selected Source Configuration will be applied to. Once the stations have been selected, click on the **Add marked** button. Once the stations to be configured have been selected, the ports available in them will appear.

Clicking on the icon  will bring up a window where you can assign a source port configuration to each of the ports of the destination station. If you select the **No** option, no configuration will be applied to the destination port.

2 Target Stations		
 DDE		
P1 < P2 P2 < P4		
 DME		
P1 < P2 P2 < P4 P3 < P1 P4 < No		
 CD-CF		
P1 < P2		
 CP		
P1 < No		
 NAE		
P1 < P2 P2 < P4		
 HDE		
P1 < P2		
 CS/CV		
P1 < P3		
 CD/CF		
P1 < P3		
 DI		
P1 < P4		
Apply Configuration		

Apply Ports

If you want to assign the same ports to several stations at the same time, the **Apply Ports** option allows you to select this assignment for all of the stations added in **Destination Configuration**.

P1

Target < Source

P1 <

P2

P2

P2 <

P4

P3

P3 <

P1

P4

P4 <

No



Ok

Cancel

Apply Configuration

Once the **Source Configuration** has been selected and the ports to apply it to have been chosen in **Destination Stations**, click the **Apply Configuration** button to carry out the modification of the parameters of the destination stations.

Once the process has finished, a summary of the actions taken will be shown on the screen with a symbol for each of them:

-  The action was successfully carried out
-  Some of the parameters are incompatible



Pressing the View report button will bring up a summary of the settings applied, marking in red the parameters that have not been modified with the values of the Source Configuration.

Station Settings

Tuesday, November 24, 2015

Station: - HDE

Parameter	Value	Parameter	Value
Name		Minimum Temperature	90 °C
Maximum Temperature	250 °C	Software Version	9996938
Protocol Version	02		

Port	Tool	Selected Temp.	Temperature Level	Temperature Level 1	Temperature Level 2	Temperature Level 3	Sleep Temperature
1	T245	0 °C	Second (NO)	200 °C (YES)	260 °C (YES)	350 °C (YES)	200 °C

Process Log

Station: HDE	
	Getting control
	Target Port P1 from port P1
	T245.toolTempLv12 :260 °C
	T245.toolTempLv13 :350 °C
	Freeing control

In the picture above you can see how the value for the maximum temperature is 250°C, whilst the temperature at which it was intended to set levels 2 and 3 are 260°C and 350°C respectively. The report highlights in red the values that could not be modified in accordance with the **Source Configuration**.

PLOT

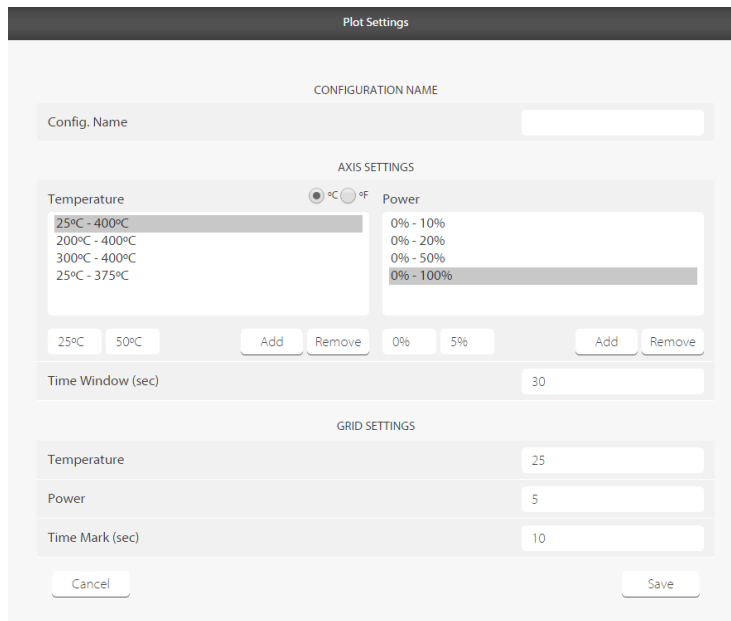
This menu can be used to create different graphics of the temperature and/or power output of the various tools connected to the station.

Plot Configuration

Click on the  icon to bring up the **Plot Configuration** options menu. You can create a **New** configuration, **Modify** an existing one or **Delete** one that is no longer in use.

The configuration parameters of a graph are:

- **Name** that will be shown by the application.
- **Temperature Axis Configuration**, with the range of values and the unit used for the temperature axis. New temperature ranges (that are different from the default setting) can be added or deleted.
- **Power Axis Configuration**, with the range of values for the power axis. New power ranges (that are different from the default setting) can be added or deleted.
- **Time Window**, which defines the number of seconds shown in the graph window.
- **Temperature Grid Setting**, with the separation of the temperature grid.
- **Power Grid Configuration**, with the separation of the power grid.
- **Time Mark Grid Configuration**, with the separation of the time grid.



Plot Settings

CONFIGURATION NAME

Config. Name

AXIS SETTINGS

Temperature ☒ °C ☐ °F Power

25°C - 400°C
200°C - 400°C
300°C - 400°C
25°C - 375°C

0% - 10%
0% - 20%
0% - 50%
0% - 100%

25°C 50°C Add Remove 0% 5% Add Remove

Time Window (sec) 30

GRID SETTINGS

Temperature 25

Power 5

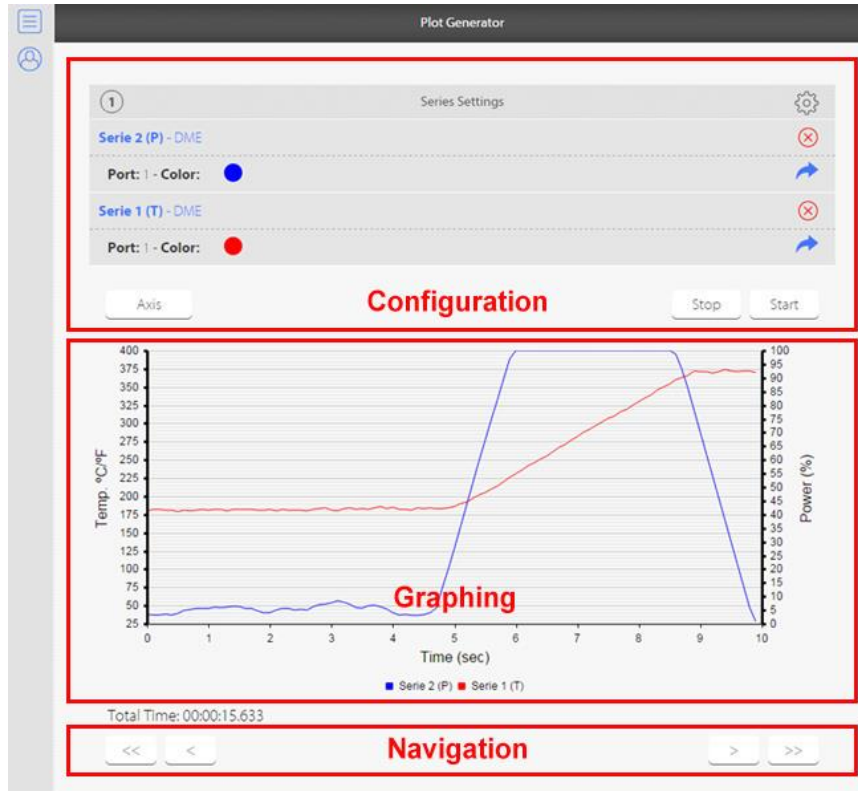
Time Mark (sec) 10


Cancel Save

This configuration can also be set from the graphics window by clicking on button the **axes button**.

Plot Generator


The graph generation window has three main parts: the first corresponds to the configuration of the different series, the second to the representation of values and the third corresponds to navigation / movement around the graph.




Click the  icon to bring up the **Series Configuration** menu that allows you to access the **Add Series** option, where you can set the name, station, port, the magnitude to be shown and the colour. You can add as many series as necessary.

Clicking on the button **Axis** provides access to the **graphics configuration**, where you can select the scale of the different axes, their units and the grid to be displayed.

To generate a graph with the previously established series, press the **Enter** button. Once the graph has been generated, click on the **Stop** button to stop the graph.


Click the  icon to bring up the Graphics options menu that allows you to access the **Export Series** option and select the export format, which can be CSV (3.2), CSV English (3.2) or LBR. The file generated can be downloaded to the device directly or emailed as an attachment.

If you only want to export one of the series generated or you want to generate a file for each of them, click on the  icon of the series you want to export. A menu will be brought up where you can select the format and the type of download.

USER MANAGEMENT


This menu allows you to manage users and their rights to modify parameters.

Profiles

If you go into the **Profiles** menu options by clicking on the  icon, you can create a **New** profile, **Modify** an existing one, **Delete** one that is no longer used or edit the Permissions of a profile that has already been created.

When you create a **New** profile, you must enter a name for it and you can import a saved configuration if you want to create a new profile based on an existing one. Once the viewing and editing permissions have been modified, click the Save button.


Users

If you go into the options of the **User** menu by clicking on the  icon, you can create a **New** user and **Modify** or **Delete** an existing one.

The parameters of a user are:

- **Name** that will be shown by the application
- **Email** used for login and password recovery
- **Type**, selecting whether the profile is of the administrator or user type (feature only available for super administrators)
- **Zone Manager**, which establishes the right of user registration.
- **Password** used to login
- **Repeat password** used to verify the password field
- **Profile** with the selection of the profile containing the associated edition rights
- **Active**, indicating whether the user can log in or not.
- **Linked Zones**, which is only available in modification mode. It makes it possible to link zones to the user. This function is available to administrators and zone managers.


ZONE MANAGEMENT

This menu allows you to manage different zones as well as the membership relationships between them. If you go into the **Zones** options menu by clicking on the  icon, you can create a **New** zone, **Modify** an existing one, **Delete** one that is no longer used, **Move** a zone into another one and **Print** a table with the different zones and the station controllers associated with each one of them.

The parameters of a Zone are:


- **Membership**, zone of a higher level that includes the one created
- **Name** that will be shown by the application

User Menu

Clicking on the  icon will open the **User Menu**.

- **Environment Management**
- **Version Information**
- **User Manual**
- **Close Session**

Environment Management

The **Environment Management** menu enables you to configure the appearance of the Web Manager application. You can select the temperature units (°C or °F), language, and the option to only show stations or both stations and controllers in the Controllers/Stations menu, which is accessible via the  icon.

Version Information

It shows the version of the **Web Manager Application** and the **DLL Remote Connector**.

User Manual

It shows the user manual where all the functionalities are detailed

Close Session

Logs off the user

Troubleshooting

Problems

FAQ

History

Version 0416

First version

