



BioCred Setup Guide

Version 1.0 (October, 2023)

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1. Offline (USB) setup procedure

By default, BioCred is configured as following:

- ETH: DHCP mode
- RNDIS: Fixed IP (192.168.101.1)

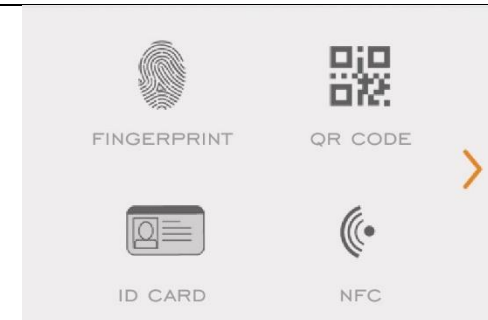
Once BioCred device removed from the box:

Step	Action/Event	Result	Web app ¹	BioCred display ²
1	Download and install the Panini RNDIS driver using the following link: https://files.panini.com/index.php/s/JvYVbjG7MMXpr0u	BioCred device will be recognized by Windows once plugged in.	N/A	N/A
2	Connect the BioCred device via USB cable to the PC. NOTE: use type A to type A USB cable.	N/A	N/A	N/A
3	Connect the BioCred device power supply.	“boot” information will appear.	N/A	“boot” information
4	Wait until the BioCred is ready.	Greyed buttons will be displayed, and 2 acoustic signals will be performed.	N/A	

¹ Web app = what the Operator sees (throughout) **NOTE:** Web app is intended only for internal tests or demo.

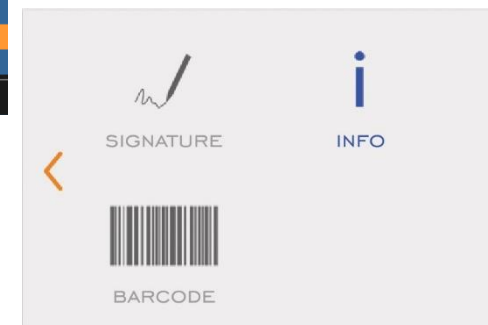
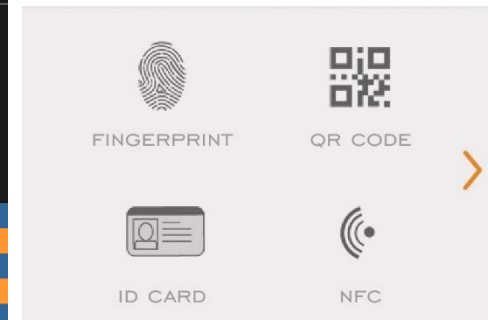
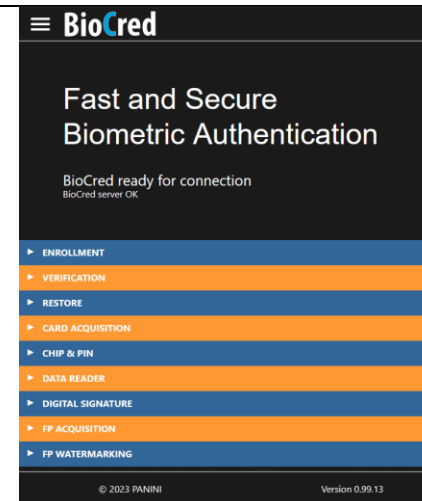
² BioCred display = what the CUSTOMER or USER sees (throughout)

If more than 4 features are enabled a lateral arrow will be available (as in the picture) picture.



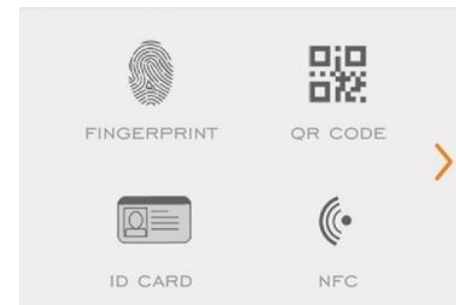
- 5 Open a browser page and type **the IP address** shown on the Info Page (192.168.101.1)

Home page of the Panini application will be reached



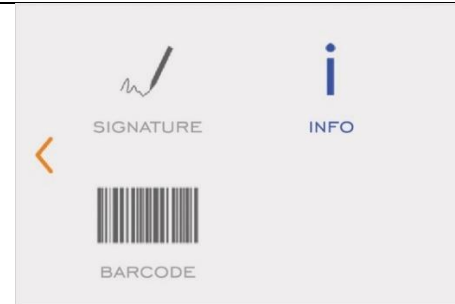
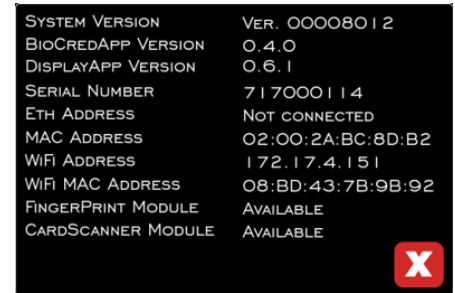
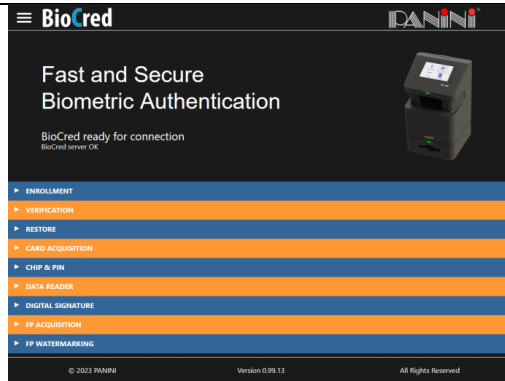
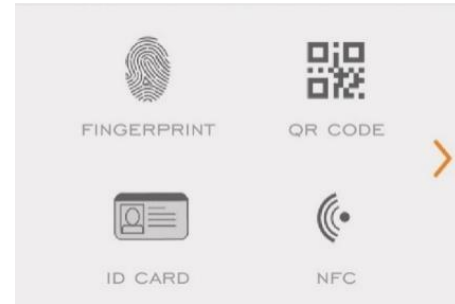
2. Online (Wi-Fi) setup procedure

***BioCred must be configured to the same Wi-Fi connection as the laptop/PC/iPad being used to run the device. Please see Recovery Mode section for instructions.**

Step	Action/Event	Result	Web app ³	BioCred display ⁴
1	Connect the laptop/PC/iPad to the desired Wi-Fi connection.	N/A	N/A	N/A
2	Insert the Wi-Fi dongle to the BioCred device.	N/A	N/A	N/A
3	Connect BioCred to the power supply.	“boot” information will appear.	N/A	Black screen with “boot” information
4	When boot cycle is complete, BioCred is ready.	2 acoustic signals will be performed. Greyed buttons and a red arrow will be displayed. Buttons represent the available features while red arrow allow move between pages.	N/A	

³ Web app = what the Operator sees (throughout) **NOTE:** Web app is intended only for internal tests or demo.

⁴ BioCred display = what the CUSTOMER or USER sees (throughout)

5	Press Red Arrow to reach second BioCred page	Second BioCred page appears on BioCred display	N/A	
6	Press on the “i” soft key button to show the “About” menu	Info page will be shown on the display	N/A	
7	Open a browser page and type the IP address present in the Info Page	Home page of the Panini application will be reached		 

3. Recovery Mode Configuration Settings

If you are having difficulties connecting to BioCred via USB or Wi-Fi, follow this section explaining how to boot the device in Recovery Mode and then reconfigure for your current environment.

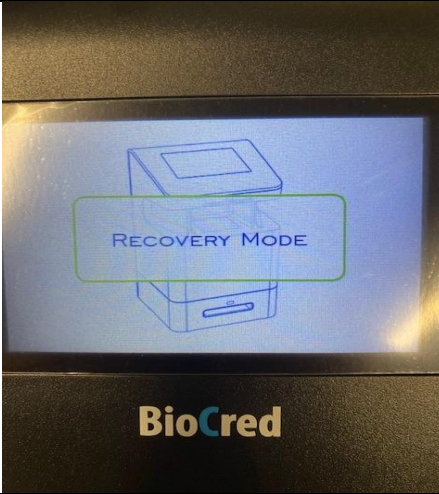
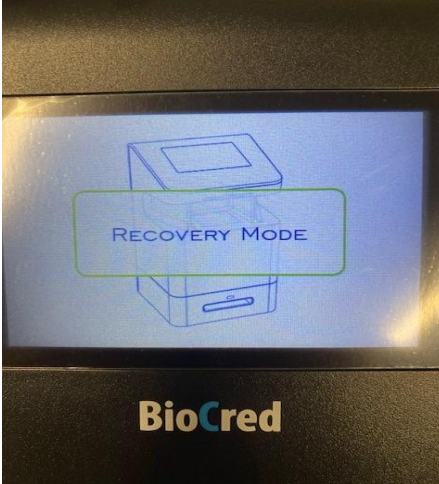
***Please note, that Recovery Mode is only temporary. If you do not complete the steps in section 3.2 to reconfigure the device, the next time it reboots it will retain the settings from prior to recovery.**

3.1 Device Boot

Step	Action/Event	Result	Web app ⁵	BioCred display ⁶
1	Insert the Wi-Fi dongle to the BioCred device.	N/A	N/A	N/A
2	Press and hold the reset button on the back of the device.	N/A	N/A	N/A
3	While holding the reset button, connect BioCred to the power supply.	N/A	N/A	Black screen with “boot” information.
4	Wait until boot is completed.	“boot” information will appear.	N/A	Black screen with “boot” information.

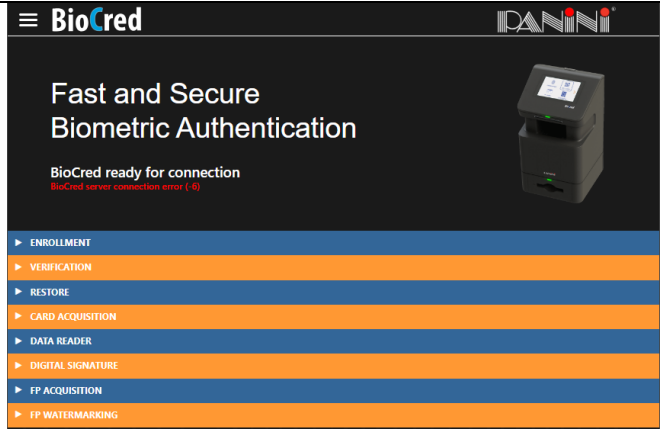

⁵ Web app = what the Operator sees (throughout) **NOTE:** Web app is intended only for internal tests or demo.

⁶ BioCred display = what the CUSTOMER or USER sees (throughout)

5	BioCred is ready.	2 acoustic signals will be performed. Recovery Mode will be displayed.	N/A	
6	From the available Wi-Fi networks displayed on your PC, connect to "UserConfig-WI-FI-AccessPoint" as this is the BioCred unit.	Device connected to Access Point	N/A	

3.2 Device Configuration

Follow these steps to connect to a Wi-Fi network in your office, to a bank's Guest Wi-Fi network or a Wi-Fi Hotspot.

Step	Action/Event	Result	Web app ⁷	BioCred display ⁸
1	Open a browser page and type 192.168.102.1	Home page of the Panini application will be reached.		

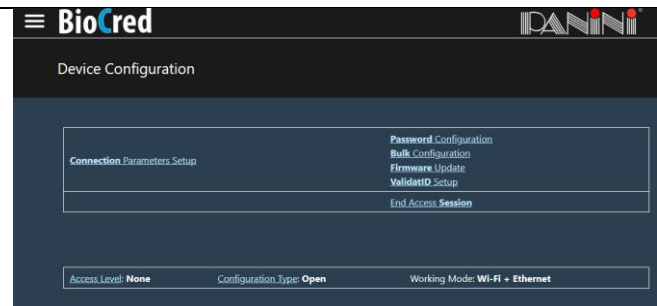
⁷ Web app = what the Operator sees (throughout) **NOTE:** Web app is intended only for internal tests or demo.

⁸ BioCred display = what the CUSTOMER or USER sees (throughout)

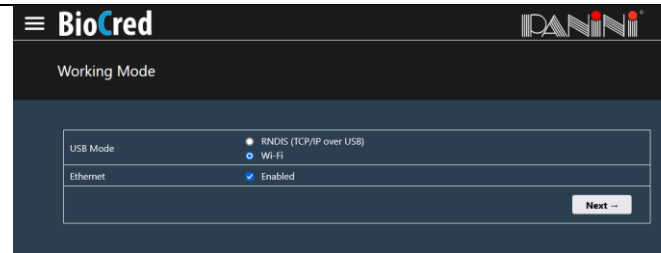
- 2 Click on the menu icon in top left corner alongside the BioCred logo. Menu items will be displayed.



- 3 Select "Configuration". "Device Configuration" page is displayed in the Web App. No changes to BioCred Display



- 4 Select "Connection Parameters Setup". "Working mode" page is displayed. No changes to BioCred Display.



- 5 Select “Wi-Fi” and
press “Next”. “Connection Parameters”
page is displayed.

No changes to BioCred
Display.

BioCred

Connection Parameters (Wi-Fi + Ethernet mode)

☒ Wi-Fi Access Point Mode ☐ Wi-Fi Infrastructure Mode

SSID: biocred_1sntfs

Security Mode: ☒ None ☐ WEP ☐ WPA PSK ☐ WPA2 PSK

Channel: 3

IP Address: 192.168.102.1

Subnet Mask: 255.255.255.0

Default Gateway:

DNS Server 1:

DNS Server 2:

Max Incoming Connections: 1

Connection Timeout [s]: 60

☒ On-board DHCP Server

Pool Start Address: 192.168.102.100

Pool End Address: 192.168.102.200

Lease Time [h]: 24

Ethernet

Addressing Mode: ☐ DHCP ☒ Fixed

IP Address: 192.168.103.1

Subnet Mask: 255.255.255.0

Default Gateway:

DNS Server 1:

DNS Server 2:

☐ On-board DHCP Server

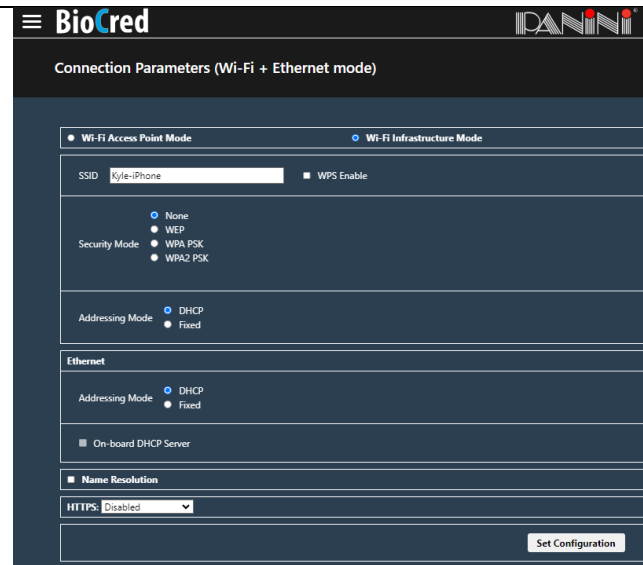
Name Resolution

HTTPS: Disabled

Set Configuration



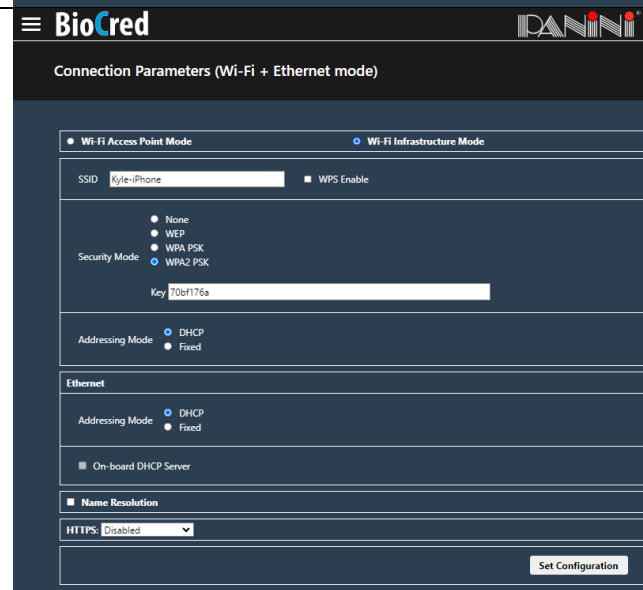
- 6 Select “Wi-Fi Infrastructure Mode” and enter “SSID” field is displayed.
Wi-Fi connection name.



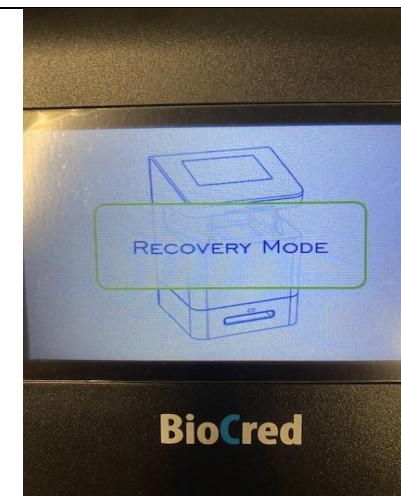
The screenshot shows the BioCred web interface for configuring connection parameters. The title is "Connection Parameters (Wi-Fi + Ethernet mode)". There are two tabs: "Wi-Fi Access Point Mode" and "Wi-Fi Infrastructure Mode", with the latter selected. The SSID field is highlighted with a green box and contains the text "Kyle-iPhone". The WPS Enable checkbox is checked. The Security Mode section has four radio buttons: "None", "WEP", "WPA PSK", and "WPA2 PSK", with "WPA2 PSK" selected. The Addressing Mode section has two radio buttons: "DHCP" and "Fixed", with "DHCP" selected. The Ethernet section has an Addressing Mode section with "DHCP" and "Fixed" radio buttons, and "DHCP" is selected. There is an "On-board DHCP Server" checkbox which is unchecked. The Name Resolution section has a dropdown menu set to "Disabled". The HTTPS section has a dropdown menu set to "Disabled". A "Set Configuration" button is at the bottom right.



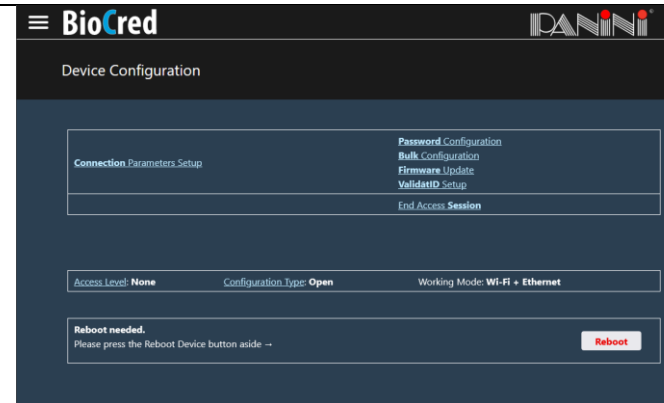
- 7 Select Security Mode “WPA2 PSK” and enter Wi-Fi password.
***Both Addressing Modes need “DHCP” selected**



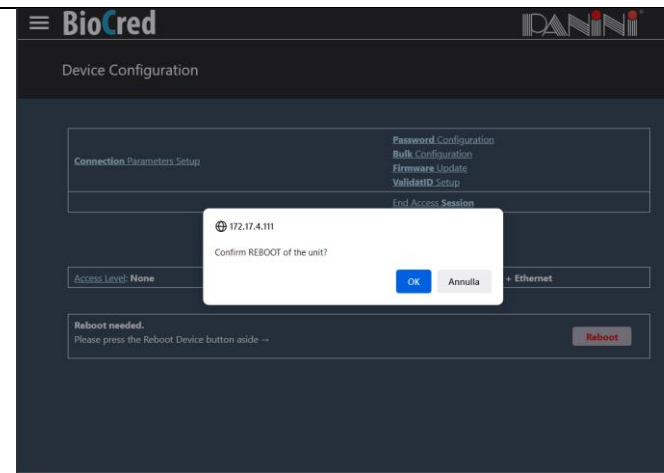
The screenshot shows the BioCred web interface for configuring connection parameters. The title is "Connection Parameters (Wi-Fi + Ethernet mode)". There are two tabs: "Wi-Fi Access Point Mode" and "Wi-Fi Infrastructure Mode", with the latter selected. The SSID field contains the text "Kyle-iPhone". The WPS Enable checkbox is checked. The Security Mode section has four radio buttons: "None", "WEP", "WPA PSK", and "WPA2 PSK", with "WPA2 PSK" selected. The Key field is highlighted with a green box and contains the text "70bf176a". The Addressing Mode section has two radio buttons: "DHCP" and "Fixed", with "DHCP" selected. The Ethernet section has an Addressing Mode section with "DHCP" and "Fixed" radio buttons, and "DHCP" is selected. There is an "On-board DHCP Server" checkbox which is unchecked. The Name Resolution section has a dropdown menu set to "Disabled". The HTTPS section has a dropdown menu set to "Disabled". A "Set Configuration" button is at the bottom right.

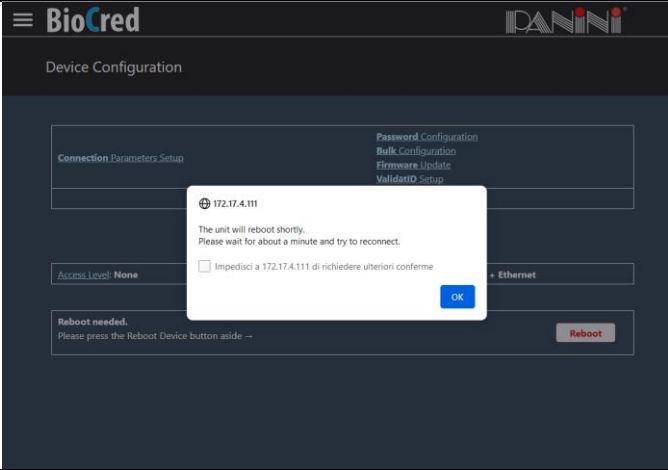



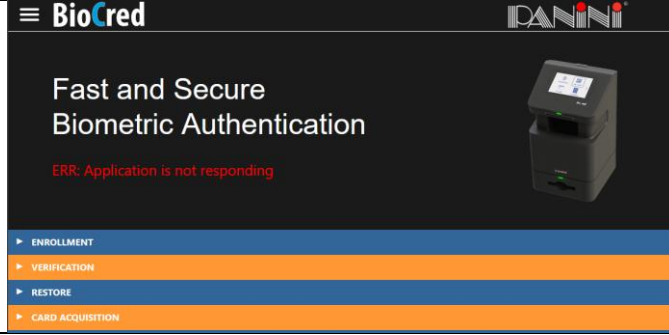
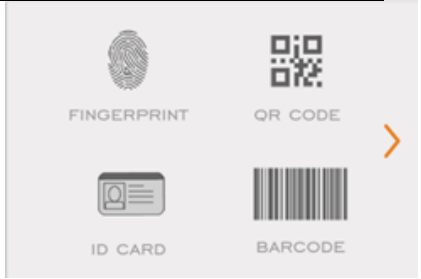

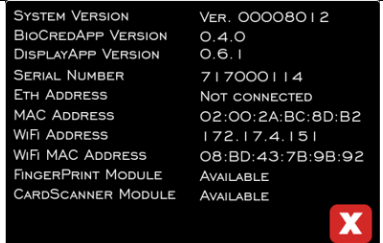
- 8 Select "Set Configuration".
- BioCred new settings are properly set inside the device.
- They will apply at the next boot.
- Reboot button is displayed.



- 9 Press "Reboot" button.
- Confirmation box is displayed.



10	Press "OK".	<p>The application informs that the device will be restarted, and a reconnection is needed.</p> <p>BioCred will start its boot function.</p>		"Boot" information
11	Wait until the BioCred is ready.	<p>BioCred performs 2 acoustic signals. Greyed buttons and a Red arrow will be displayed. Buttons represent available features while red arrow allows to move between pages.</p> <p>Web App reports a red Error message: the application is not responding.</p>		

12	From the available Wi-Fi connections list on the PC, connect to Wi-Fi network name you configured in BioCred.	Device connected to Wi-Fi connection.		
13	Press Red Arrow to reach second BioCred page.	Second BioCred page appears on BioCred display.	N/A	
14	Press on the “i” soft key button to show the “About” menu.	Info page will be shown on the display.	N/A	

- 15 Reload BioCred Web App by typing the new IP address found in the Info page into your browsers address bar.
- Home page is displayed.
- BioCred is ready to work with the new network configuration.

