SETUP GUIDE

iMatrix Micro Gateway

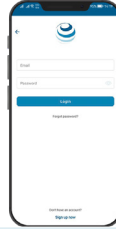### Step 1
Download iMatrix app.

GET IT ON Google Play
Download on the App Store

Step 2
Open the app and log into your iMatrix account or create a new one. Use Login / Register buttons in a sidebar.

Step 3
Click on the + icon in the top-right corner of the screen.

Step 3
Scan QR code on the back side of your gateway.

Step 4
Plug your gateway into a power supply and follow instructions on the screen of your phone.

Step 5
Customize your Micro Gateway, give it a unique name and take a photo.

Step 6
Micro Gateway will automatically connect to your iMatrix sensors and send data to the Cloud.

NOTIFICATION MANAGEMENT

Step 7
To recieve notifications and alerts select Dashboard – Settings – Notifications and Reports.

In "Channels" box add your e-mail, phone number and number for SMS messages to receive Alerts from your sensor.

Channels

Send emails to...
userg@imatrixsys.com

Send SMS to...
+16084838643

Call...
+16084838643

Send WhatsApp messages to...
+16084838643

Message and Data Rates May Apply

Step 8
You can select to which channels you want to receive notifications about different types of events.

Note: To receive Alerts in real-time, you need to be within Bluetooth range with the App running or use an iMatrix Wi-Fi Micro Gateway.

Notifications
About things:

	Voice call	WhatsApp	Email	SMS	None
Devices Alerts	○	○	○	●	○
Devices Warnings	○	○	○	●	○
Devices Advisory States	○	○	●	○	○
Devices return to Normal State	○	○	○	○	●
Devices go to online/offline	○	○	○	●	○

Step 9
Select the sensor for which you want to set up an alert notification and click the cogwheel Icon in top right corner.

In the Basic view you can set your **Alarm High** and **Alarm Low** limits, and **Threshold in time** for each parameter separately.
If you need more alert levels (up to 6) you can use Advanced view.

Notification Management

Temperature

Alarm Hight Limit	50	°F
Normal operation		
Alarm Low Limit	10	°F

Threshold Qualification (mm:ss)
00:00

Notification Management

Temperature

Alarm Hight Limit	80	°F
Warning Hight Limit	70	°F
Advisory Hight Limit	65	°F
Normal operation		
Advisory Low Limit	20	°F
Warning Low Limit	15	°F
Alarm Low Limit	10	°F

Threshold Qualification (mm:ss)
00:00

LED INDICATORS

Power Up
The LED blinks green during startup and the self-diagnostics sequence.

Scanning Mode
The LED breathes yellow while the device scans for available Wi-Fi Access Points within range.

Setup Mode
The LED blinks green/yellow. Use the iMatrix app to set up the Micro Gateway.

Connecting Mode
The LED blinks yellow while connecting to a Wi-Fi Access Point.

Not Connected
The LED blinks red if the Micro Gateway fails to connect to the Wi-Fi Access Point and returns to Setup Mode.

Connected
Normal Operation. The LED breathes green when connected to the Wi-Fi Access Point. It goes solid yellow during data transmission to the iMatrix Cloud.

OTA Update
The LED breathes green when connected to the iMatrix System. When performing an Over-The-Air (OTA) update it blinks yellow during the processing of data packets.

Reset Required
The LED remains solid green. Press the LED/Button once to reset the Micro Gateway.

PRO TIPS

Ensure Proper Placement:
- Place the Micro Gateway within range of the Wi-Fi Access Point as well as the iMatrix BLE sensors. Optimal placement ensures reliable communication.
- Consider using multiple Micro Gateways to add redundancy to the network and expand area coverage.

Monitor Sensor Status:
- Log into your iMatrixsys.com cloud account to confirm which iMatrix sensors are being monitored.
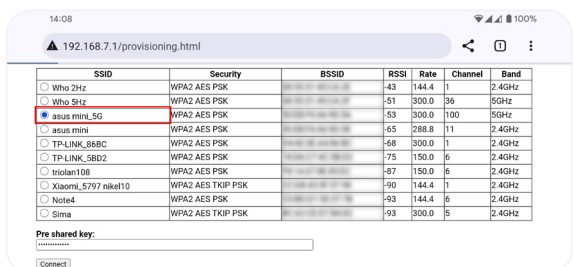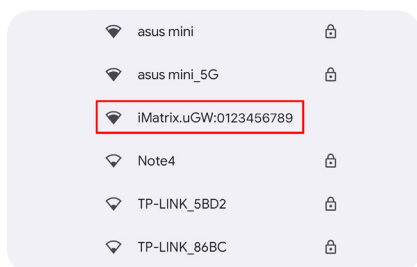- Check the number of sensors in each group and the total number of devices connected.

Re-enter Setup Mode:
- To change the SSID or password, **press the LED/Button on the Micro Gateway four times within four seconds**. This action will put the Micro Gateway back into Setup Mode.

MANUAL WI-FI CONFIGURATION

If you're having trouble connecting the Micro Gateway using the app, you can do it via gateway web interface:

1. Position your Wi-Fi-enabled device (PC or smartphone) near the Micro Gateway.
2. Put the Micro Gateway in Setup Mode (**press the LED/Button on the side four times within four seconds**).
3. Wait until you see public Wi-Fi network iMatrix.uGW:<your gateway's serial number>
4. Connect your device to the Micro Gateway. If your device alerts you that this network has no internet access, select "Don't disconnect".
5. Open a browser and enter http://192.168.7.1
6. From the list of visible networks select the SSID of your network, enter password and click "Connect" to finish manual configuration.

SSID	Security	BSSID	RSSI	Rate	Channel	Band
Who 2Hz	WPA2 AES PSK		-43	144.4	1	2.4GHz
Who 5Hz	WPA2 AES PSK		-51	300.0	36	5GHz
asus mini_5G	WPA2 AES PSK		-53	300.0	100	5GHz
asus mini	WPA2 AES PSK		-65	288.8	11	2.4GHz
TP-LINK_86BC	WPA2 AES PSK		-68	300.0	1	2.4GHz
TP-LINK_5BD2	WPA2 AES PSK		-75	150.0	6	2.4GHz
triolan108	WPA2 AES PSK		-87	150.0	6	2.4GHz
Xiaomi_5797 nikel10	WPA2 AES TKIP PSK		-90	144.4	1	2.4GHz
Note4	WPA2 AES PSK		-93	144.4	6	2.4GHz
Sima	WPA2 AES TKIP PSK		-93	300.0	5	2.4GHz

Pre shared key:

Connect

Wi-Fi networks list:
- asus mini
- asus mini_5G
- iMatrix.uGW:0123456789
- Note4
- TP-LINK_5BD2
- TP-LINK_86BC

14:08   192.168.7.1/provisioning.html

If you have problems with your iMatrix device setup, contact support: **support@iMatrixsys.com**