


Myfridgeonline

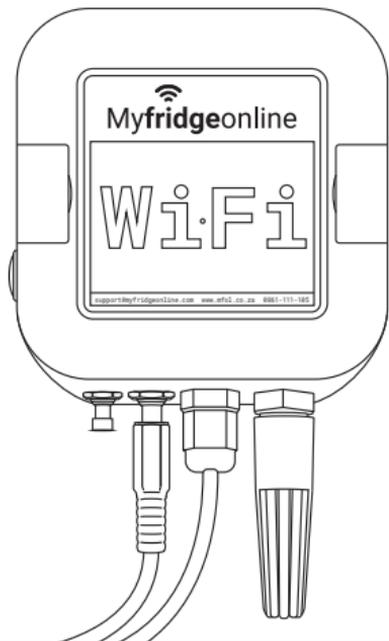


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Wi-Fi MK3 Manual

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Overview

Buttons

Start up

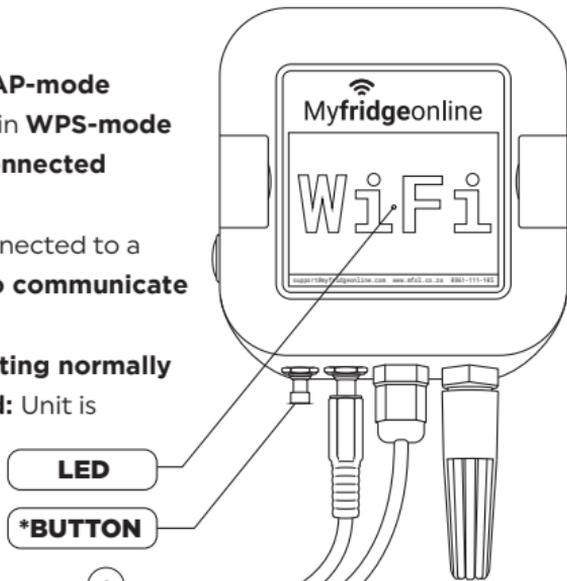
1. Pressing the *button **once** will start **AP-mode**
2. Pressing the *button **twice** will start **WPS-mode**

Normal Operation

1. Pressing the *button **once** will force an **uplink**
2. Pressing the *button **five-times** will force the unit to **reboot**

LED

1. **Flashing Red:** Unit is in **AP-mode**
2. **Flashing Yellow:** Unit is in **WPS-mode**
3. **Solid Red:** Unit is **not connected** to a network
4. **Solid Yellow:** Unit is connected to a network, but is **unable to communicate** with the **server**
5. **Solid Blue:** Unit is **operating normally**
6. **Flashing Green and Red:** Unit is performing an **OTA** (Over-The-Air) update



Features

1. Device driven alarms configured via the **Myfridgeonline**  Portal
2. 7 days of log retention (This is based on a 10-minute log period)
3. Wi-Fi 2.4Ghz Support
 - a) OPEN, WEP, WPA, WPA2, WPA-ENTERPRISE
4. Over-The-Air updates
5. Wi-Fi based setup
6. Up to five saved networks
7. 7 day battery life (This is based on a fully charged new battery, 10 minute logs and 1 hour uploads)
8. Encrypted communication
9. Variety of peripherals supported
 - a) PT100
 - b) Temperature and Humidity
 - c) Digital Input
 - d) Digital Temperature Sensor (Default)
 - e) Power Failure Detection (Default)

Wi-Fi AP Configuration

1. Connect to Access Point

- a) Connect the unit to **Power**
- b) Switch the button to the **On** position
- c) When the **LED** is **RED** press the button **once**
- d) The **LED** will start flashing **RED**
- e) A Wi-Fi access point should be visible **WiFiMk3_xxxxxxxx** in your list of devices in your Wi-Fi menu
 - If possible disconnect from your current network and connect to the above network
- f) Connect to the **access point** with your mobile or PC
- g) Navigate to the IP Address  **192.168.4.1** in your browser or scan the **QR Code**



- h) The unit will stay in **AP-mode** for up to 10 minutes, there after it will restart
- ## 2. Fill in your Wi-Fi details and select **Finish**
- ## 3. Once complete the unit will reboot and connect to your access point, if setup if **successful** the **LED** should turn **BLUE**

Wi-Fi WPS Configuration

1. Enable **WPS-Mode**

- a) Connect the unit to **Power**
- b) Switch the Button to the **On** position
- c) When the **LED** is **RED** press the button **twice**
- d) Wait for the **LED** to start flashing **YELLOW**
- e) Press the **WPS** button on your router/gateway
- f) If connection is successful, the unit will reboot
- g) The unit will stay in **WPS-mode** for up to **2 minutes**

2. The **LED** should turn **BLUE** once **successfully** connected to the gateway

How the device works

1. Upon startup the unit will take a log and perform an uplink
2. Thereafter it will take a log at every configured log interval (Default: 10-minutes)
3. Sensor status is checked every minute, if an alarm condition is detected it will be escalated until the delay has elapsed thereafter it will immediately notify the server via an uplink
4. If no alarm conditions are present the unit will perform an uplink, every uplink interval (Default: 1-hour)

Troubleshooting

1. The Wi-Fi MK3's **LED** is **flashing RED**

- a) The unit is in **AP-mode**, power cycle or wait **10 minutes** for automatic restart

2. The Wi-Fi MK3's **LED** is **flashing YELLOW**

- a) The unit is in **WPS-mode**, power cycle or wait **2 minutes** for automatic restart

3. I have connected to the **AP** but 192.168.4.1 is not loading

- a) Confirm that your device (mobile/laptop) is still connected to the Wi-Fi MK3
- b) Disconnect and reconnect to the **access point**
- c) Power cycle the unit, put the unit back into **AP-mode** and reconnect
- d) If the issue persists, reset the device's **DNS settings** to their defaults. (Default Primary DNS Server IP - 8.8.8.8 Default Secondary DNS Server IP - 8.8.4.4)

Technical Specifications

Wi-Fi Temperature & Humidity Logger MK3

General

Model	Wi-Fi MK3 I/E-T/TH/A
Dimensions	100x100x50
Weight	0.25kg
Mounting method	Velcro/Two way tape/Hang/Wall Plugs
Mode of Communication	Wi-Fi 2.4Ghz
Mode of operation	Electronic
ICASA Approval	TA-2018/2266

Environmental Specifications

Operating Temperature	5°C to 60°C
IP Rating	IP 44
Storage Temperature	5°C to 50°C

Electrical Specifications

Power Supply	100 - 220V AC Adaptor with 5V DC output via barrel jack
Battery Life	7 days (Based on default settings)

Communication

Bandwidth Standard	802.11 b/g/n
Communication Encryption	Yes
Range	50m to 100m Line of sight (environment dependant)

Logging

Logging Interval	Default: 10 Minutes Minimum: 10 Minute Maximum: 1440 Minutes (Configurable in 1 minute step duration)
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Standard Upload Frequency	Default: 10 Minutes Minimum: 10 Minute Maximum: 1440 Minutes (Configurable in 10 minute step duration)
Memory capability	7 days worth of logs, stored in internal flash (Based on 10-minute logging)
User Interface	
Viewing and Programming	WEB & Local PC application
Status Indicator	RGB LED
Alarms	
External	SMS, Email, Telegram & WEB
Quality	
Standard	ISO 9001-2015
Supported Sensors	
Digital Inputs	1
Power Failure Detection	Yes
Sensor Temperature Range	-30°C to +60°C
Sensor Temperature Accuracy	±0.3°C
Sensor Humidity Range	0 to 100%
Sensor Humidity Accuracy	±2%
Sensor PT100 Range	-80°C to +200°C
Sensor PT100 Accuracy	±0.05°C
Digital Temperature Sensor Range	-55°C to +55°C
Digital Sensor Accuracy	±0.5°C



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