

A "Captive Portal" is a web-page that a user must view and interact with before being given access to a Wi-Fi network. "Captive Portal" is mainly used for authentication purposes and is usually used with free Wi-Fi "hot spots" such as those in business centres, airports, hotel lounges and coffee shops etc. This guide shows you how to set up a "Captive Portal" on a Siretta Industrial Router that has Wi-Fi functionality.

**NOTE: Captive Portal on WLAN is only supported on Wi-Fi versions of Siretta routers.**

The following products have been used to create this document:

- QUARTZ-W22-UMTS (EU) + ACCESSORIES
- PC connected to a local area network.
- SIM card

## Configure the Siretta Router WLAN

1. Insert SIM card into the Siretta Industrial Router (Example below uses a QUARTZ-W22-UMTS (EU))
2. Enter the APN details as provided by the SIM card provider (You can follow the router Quick Start Guide for more assistance with this).
3. Once the Router is connected to the mobile network you will see the connected status on the router's web interface (GUI) as seen below.

192.168.1.2/

☆ Goldvision

● Olanca

☆ Intranet

Google

Office365

Siretta

www.siretta.co.uk

Cellular Router

Status

Overview

VPN

LAN

Device List

Basic Network

WLAN

Advanced Network

Firewall

VPN Tunnel

Administration

Debugging

Logout

Router

System Status

Router Name

Router

Hardware Version

C11-D20

Firmware Version

Router-4.3.4.1

Router Time

Mon, 24 Sep 2018 15:10:47 +0100

Uptime

00:56:57

Total / Free Memory

60.05 MB / 45.55 MB (75.86%)

Clock Sync.

Internet Status

Connection Type

Cellular Network

MAC Address

34:0A:08:10:20:23

Modem Type

3G-MU709S:WCDMA/HSPA+

Modem IMEI

2

Modem Status

Ready

USIM Select

USIM 1 Running

Cellular ISP

"EE"

Cellular Network

"WCDMA"

USIM Status

Ready

CSQ

12 ( 38% )

IP Address

10.136.164.143

Subnet Mask

255.255.255.255

Gateway

10.64.64.64

DNS

10.4.0.240:53, 10.4.0.230:53

Connection Status

Connected

Connection Uptime

00:56:14

Main Card Lease Time

... ..

Back Card Lease Time

... ..

4. Navigate to 'WLAN' > 'Basic Settings' tab on the router webpage GUI.

5. Check the "Enable WLAN" box

6. Select Wireless Mode as 'Access Point'

7. Select Wireless Network Mode as 'Auto'

8. Provide the name of your chosen SSID

**NOTE:** This example uses 'router-WiFi-2024'

9. Check the "Broadcast SSID" box

10. Select Security Option as 'Disabled'

**NOTE:** This option should be configured for the network to provide enhanced security

Status

Basic Network

WLAN

Basic Settings

MultiSSID

Wireless Filter

Advanced Wireless

Wireless Survey

Advanced Network

Firewall

VPN Tunnel

Administration

Debugging

Logout

Router

Wireless (2.4 GHz / eth1)

Enable WLAN☒

MAC Address34:0A:08:10:20:24

Wireless ModeAccess Point

Wireless Network ModeAuto

SSIDrouter-wifi-2024

Broadcast SSID☒

Channel7 - 2.442 GHz 

Scan

Channel Width40 MHz

Control SidebandUpper

Security optionDisabled

Save

Cancel

## Configure the Siretta Router Captive Portal

1. Navigate to 'Advanced Network' > 'Captive Portal' tab
2. Check the "Enabled" box
3. Leave Auth Type as default value 'NONE'
4. Select WEB Root as 'Default'

**NOTE:** There are several options to choose between. Default presents an internal image to the user. Internal storage allows custom images to be used from the Router's internal memory and external storage allows custom images to be used from the Router's external removable flash memory. This example uses Default mode.

5. Leave WEB Host as default
6. Leave Portal Host as default
7. Leave Login Timeout as default value '0'
8. Leave Idle Timeout as default value '0'
9. Check 'Ignore LAN' to prevent the Captive portal from being displayed when devices are connected directly to the network via the LAN network.

**NOTE:** This example has this box checked

10. Change the 'Redirecting http://' to your chosen URL if you want to redirect the user to an external webpage

**NOTE:** This example will redirect users to [www.google.com](http://www.google.com)

11. The 'MAC Address Whitelist' setting allows you to specify MAC addresses of devices which you do not want to see the Captive Portal.


**NOTE:** This example do not use this feature

12. The 'Download QOS' setting allows you to set limits for the users downloads.

**NOTE:** There are a number of options including 'Total Download Bandwidth', 'Client Basic Bandwidth' and 'Client Max Bandwidth'

13. The 'Upload QOS' setting allows you to set limits for the users uploads.

**NOTE:** There are a number of options including 'Total Download Bandwidth', 'Client Basic Bandwidth' and 'Client Max Bandwidth'



www.siretta.co.uk

Cellular Router

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**Status**

**Basic Network**

**WLAN**

**Advanced Network**

Port Forwarding

Port Redirecting

DMZ

IP Passthrough

Triggered

**Captive Portal**

linkCONNECT

UPnP/NAT-PMP

Bandwidth Control

VRRP

Static DHCP

**Firewall**

**VPN Tunnel**

**Administration**

Debugging

**Logout**

## Captive Portal

Router

**Enabled** ☒

**Auth Type** NONE ▾

**WEB Root** Default ▾

**WEB Host**

**Portal Host**

**Login Timeout**  Minutes

**Idle Timeout**  Minutes

**Ignore LAN** ☒

**Redirecting http://**

**MAC Address Whitelist**

**Download QOS** ☐

**Upload QOS** ☐

Save

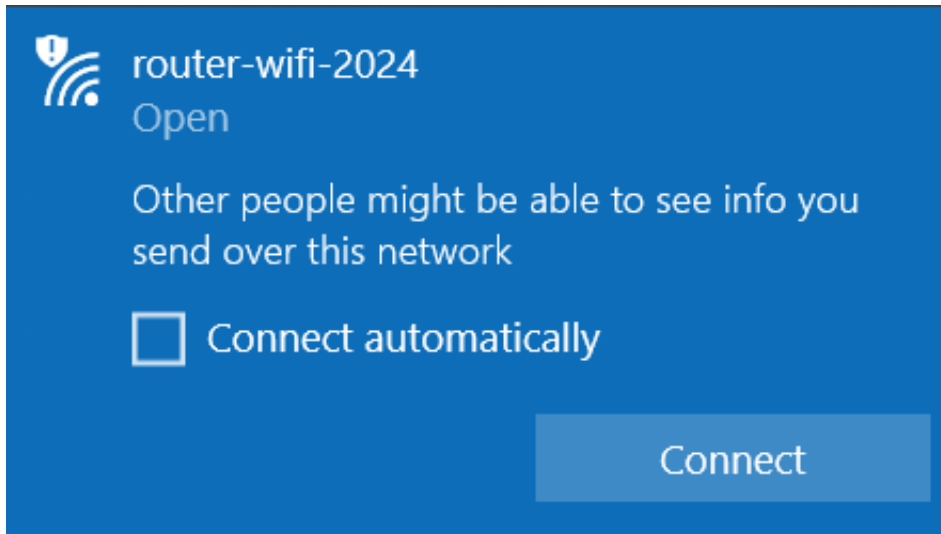
Cancel

14. Click 'Save' and wait for the Router to update.

15. The setup for "Captive Portal" is now complete

## Connecting to the Siretta Router Captive Portal

1. Any guest that wishes to connect to the Siretta Router Wi-Fi will access the SSID "router-wifi-2024".



2. The user will then be taken to the "Captive Portal" access page where they will be presented with sliding images.

### Welcome to Wi-Fi Hotspot



#### Welcome to our open community WiFi network!

You are solely responsible for any illegal activities once you click the "OK, I AGREE" button. We are not responsible for faulty operation of your computer or equipment. You may be asked to stop using your equipment. This banner will appear again periodically. Thank You, and Enjoy!

OK, I agree!

3. Once the user clicks the "OK, I agree" button, they will be redirected to the 'Redirecting http://' webpage.

**NOTE:** This example uses 'www.google.com' as the redirect URL

The full range of Siretta Industrial Router products can be found from the following link:

<https://www.siretta.com/router-selector-tool/>

Any queries please contact [support@siretta.com](mailto:support@siretta.com)