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# Wi-Fi

You can use a Wi-Fi connection to configure the device. By default, each device creates a closed access point. Access point access parameters (specified in the AP configuration)

SSID: VM03\_IMEI of device Password: DVR + Last 3 digits + 4th and 5th one of IMEI for example: IMEI 353464071592365 SSID: VM03\_353464071592365 password: DVR36546

## Wi-Fi and AP configuration

Figure 1 - Wi-Fi and AP configuration



Table 1 - Wi-Fi configuration parameter description

Parameter	Parameter description
Wi-Fi mode	select the mode of operation of the Wi-Fi module
AP	access point
Client	Connecting to an external access point
OFF	off
Hotspot SSID	The name of access point
Hotspot password	The password of access point

## Client configuration

The device can transmit data to the server using a Wi-Fi network in connection mode to the access point. If you have a Wi-Fi connection, the default gateway will be switched from GSM to Wi-Fi, and all information will go via Wi-Fi. When you disconnect the Wi-Fi access point, you will be reconnected to GSM. **ATTENTION! The connection to the access point should be set up after making sure that the signal level of the point is good.** You can check the signal level on the Wi-Fi networks monitor tab. SIGNAL QUALITY of the required network must be at least 20%. If the network is spaced, or its level is below 20%, the module will switch to AR mode

Figure 2 - Client configuration



Table 2 - Client configuration parameter description

Parameter	Parameter description
PR	Priority
SSID	Access point name
PWD	Access point password
NET	Connection status
Client management	Client configuration
Priority	Order of connection
SSID	Access point name
Password	Access point password

Parameter	Parameter description
Internet test	Test internet connection

Figure 3 – Wifi information

The screenshot shows a user interface for managing WiFi connections. At the top, there's a header "WiFi information" with a refresh icon. Below it, a section titled "Client information" displays the following table:

STAT	SSID	ADDR	MAC
ON	Hostspot	10.42.0.1	80:9f:9b:05:b7:b1

Below this is a button labeled "Update data".

Further down, there's a section titled "Scan WiFi" with a table:

SSID	SECUR	MAC
NVR_867648041547447	WPA1 WPA2	80:9F:9B:05:B7:81

Buttons for "Raw info" and "Scan WiFi" are located next to this table.

At the bottom, a "Raw info" box contains the following JSON data:

```
[{"wifis": [{"bssid": "80:9F:9B:05:B7:81", "ssid": "NVR_867648041547447", "channel": 1, "quality": -200, "dbm": "0", "security": "WPA1 WPA2", "securityFlags": "pair_tkip pair_ccmp group_tkip group_ccmp psk pair_tkip pair_ccmp group_tkip group_ccmp psk", "frequency": 2412, "connected": true}], "error": "none", "ts": "11:58:48 27.05.2021 +03:00", "id": "11:58:48:1622105928}]]
```

Table 3 – WiFi information parameter description

Parameter	Parameter description
STAT	The state of the client
SSID	Access point name
ADDR	Address of the client
MAC	Mac address of the client
Update data	Update network data
SSID	Access point name
SECUR	The type of Wi-Fi AP defense
MAC	Mac address of the Wi-Fi AP
Scan WiFi	Network Scanning
Raw info	Information about Wi-Fi AP

To set the default settings, click the **Default** button. To save settings in NVR click **Save settings** button.