



avior
IoT • REMOTE CONTROL

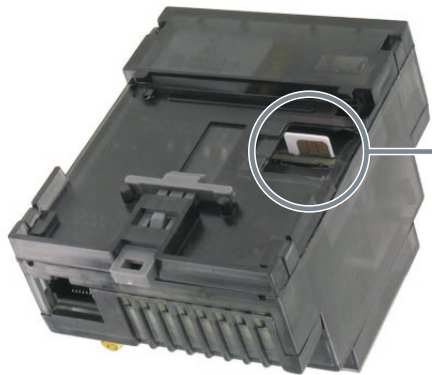
QUICK START GUIDE CONFIGURATION

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1

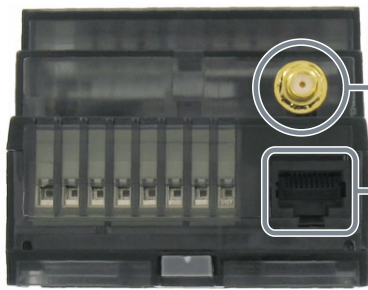
Here's what you'll need:

- 1 Avior device
- 1 Mobi.Link USB cable
- 1 SIM card
- 1 Personal Computer with USB port
- 1 Power supply unit (maybe)



If you have a 2G or 4G device insert a SIM card in the Avior base following the instructions in the user manual ...

... and connect an antenna to the SMA connector without over tightening. The antenna can also be screwed directly to the connector, make sure it has the characteristics required for the technology in use (2G / 4G).



Connect Avior to your PC using the adapter cable
2505.00.03 Mobi.Link USB

The device is powered directly from the USB port, but if your computer is not able to supply sufficient current you will also need to connect the external power supply.

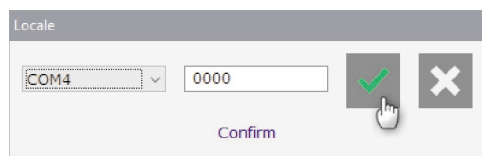
USB software drivers should install silently, if not you can download it here:
<https://www.ftdichip.com/Drivers/VCP.htm>



Download the configuration software
<https://www.contrive.mobi/E/aviorsuite.php>
Avior.Suite is a portable program.
No installation is required: extract the files to any local or remote location and run the Avior.Suite program.

Click on the USB icon to manage Avior directly connected to the PC. Select the COM port the device is connected to and enter the password (factory default **0000**).

Click ✓ to confirm and open the connection.



When you have set up either Wifi or the mobile APN details you will be able to configure and monitor your Avior remotely



To explore all the features of Avior.Suite
https://youtu.be/GXu_UL7edw4
in addition to this video in the Avior channel you will find other videos illustrating the device and its use.

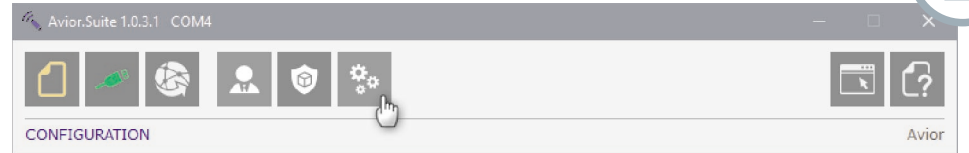


Pour toute assistance sur ce produit, vous pouvez contacter notre Help Desk à l'adresse:
<https://www.contrive.it/support/>
précisez où vous avez acheté le produit et décrivez votre problème de manière claire et concise..

Si la carte SD est installée dans l'appareil, vous avez également la possibilité de le configurer via un serveur Web embarqué

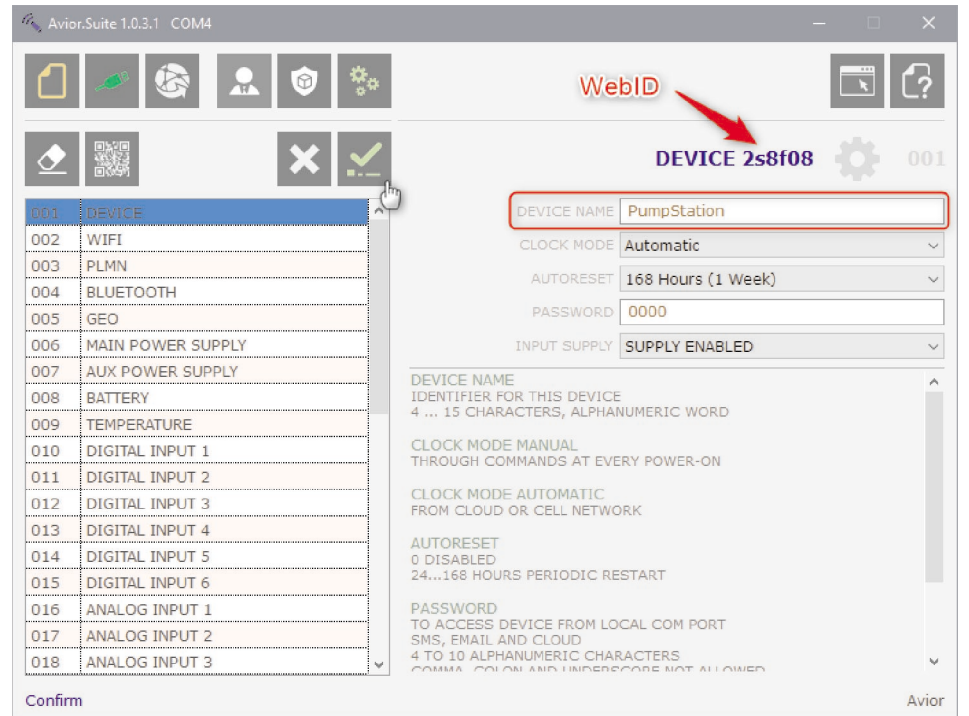
From the *Avior.Suite* toolbar, access the **CONFIGURATION** window

2



Let's start setting some essential parameters by selecting the first item from the list on the left **DEVICE** enter a name that identifies your application, in the example we will call our device **PumpStation**.

Click ✓ to confirm and save the change.

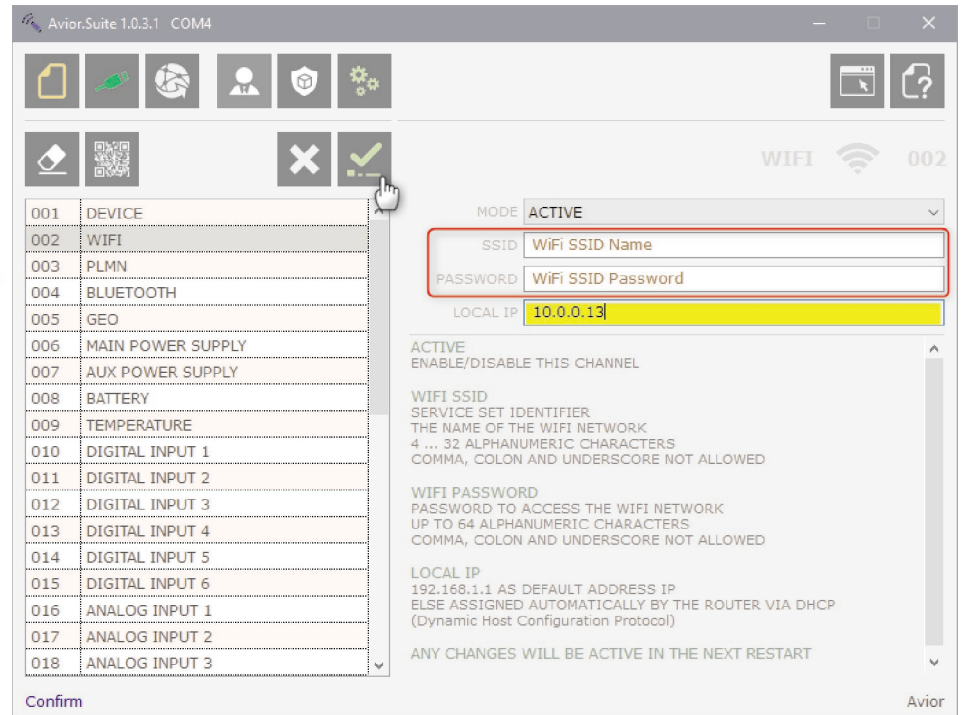


The default password to access the device is **0000**, if you decide to change it, write it down for any future access.

You may have noticed that after the title there is a code, it is a unique identifier assigned to the device: **WebID**. Write it down, later you will see how to access the cloud management portal.

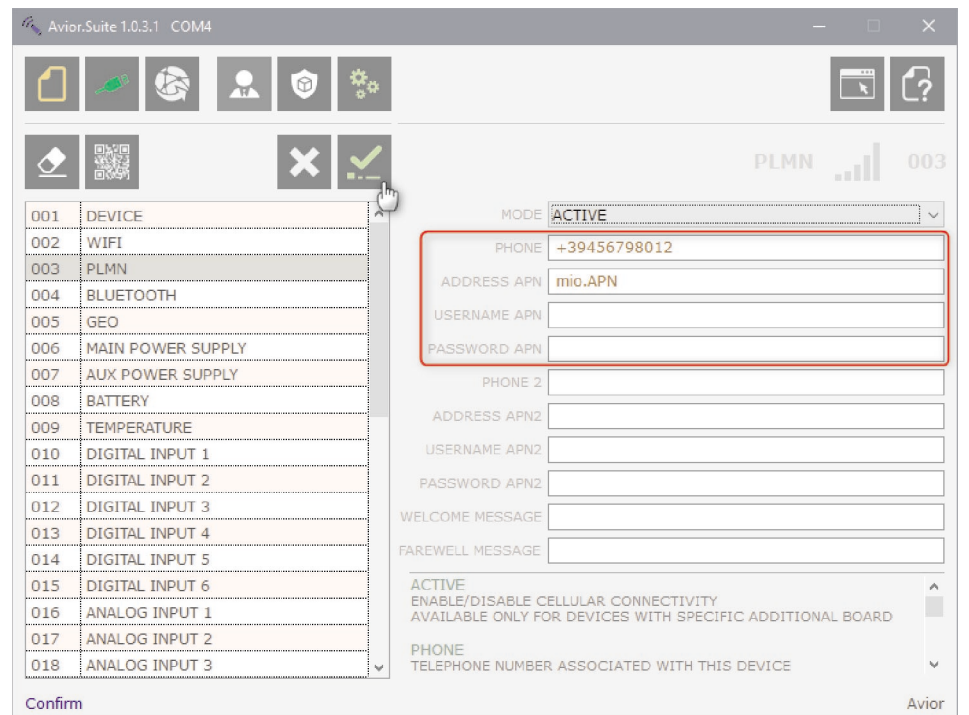
Now select the second item in the list **WIFI** and enter the **SSID** name and **PASSWORD**. After logging in, you will be able to see the **LOCAL IP**.

Click ✓ to confirm and save the change.



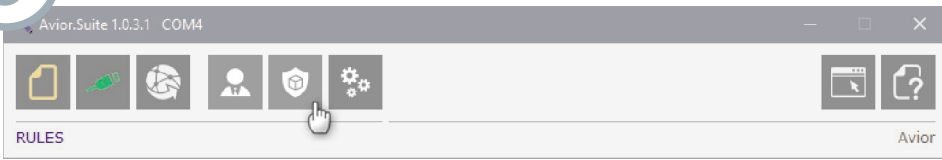
Now select the third item in the list **PLMN** for the settings relating to the cellular network of the SIM used: **PHONE** number in international format and **APN** (this information is provided by the telephone operator) if required, also enter **USERNAME** and **PASSWORD**.

Click ✓ to confirm and save the change.



3

From the *Avior.Suite* toolbar, access *RULES* window



The rules are the basis of how Avior works.

Let's start by assigning a *NOME* to the rule, in the example *PumpON*.

We then define which event will activate this rule, in the example we have *Digital input 1*, so any change in the condition of this input will lead to the execution of the rule.

Now we can specify the conditions for the execution of the rule, for example when the status of the *Digital input 1 = 1* (i.e. active).

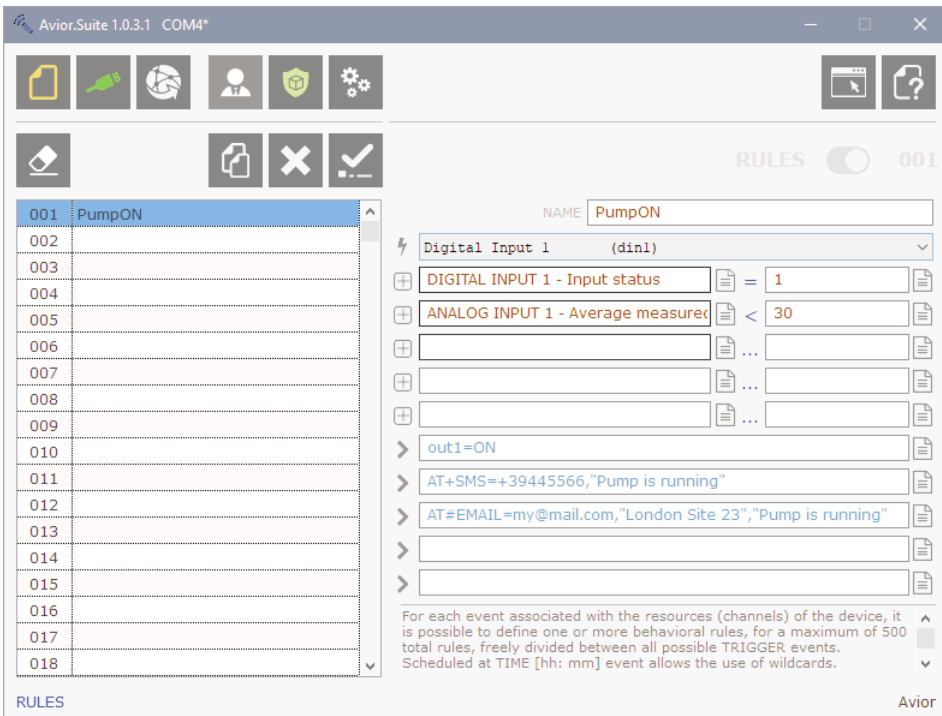
We can indicate additional conditions (up to 5), then we insert the check that the *Average measure Analog input 1 < 30*.

You may have noticed that the first operand can be chosen from a list while for the second operand you can choose from a list or enter a value.

The relationship between two operand (operator) can be chosen from a list.

Let's now move on to set one or more actions (up to 5), in the example the activation of output 1, the sending of an SMS and an email.

Click ✓ to confirm and save the change.



Therefore, when digital input 1 changes state becoming active AND the average value measured by analog input 2 is less than 30 (it could be a temperature sensor), Avior will activate output 1, send an SMS and an email to specified recipients with the specified content.

At the bottom of each window you will find detailed explanations of the possible settings. You can also watch some videos in the Avior channel.

5

As we have already seen at point 3, we insert a *RULE* that we will call *StartPump* choosing the activation event

SMS from user specifying in the conditions

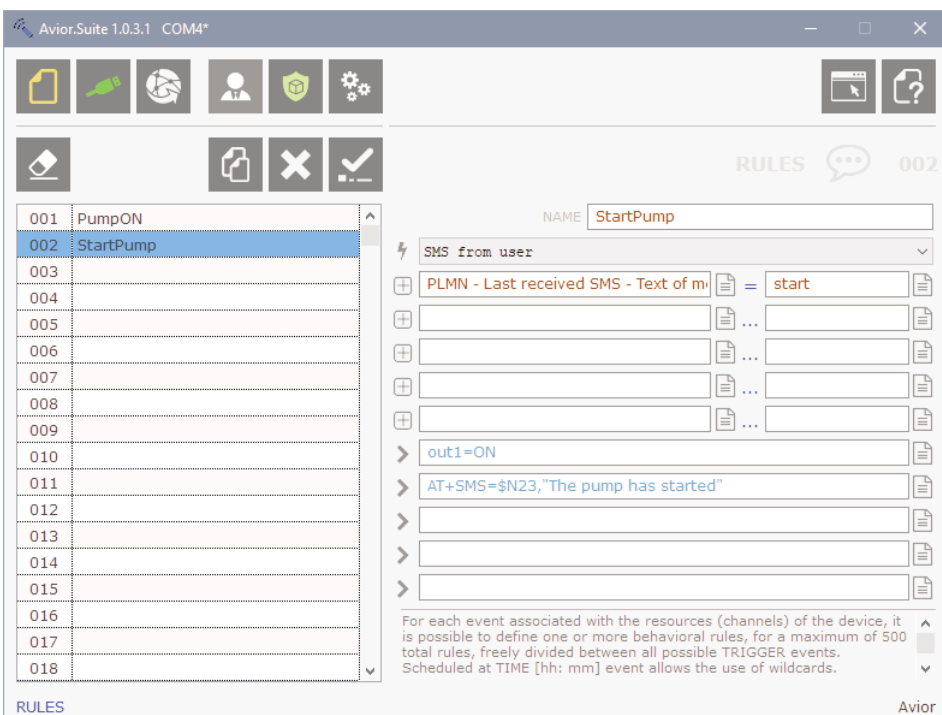
Last received SMS text = start (exactly and only the word *start*) or use the operator \supset instead of = to accept *start* within a sentence.

As a first action we will activate output 1 and then send an SMS with the text *The pump has started* but instead of directly entering the recipient's phone number we will use the *\$N23* tag.



All Avior parameters, whether they are settings, names or values, are associated with an identification tag that you can use in the composition of the rules by reporting it preceded by the \$ symbol. N23 corresponds to the last SMS sender. Here you can find the list of all tags:

<https://www.contrive.mobi/avior/en/MAP.html>



4

From the *Avior.Suite* toolbar, access the *USERS* window



Avior recognizes a user by his identifier, which can be a telephone number, an email address or a numeric code.

In defining the rules you can distinguish an unknown user from a registered user and for the latter, distinguish between an active or inactive user (i.e. outside its validity period).

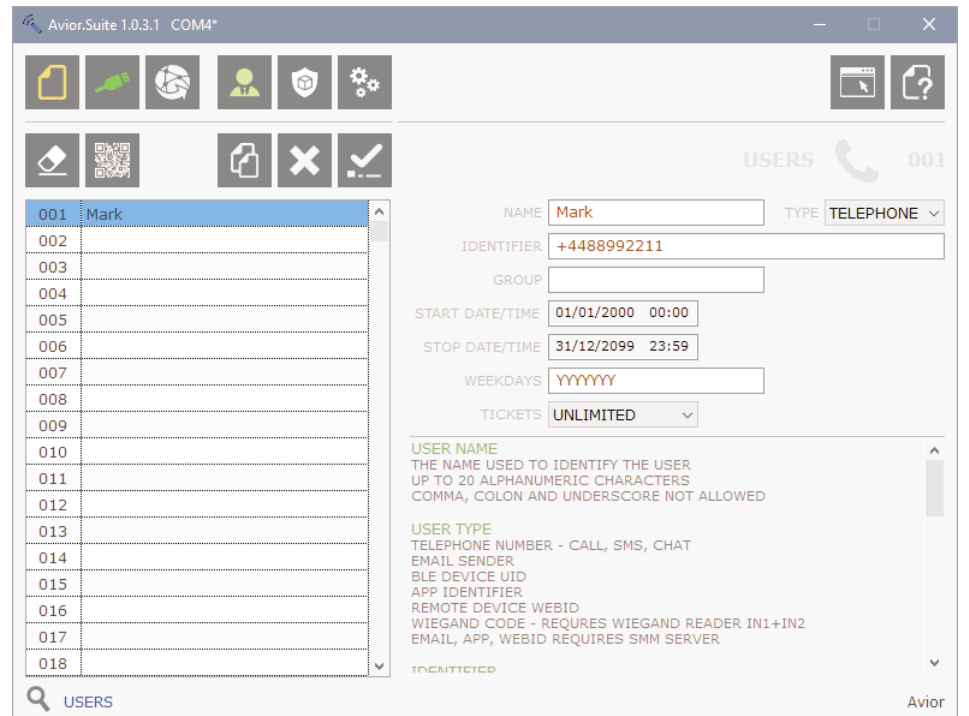
We now insert a user specifying the *NAME* and selecting the *TYPE* in this case *TELEPHONE*. As *IDENTIFIER* we will enter the telephone number in international format.

You can also assign this user to a *GROUP*.

Define the activation and end date and the days of the week on which it will be enabled. You may also want to enter a maximum number of *TICKETS* (operations he can perform) which will be scaled for each use.

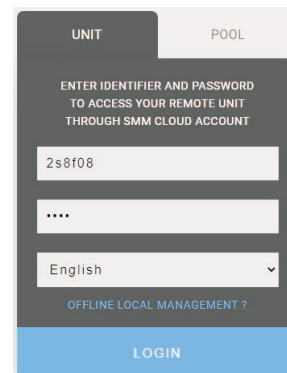
At the bottom of each window you will find detailed explanations of the possible settings. You can also watch some videos in the Avior channel.

Click ✓ to confirm and save the change.



6

If your Avior is connected to the internet via a WiFi or cellular connection, you can access the cloud management portal.



<https://avior.webadmin.mobi>

Enter WebID and password that we saw at point 2. If you don't remember WebID, you can request it by sending an SMS message to Avior:

0000 at#rm=D13

If you have changed the preset password, replace 0000 with the one you defined.

You may have guessed that D13 is the tag that identifies WebID and with this SMS you are asking to read this position in the device MAP.

If everything is correct and you have sufficient credit, you will receive an SMS in response containing the required identification.

From the cloud portal you will be able to see the status of your device and change the configuration as you did with Avior.Suite.

Remember that the status refers to the time of the last connection and that the changes will be waiting to be sent as soon as the device connects to the network.

