AUTOMATISMOS Y SISTEMAS DE TRANSPORTE INTERNO S.A.U.
Autovía A-1 km 213,5 Polígono industrial
09390 Madrigalejo del Monte (Burgos)
+34 902 120 523 / +34 947 177 210
+34 610 50 00 50
www.asti.es
asti@asti.es
947 177 212
C.I.F. A-09035023

ACKSYS RADIO INSTALLATION

PROCEDURE

Empresa:	ASTI S.A.U.
Autor:	SCO
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1. DOCUMENT HISTORY

Rev.	Fecha	Realizado	Revisado	Descripción
1.0	07.02.18	SCO		First Version

2. CONTENT

3. INTRODUCTION

The main purpose of this document is describe how configure the ACKSYS radio device

4. ACKSYS RADIO CONFIGURACION

In this section is explained how to configure the acksys radio for working in PSA network. The faster method is charging a default configuration file. This file is provided with this document.

The first step is disconnect the ethernet cable in the Datalogger side and plugged it in your PC.

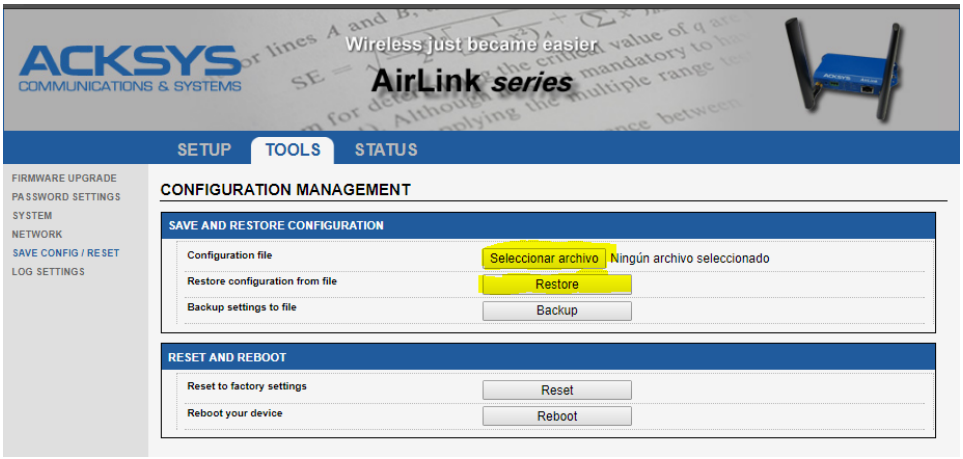
After that, you have to access in your browser to the IP configured by default in the radio device, in this case 192.168.3.100 (you must have configured an IP in this range in your PC).

The default screen of the radio device must appear. Then, we are able to upload the default configuration file. For do that you have to go the “TOOLS” menú.

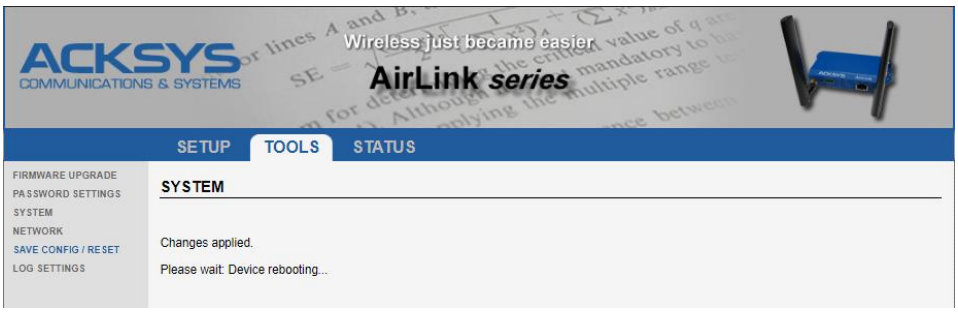
It requires user and password (username: ‘*root’* and password must be empty). Click in “*Login*” button.

The next menu will appear, and you have to select the option “SAVE CONFIG /RESET”

In this screen, we are able to select the default configuration file (provided with this document) clicking in the option “Seleccionar archivo”. After that you must click on “Restore” for charging this configuration

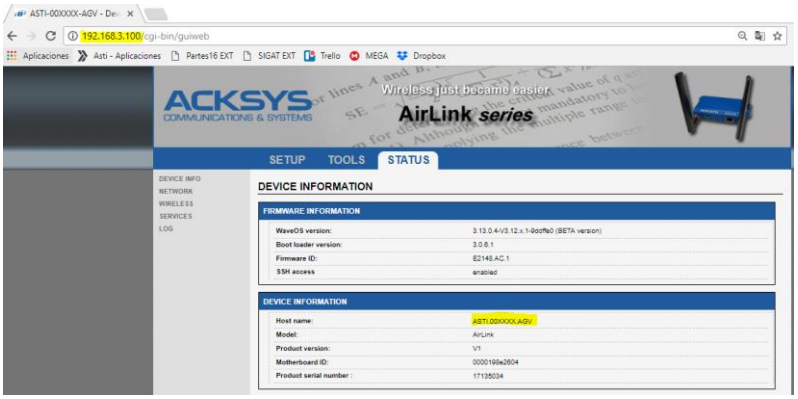


The next message will appear



By pressing this button we are applying the changes and resetting the device. We will see that a red LED will light up on the radio device. When it changes back to green, the reset will be completed and the settings indicated in the configuration file will be applied.

After that we have to Access again to the web configuration of the radio (192.168.3.100)



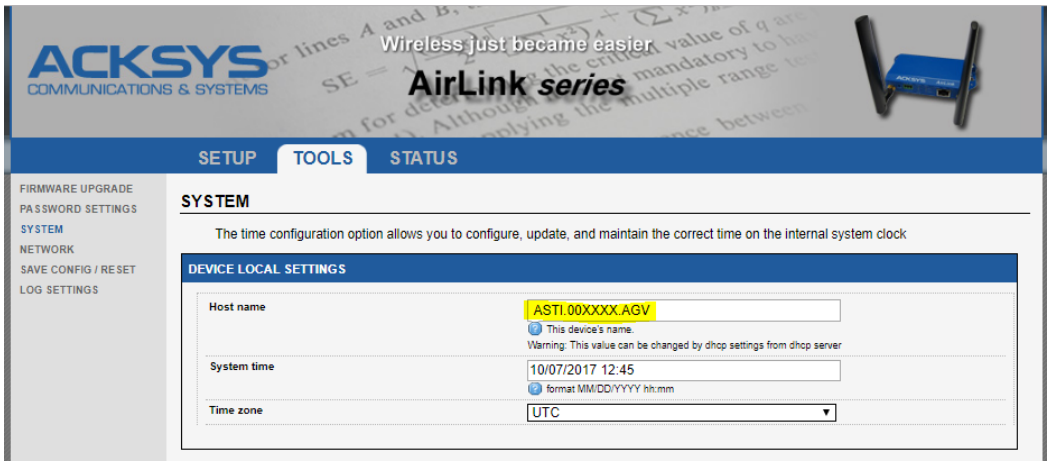
We can determine that the configuration file has been loaded correctly if the hostname is now "ASTI.00XXXX.AGV".

The last step is to change this hostname by the name of the AGV. To do this, let's go back to the "TOOLS" menú

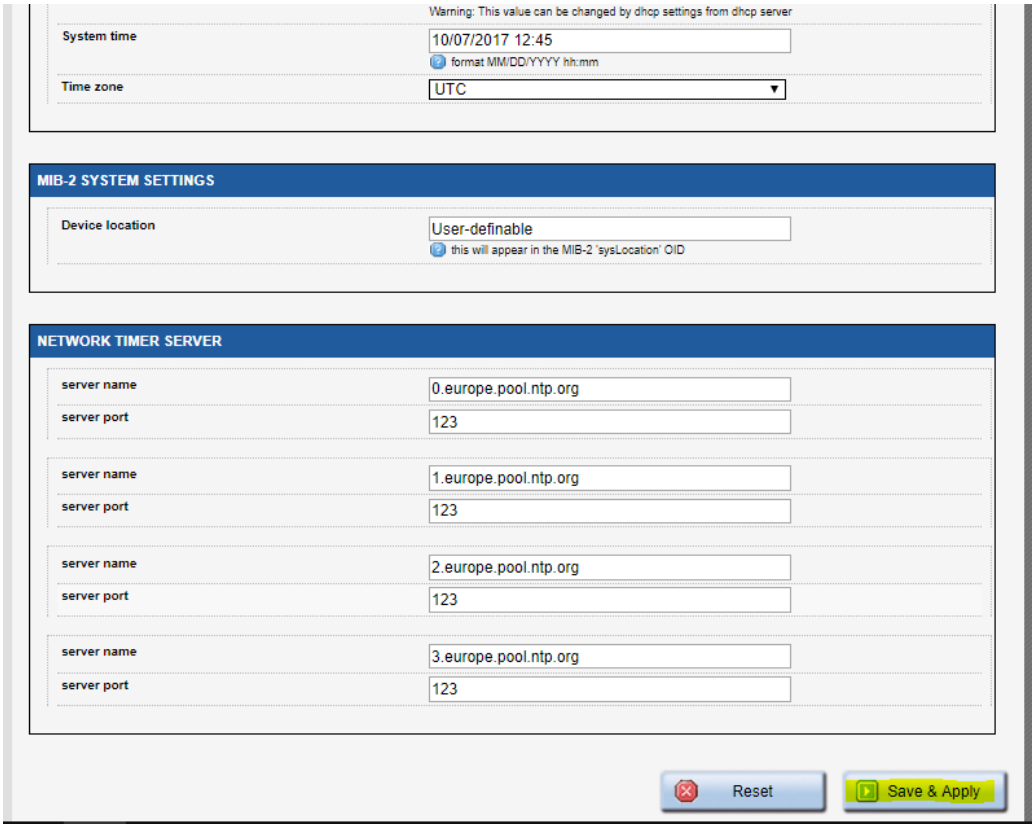
It requires again user and password (username: '*root'* and password must be empty). Click in "*Login*" button.

In this case we have to Access to "*SYSTEM*" menu

In this section we can edit the hostname



For finish we have to click on "*Save & Apply" for save the changes*



4.1. Check configuration applied

After upload the default configuration file we have to check if the correct settings are applied.

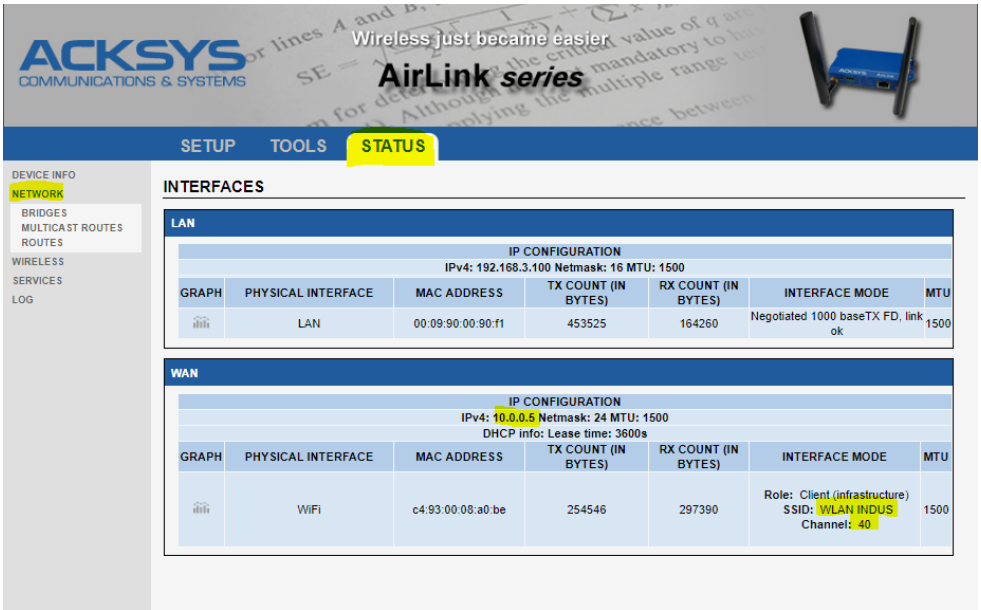
1. **In the physical device**

   If the radio has been correctly configured and has been connected to the PSA network, we can see that a blue LED will flash on the radio device.

2. **In the radio webpage**

   If we select the option “network” in the “status” menu we can see:

   - The SSID of the network
   - The channel of the AP where the radio is connected
   - The IP assigned to de radio device **(remeber this IP for the next step)**



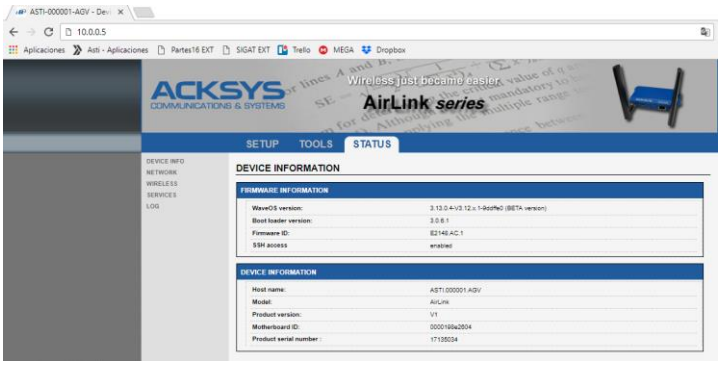
4.2. Check radio connetion

Once we have verified that the configuration has been applied correctly, we unplugged the ethernet cable from our PC and connect it again in the datalogger.

Then we have to connect our PC to the PSA network “WLAN INDUS” (Remember that is a hidden network)

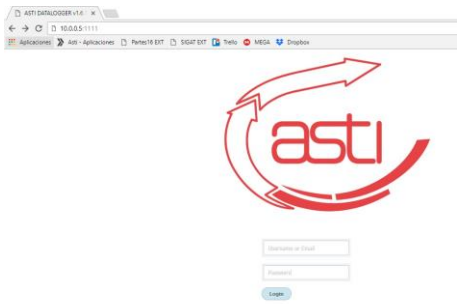
Once connected to the network, we open the browser and enter the IP that we should remember from the previous step.

We must be able to see the website of the radio, this way we make sure that the radio is correctly connected to the PSA network



Now to make sure that the datalogger is correctly connected to the radio, we must enter the same IP but with port 800, that is:

IP.IP.IP.IP:800



In this way we should be able to access the datalogger's website.