**0) Generally the SETUP manual is pretty good**

[**https://www.anybus.com/docs/librariesprovider7/default-document-library/manuals-design-guides/hms-scm-1202-008.pdf?sfvrsn=c2c9bfd6\_12**](https://www.anybus.com/docs/librariesprovider7/default-document-library/manuals-design-guides/hms-scm-1202-008.pdf?sfvrsn=c2c9bfd6_12)

**This notes below just lists some “quirks” – it is not a complete setup document**

**1) AOP add-on profile**

first issue was AOP – add-on profile – is a bit like an EDS file or GSD file – explains to Logix how to work with a given module

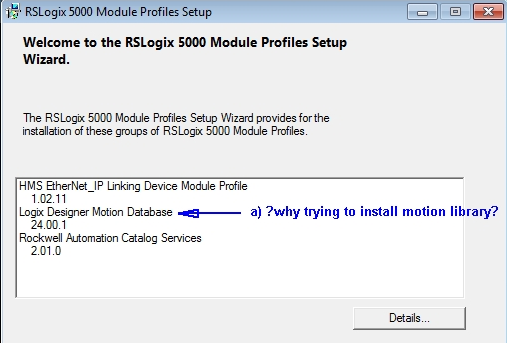
My version of Studio5000 already had support for HMS so I did not need to add the AOP at all.

I didn’t know this, and botched the install of the AOP

Couldn’t correct, and had to uninstall/reinstall Logix

On another user’s (Waqar’s) version of Studio did not have support for HMS so I did need to install the AOP

The AOP install package has some components that might be old. For example, it appears to have a motion database component. This component was older than what I already had.



We found the AOP installer is smart enough to not to install an old component over a new one. So not to worry so much.

I found there are three versions of the AOP

1.0**1.27** – found on the Rockwell website

1.02.**11 –** on the HMS website

**1.02.12 –** the one that came with my Studio

There is another macro document that explains this issue at length

**2) Setting IP address on the Gateway – Ethernet/IP side**

The gateway has two “sides” – the Ethernet/IP side – and the Modbus TCP side

The Ethernet/IP side is X1 – two ports X1.1 and X1.2 – on the front

The Modbus TCP side is X2 – similarly two ports X2.1 and X2.2 – on the bottom

Out of the box, the gateway is set to DHCP – where it looks for another device to assign it an IP address.

So we need to use BOOTP to assign an address

On the side of the unit, it shows “MAC X2” – but the number shown **is really for X1** – the Ethernet/IP side

It’s a typographic error on the unit.

Anyways I used BOOTP to set the Ethernet/IP side address, and also turned off DHCP

**3) Configuring the unit**

Configuration is done from inside Studio 5000.

Click on the HMS object in the IO tree as normal.

Slight trick – you must be offline with the PLC itself

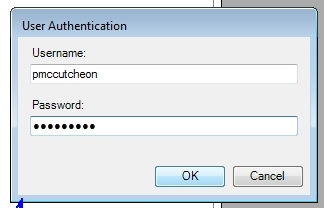
BUT you **must** be able **to get a network connection to the gateway** itself

Ie you have to be able to PING the gateway

Should probably also check that RSLINX is running, and that it can “see” the gateway

I was confused by the statement “be offline with the PLC” – thought I did not need a connection to the gateway

Also the error message you get is very unclear – I got USER AUTHENTICATION.



Analogy – if you think about Allen-Bradley IO, there are certain things you cannot setup offline – you have to be communicating with the device to set

**Re-phrase: you must have a network connection to the gateway to configure!**

If you look in the HMS manual

section 3.1 step 3 page 21; – they briefly mention setting the IP address

At step 6 – the “webpage” will not come up unless you can communicate with unit!

Once connected to unit, setup is pretty straightforward

I would re-write Step3 in manual:

Step 3A)

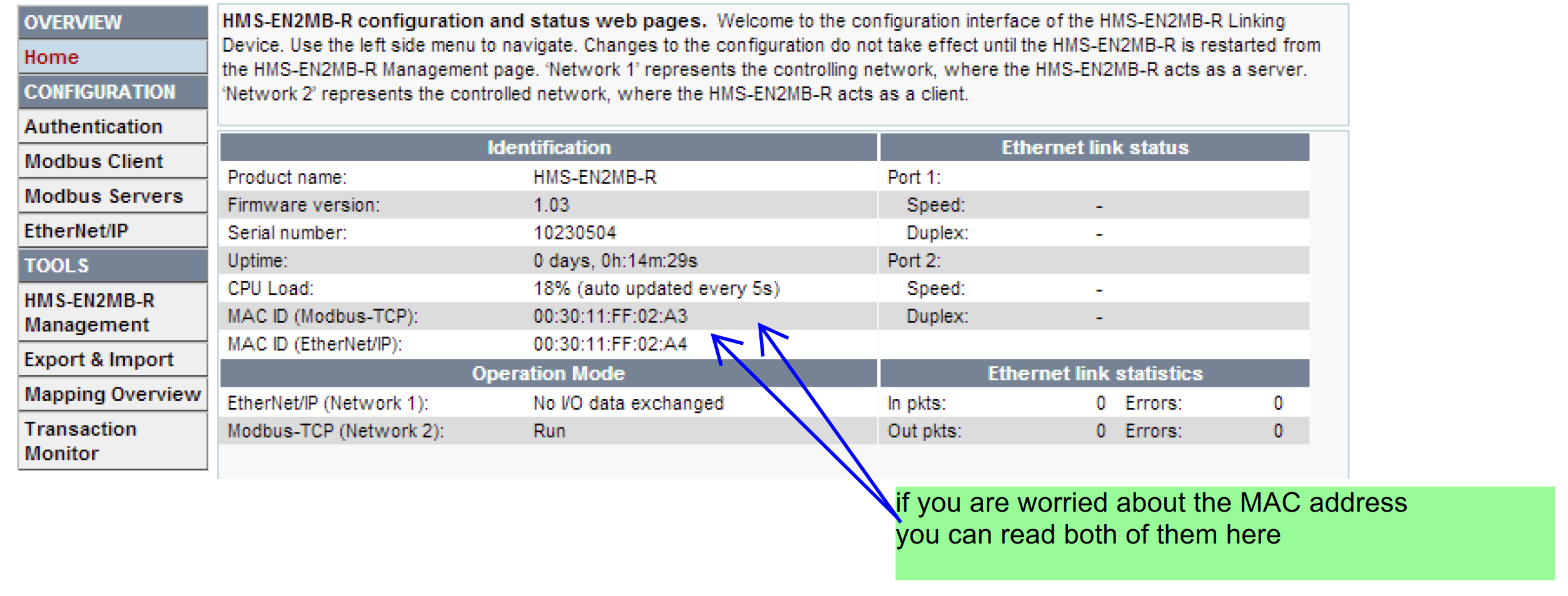
use BOOTP to set the IP address for the Ethernet/IP side of the GatewayI would also disable DHCP once this is done, also using BOOTPNOTE! the MAC shown on the side of the unit says "X2" but is for X1 -- ie it is for the ethernet/ip side3B) Make sure the unit can PING3C) Make sure RSLINX can "see" the unit

!! You must have a network connection to the Gateway to do the config!3D) Back in logix, set the IP address as they show in step 3

**4) Setting the IP address on the Gateway – Modbus TCP side**

Since only one MAC address is printed on the side of the unit, you need to get the “other” MAC address for the MODBUS side somehow.

Turns out it is shown on the “home” page of the unit

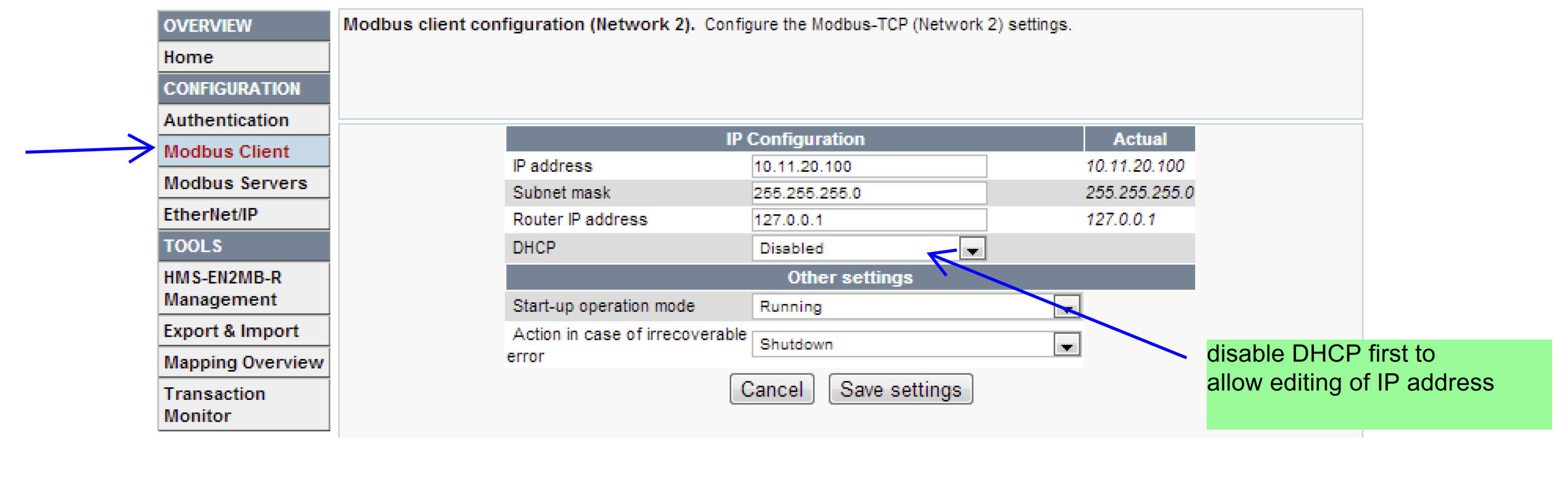


The IP address can be set easily from the config.

See 7.3.2 in User manual

Only slight issue is that to set the address, you have to turn off DHCP first

(otherwise won’t let you edit the address)

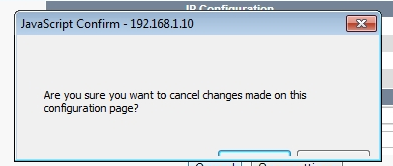


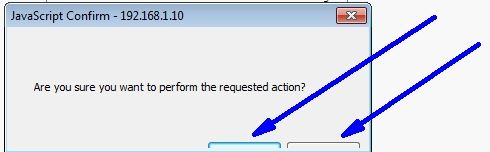
**5) Malformed Dialog boxes**

I found some of the dialog boxes to be badly scaled, couldn’t see the buttons.

I think the LEFT button is the OK or ACCEPT

RIGHT button is the CANCEL





6) One Dialog box not matching the user manual

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