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Configure your own MOXA modem

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INTRODUCTION

This procedure applies if you have an existing/older MOXA modem you want to install in your Aeroqual monitor. In this situation, you need to upload the correct firmware and Aeroqual Cloud configuration settings onto the modem before <u>connecting it to the monitor</u>.

If you are using the MOXA G3111 HSPA supplied by Aeroqual, you don't need to do this procedure and can <u>go straight here</u>.

Step 1 — Open modem interface

Local Area Connection Properties		9.0.0			
Networking Sharing	General	PV4) Properties			
Connect using:			and the second se		
Realtek PCIe GBE Family Controller	You can get IP settings assigned this capability. Otherwise, you ne for the appropriate IP settings.	automatically if your network supp eed to ask your network administra	tor	101	
This connection uses the following items:	Obtain an IP address autom	atically	100		
Client for Microsoft Networks	 Use the following IP address IP address: 	192 . 168 . 127 . 100	10.0		
 QoS Packet Scheduler File and Printer Sharing for Microsoft Network 	Subnet mask:	255 . 255 . 255 . 0			
 Internet Protocol Version 6 (TCP/IPv6) Internet Protocol Version 4 (TCP/IPv4) 	Default gateway:				
 Link-Layer Topology Discovery Mapper I Link-Layer Topology Discovery Respond 	 Obtain DNS server address Ouse the following DNS server 	automatically r addresses:	24		
Install Uninstall	Preferred DNS server:		1.		
Description Transmission Control Protocol/Internet Protocol	Alternate DNS server:		And in case of the local division of the loc		
wide area network protocol that provides comm across diverse interconnected networks.	Validate settings upon exit	Advance			
ОК		ОК С	ance		

- Connect the modem to your PC using an ethernet cable.
- Open up your internet browser and enter 192.168.127.254 in the address bar. This is the local IP of the modem.
- If the MOXA configuration interface doesn't appear, make sure the IP address is set to 192.168.127.XXX.
- If you still can't connect to the modem using 192.168.127.254, the default IP address of the modem might have been changed. In this case, reset the modem to its factory default settings by pressing the small reset button next to the ethernet port. You can do this with the modem powered. The modem will beep and restart.

Step 2 — Check firmware

Main Menu Overview Basic Settings Serial Port Settings System Management System Monitoring Save Configuration Restart	Welcome to OnCell G3111 Model name Serial No. Firmware version WAN IP address Ethernet IP address Ethernet AMS peed Cellular signal level Cellular signal RSS1 Cellular IME1 Up time Serial port 1	OnCell G3111 0209 1.5 Build 13091318 N/A 192.168.127.254 00:90:E8:4E:4E:73 100M/Unk 0 0 N/A 351535053853628 0 days 03h:39m:06s 115200,None,8,1,RS-232
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- When you can access the MOXA configuration interface, check the Firmware version on the overview screen.
- If the firmware is 1.5, do nothing! You have the correct firmware version.

Step 3 — Upload firmware

	Firmware Upgrade				
Basic Settings	!!! Warning !!!				
🗉 🧰 Network Settings	Warn: System will restart after upgrade. Beware that all un-saved c				
 Serial Port Settings System Management 	Select firmware file Choose File	No f			
Auto Warning Settings Maintenance Console Settings Ping Manual SMS Firmware Upgrade Configuration Import	Submit				

- If the modem's firmware version is earlier or later than 1.5:
 - Contact <u>Technical Support</u> and ask for the following file: ocg3001_1.5_Build_13091318.ro m.
 - Once you have the file, save it to your local drive.
 - Go to the Firmware Upgrade screen (Main Menu > System Management > Maintenance).
 - Browse to the file and click **Submit**.
 - Check the overview screen now shows the firmware version 1.5.
- Firmware version 1.6 and above will not work and must be changed to 1.5.

Step 4 — Upload configuration settings



- Download one of these files:
 - Configuration file for MOXA G3111.
 - Configuration file for MOXA G3111 HSPA.

(i) You can tell which model you have by examining the front of the modem.

- Go to the Configuration Import screen (Main Menu > System Management > Maintenance) and browse to the file.
- Check Import all configurations including IP, Cellular, and DNS settings.
- Click Submit.
- Click Save and restart.

Step 5 — Go to next procedure



 Go to the next procedure to complete the preparation and installation of your MOXA modem.

For further support, contact <u>Technical Support</u>.