



7275 AES-Network Management System (NMS) Quick Start Guide

1.0 System Components

Unpack all package contents and inspect each component. Make sure all parts and are present. The NMS includes the following:

<u>QTY</u>	<u>Description</u>
1	NMS server
1	NMS server power cable
2	Rack-mount ears for NMS server
4	Rack-mount screws (large)
4	Drive mounting screws (small)
1	Ethernet cable

2.0 NMS Software and Hardware Requirements

In addition to the contents of the NMS package, the following are needed for set up and operation:

- Client PC for accessing NMS Dashboard and Google Earth
- Google Earth application
- Internet access for Google Earth
- Network Access for NMS Dashboard
- Internet Browser such as Internet Explorer 10 or newer, Firefox, Chrome etc.
- Uninterrupted Power Supply
- MultiNet must have version 467 or later installed. When connected to a MN 467, NetCon faults will not be shown
- UDP 1194, 1195 must be open for AES VPN
- TCP 587 must be open for Mail server
- TCP 80 must be open for Geocode and Google Earth

3.0 Installation Preparation

To reduce installation time, collect the following configuration information prior to starting to install.

NMS Server

Take a note of the NMS factory default addresses below. These will be needed when connecting with the NMS Server for the first time:

- Default IP: 192.168.1.254
- Default NM: 255.255.255.0
- Default GW: 192.168.1.1

The following information will be required for setting up the NMS Server with your preferred settings.

- Private IP address
- Subnet Mask
- Default Gateway
- DNS Server 1
- DNS Server 2 (optional)
- Public IP address (optional)

MultiNet Receiver

Only one *MultiNet* Receiver can be monitored at a time. Identify which *MultiNet* (usually the Primary *MultiNet*) is to be monitored by the NMS and collect the information below.

- *MultiNet* receiver IP address
- *MultiNet* receiver password

4.0 Connect and Power up NMS Server

1. Connect the power cord to NMS and plug into an outlet, NMS server will power up right away
2. Connect NMS Server (Ethernet port labeled 1) to an IP network or PC where it can be reached with the factory IP address (192.168.1.254) for configuration purposes

5.0 Access the Administrator Dashboard

1. Open a web browser on a PC on the same network as NMS server
2. Enter the default IP address: *https://192.168.1.254* in the browser URL
3. This will open the Administrator log on Window
4. Login as administrator – type “admin” in Business Unit and use the password “admin”

Enter **admin**
Enter **admin**

NOTE: Password can be changed later

6.0 Enter Contact Information

1. Click on **Maintenance**
2. Then **Contact**
3. Enter contact information
4. Click **Save**

Enter **Contact**
information

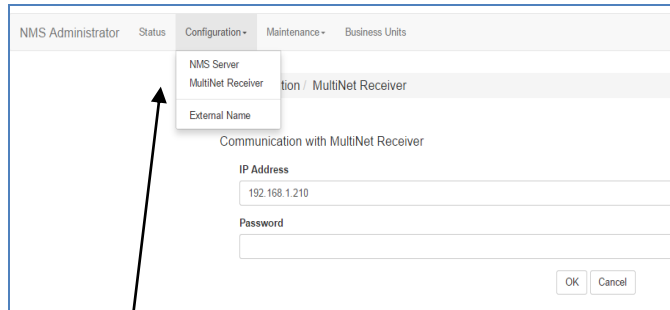
7.0 Configure the NMS Server IP settings

1. In the *Administrator Dashboard* click on **Configuration>NMS Server** to change the NMS IP settings
2. Change the NMS IP settings to the preferred network settings - on the same network as *MultiNet* receiver
3. Click **OK**
4. Power down the NMS server by pushing and releasing the power button. The NMS will power down within 10 seconds.

NMS Server IP Settings

8.0 Enter MultiNet Receiver Parameters

1. Disconnect NMS sever from the initial network (or PC) if not the same IP network as the *MultiNet* receiver.
2. Move the server to the permanent rack location - use the rack mount brackets included
3. Connect server to same IP network as *MultiNet* receiver (Ethernet port labeled 1)
4. Access the *Admin Dashboard* – enter *https://new NMS IP address* – and log in as before as administrator – see Section 5.0
5. Click on **Configuration>MultiNet Receiver**
6. Enter the *MultiNet* receiver IP Address and password
7. Click **OK** and NMS will restart and begin communication with *MultiNet*



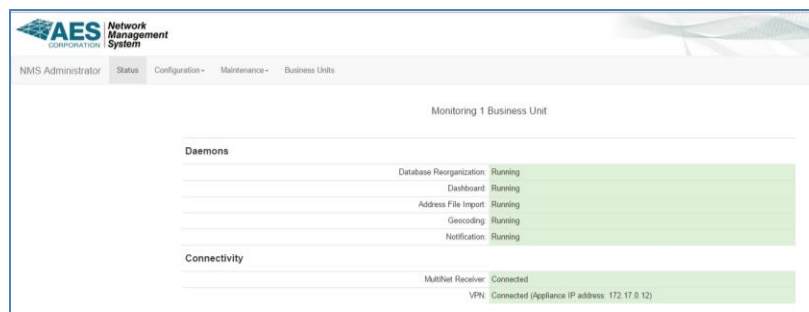
MultiNet Receiver Parameters

Click **Configuration>MultiNet Receiver**

9.0 Verify that the NMS is communicating with the *MultiNet* receiver

1. After the NMS server restarts, access the *Administrator Dashboard* by entering the new IP address -*https://new NMS IP address*.
2. Within a few minutes, verify that you see the number of Business Units monitored at the top of the *Status screen*. The number might change as information is retrieved from *MultiNet*. This could take between 15 minutes and a few hours depending upon the size of the database.

Note that *MultiNet* operation is never affected in any way by the operation of NMS.



Administrator Dashboard Status screen – Verify number of Business Units monitored.

10.0 Conclusion

The Network Management System is now ready for operation. For additional information and operational instructions see the AES Network Management System User Manual (p/n 40-7275). Go to the AES tech support portal at <http://www.aes-intellinet.com/contact-us/technical-support/>