OMNTEC
Advanced Tank Monitoring & Leak Detection

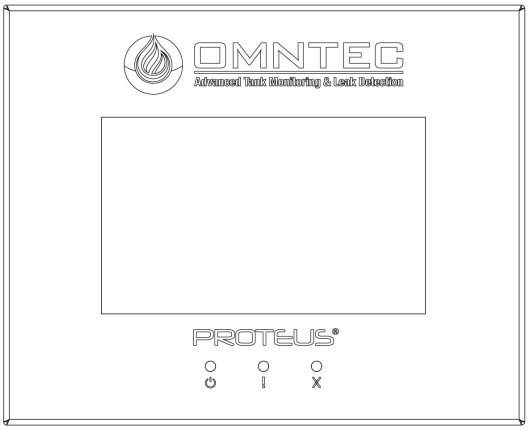
1. Open the camera app
2. Focus the camera on the QR code by gently tapping the code
3. Follow the instructions on the screen to view PDF file

PROTEUS® Mini-Me™

MMRD7 | MMRD7-SS Series

WITH TANK ACTIVE GATEWAY (TAG) SOFTWARE

QUICK-START GUIDE



PROTEUS® Series

UNIVERSAL REMOTE DISPLAY

Revision 1.1

Document No. DOC00013

OMNTEC Mfg., Inc. has been certified by DQS Inc. to ISO 9001:2015

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TABLE OF CONTENTS

1. ENTERING SETUP 3

2. CONFIGURING THE MINI-ME/TAG ETHERNET NETWORK INTERFACE 4

3. ESTABLISHING COMMUNICATION WITH AN ATG 5

4. ENABLING THE TANKACTIVE GATEWAY (TAG) FEATURE 6

PLEASE NOTE: OMNTEC highly recommends you perform a software update on the MMRD7 upon installation.

There are several options for performing a system software update. The most straight-forward method is to update the MMRD7 directly from OMNTEC's update website. To use this method, the MMRD7 needs to be installed on a network that allows outbound access to the Internet.

To run a software update, from the SYSTEM STATUS MENU click on HELP MENU > SETUP. You are prompted to enter the password. Depending on the date of production for your MMRD7, the factory-default password is either the SERIAL NO. in the bottom-right of the HELP MENU for newer units, or six zeros (000000) for older units.

From the SYSTEM SETUP menu, click on SOFTWARE UPDATE. If the MMRD7 has been installed on a network that can access the Internet, simply click on UPDATE FROM OMNTEC SITE. This will download and perform the latest software update. The SOFTWARE UPDATE RESULTS field, on the right-hand side of the screen, will show the progress of the update. Please allow time for the process to complete, which is indicated by the message *REBOOTING SYSTEM TO ACTIVATE RELEASE*, after which the system will restart.

For more details on performing a software update on an MMRD7, please refer to the *MMRD7 SYSTEM PROGRAMMING MANUAL* document (DOC00011) , found at www.omntec.com/support/documents.

1. ENTERING SETUP

From the SYSTEM STATUS MENU, click on the HELP MENU icon.
(See Figure 1.1)

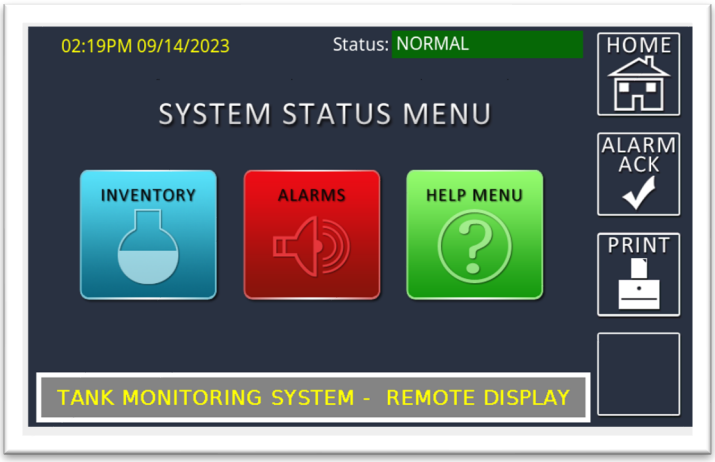


Figure 1.1

On the HELP MENU screen, press SETUP.
(See Figure 1.2)

You are prompted to enter a password. Depending on the date of the manufacture of your unit, the factory-default password is either **000000** (six zeros), or the SERIAL NO. in the bottom-right (red rectangle) of the HELP MENU.

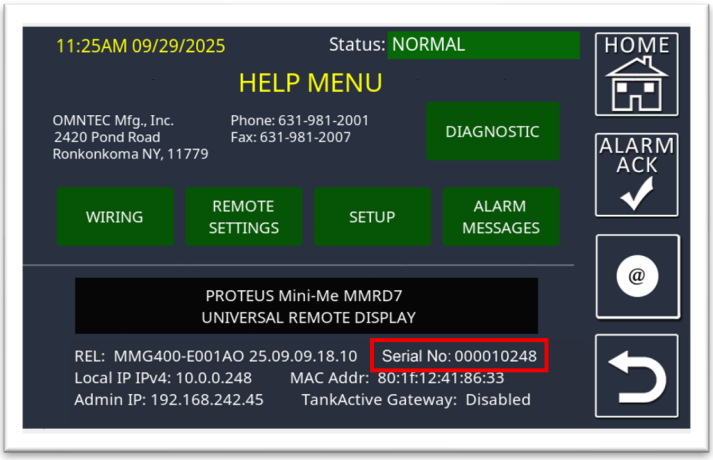


Figure 1.2

2. CONFIGURING THE MINI-ME/TAG ETHERNET NETWORK INTERFACE

If the Mini-Me/TAG will communicate with an ATG using its Ethernet interface, and/or it will connect to the OMNTEC TankActive cloud service, and/or it is accessed using its Ethernet interface for any other reason, you need to configure the network settings:

Once inside the SYSTEM SETUP, displayed is the menu with its different settings and functionality buttons. (See Figure 2.1)

Press on the COMMUNICATION & NETWORK icon. Then press on the NETWORK & VPN SETUP in the upper right of that page.

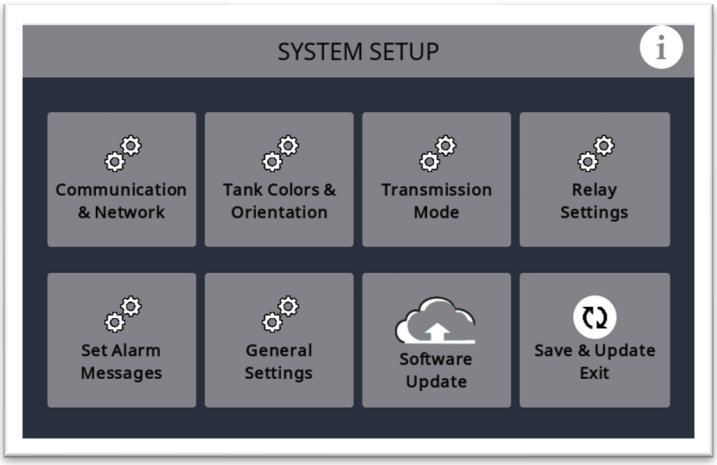


Figure 2.1

This screen is used to set up either static or dynamic (DHCP) IP and other relevant networking properties. (See Figure 2.2)

- If you are using a DHCP service, then select the OBTAIN AN IP ADDRESS AUTOMATICALLY (DHCP) checkbox.

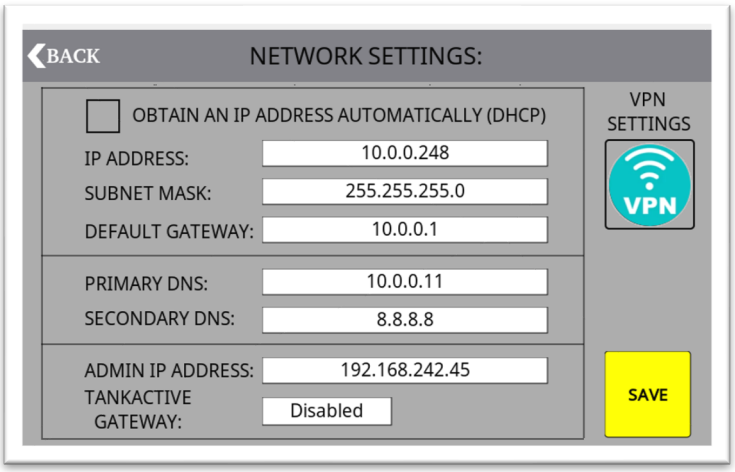


Figure 2.2

- If you are manually assigning network settings, then uncheck the OBTAIN AN IP ADDRESS AUTOMATICALLY checkbox and fill out the fields for IP ADDRESS, SUBNET MASK, DEFAULT GATEWAY, etc.
- Press the SAVE button to save settings, then SAVE AND UPDATE EXIT to apply the new settings. Please note; the system will reboot.

3. ESTABLISHING COMMUNICATION WITH AN ATG

1) Communicating with the ATG using the **ETHERNET** interface:
   a) The Mini-Me/TAG must be connected to a network that allows it to access the ATG's ethernet interface (or it must be directly connected to the ATG using an ethernet cable between the MM and the ATG).
   b) You need to know the IP address of the ATG **(THE ATG SHOULD HAVE AN IP ADDRESS THAT REMAINS CONSTANT SO THAT THE MINI-ME CAN CONSISTENTLY REACH IT. THIS CAN BE A STATICALLY ASSIGNED ADDRESS OR AN ADDRESS THAT IS RESERVED FOR THE ATG IF YOU ARE USING DHCP RESERVATIONS).**
   c) Enter HELP MENU > SETUP (password) > COMMUNICATION & NETWORK to get you to the COMMUNICATION SETTINGS page. (See Figure 3.1)
   d) Set the COMM TYPE to Ethernet.
   e) Set the ATG HOST to the IP address of the ATG.
   f) Set the ATG PORT to the port that the ATG remote session is listening to.

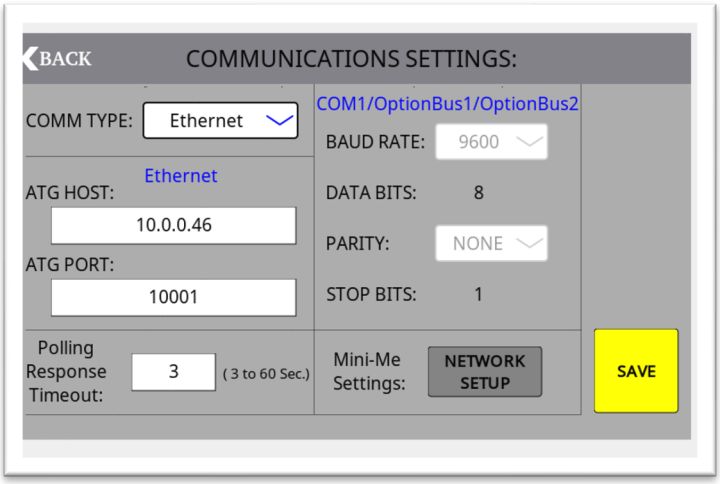


Figure 3.1

   g) Set the POLLING RESPONSE TIMEOUT to an acceptable value based on the ATG configuration. Some ATGs can take more than 5 seconds to respond to commands depending on number of tanks. A timeout of 10 seconds will usually provide ample margin.
   h) Press the SAVE button to save settings, then SAVE AND UPDATE EXIT to apply the new settings.

2) Communicating with the ATG using a **SERIAL** interface:

a) You will need to know the serial port settings for the ATG.

b) Enter HELP MENU > SETUP (password) > COMMUNICATION & NETWORK to get you to the COMMUNICATION SETTINGS page. (See Figure 3.2)

c) Set the COMM TYPE to match the serial interface you are using on the Mini-Me/TAG.

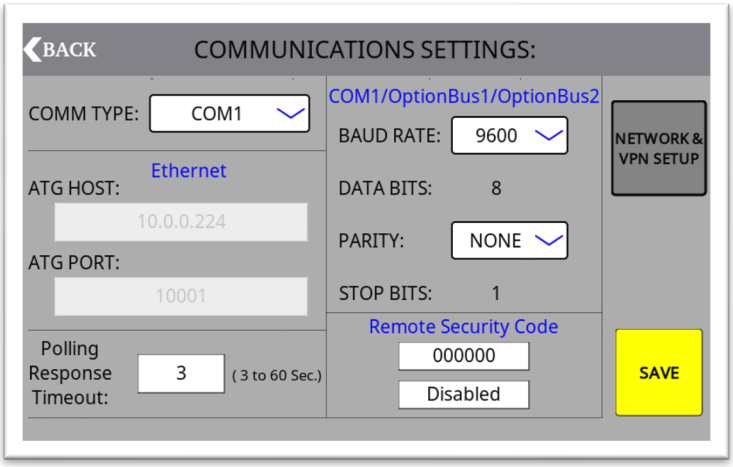


Figure 3.2

- The COM1 drop down refers to the DB9/RS232 connection port.
- There is also an MB-232/485 option board choice. OPTION BUS 2 is the default slot for that board.

d) Set the BAUD RATE and PARITY to match the settings of the ATG's serial port.

e) Press the SAVE button to save settings. Then SAVE AND UPDATE EXIT to apply the new settings.

Please note: It is possible a NULL MODEM ADAPTER is required for an RS232 connection.

4. ENABLING THE TANKACTIVE GATEWAY (TAG) FEATURE

If the Mini-Me/TAG is intended to connect to the OMNTEC TankActive cloud service, **then the system needs to be on a network that allows access to the TankActive cloud via the Internet. Refer to Section 2 of this document to configure the network interface. The TankActive option and the VPN must be enabled.** The following steps are required:

- Enter SETUP > COMMUNICATION & NETWORK > NETWORK & VPN SETTINGS.

- Enable the TANKACTIVE GATEWAY feature.
  (See Figure 4.1; red rectangle)

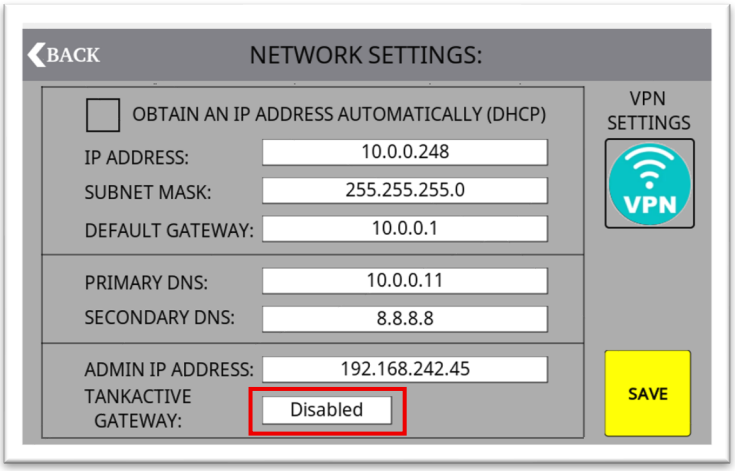


Figure 4.1

- Press the adjacent button to toggle the setting to ENABLE. If the VPN is not already enabled, you are automatically directed to the VPN setup page where you can enable the VPN by selecting the ENABLE button (Figure 4.2).

- The TERMS OF SERVICE (ToS) will appear (Figure 4.3).

- Following the ToS, the VPN status text window will dynamically display the VPN connection status (Figure 4.4). If the system can reach the OMNTEC VPN and connect, you will see a final line showing the VPN IP (e.g. "***VPN IP = 10.57.0.26***"). If there are errors connecting, they will display. Press the BACK button to exit the VPN settings screen.

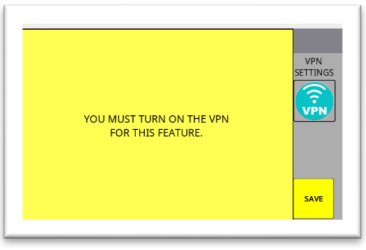


Figure 4.2

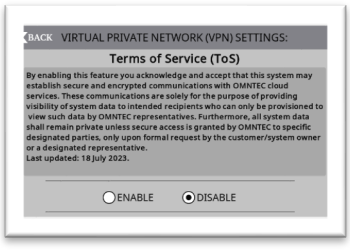


Figure 4.3

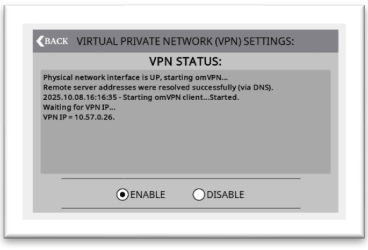


Figure 4.4

Press SAVE to store the new settings. Then back out of SETUP. The system will reboot to apply the settings.

If you have already created a TankActive account/organization, then follow the steps in the TankActive web interface to add the new location for this Mini-Me/TAG. If this is your first location and you need to create a new organization account, follow the steps in the TankActive web interface to create the account and then add the location.