

Matrix2000 MRTCP/IP Module Quick Installation Guide

This guide contains the required steps to connect the MRTCP/IP Module to the *Matrix2000* fire alarm panel.

1. **WARNING:** Remove power from the *Matrix2000* panel.
2. Connect the MRTCP/IP module to the *Matrix2000* main board using the flat cable provided and as shown in Figure 1.
3. Connect the module to the Local network using the RJ-45 connector and ethernet cable as shown in Figure 1.
4. Power up Matrix2000 panel.

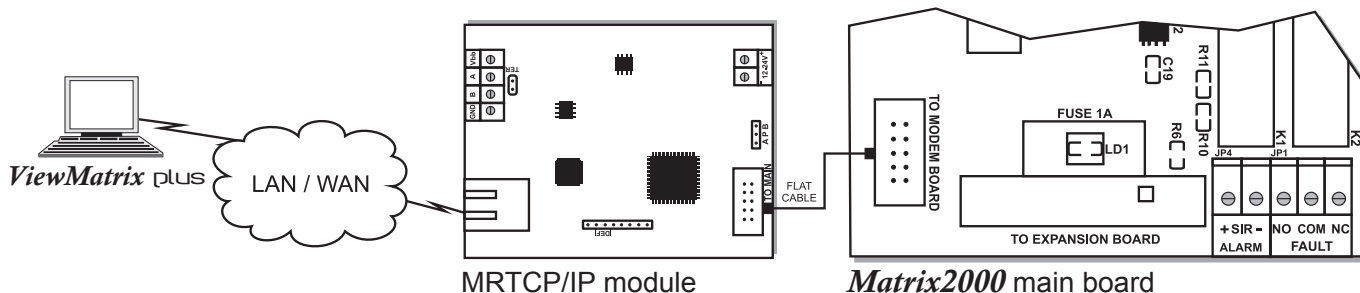


Figure 1 - MRTCP-IP module connection diagram

Do not connect / disconnect MRTCP/IP module if Matrix2000 panel is powered up.

The MRTCP/IP module comes with the default settings of pin "12345", IP address 192.168.0.232 and incoming port 9999.

The module acts a TCP server that will allow one client at any time to connect over IP and monitor/operate the panel. The use of specialized client software is required (ViewMatrix Plus).

Programming of a new IP address and port on the MRTCP/IP module can be made through the **Matrix Network Utility** (MNU) application or the **ViewMatrix plus** software.

Matrix Network Utility (MNU)

The utility uses broadcast ethernet to locate any module connected to the same ethernet network. It is not necessary to have valid IP configuration parameters in the module to find it.

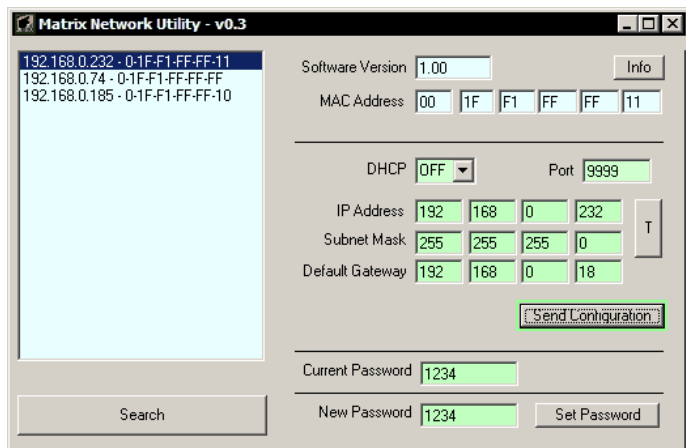


Figure 2 - Matrix Network Utility main screen

Start the MNU on a PC connected to the same ethernet network as the module and follow the steps below:

- Press the **[Search]** button: A list of IP modules found will appear in the text box above. Each line shows the allocated IP address and the MAC address of the module(s).

- Select the desired module by clicking on it's corresponding line in the text box:

The data fields to the right area of the window are populated with it's current settings.

- Amend the fields as required for the intended local network. Pay special attention to DHCP setting:

- If left or set to ON the module will ignore all the Network related fields; during power-up the settings will be allocated automatically by an existing (and required) DHCP server.

- If left to OFF the IP settings entered by the user will be used.



Note: Changing the DHCP setting requires a system restart by cycling the power of the system.

The configuration, once complete is sent to the unit by pressing the "Send Configuration" button.

Special attention is required for changing the PIN: this pin is required for connecting through the client software to the module and panel. To change the pin the "Current password" must contain the active password and the "New password" the new one. The password is a numeric value of up to 10 digits long. Once both text boxes contain the correct/desired values, press the **[Set Password]** button to activate the changes.

The module may be reset to default settings with the following procedure:

- Place a jumper on the pins shown in Figure 3.
- Cycle the power of the system.
- During the initial 5 seconds remove and replace the jumper.
- Wait 5 seconds; the system is now reset to default settings, including the PIN.

