

# ME28

Device Explorer

User Manual  
Revision 03

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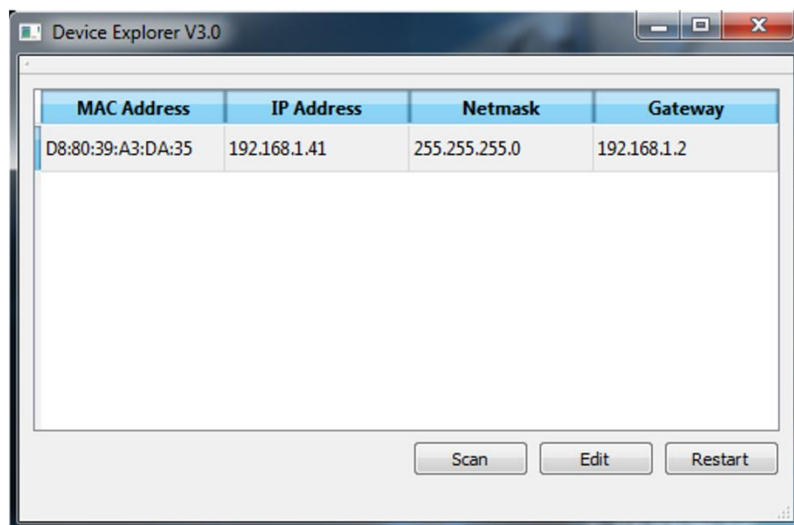
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## 1. Introduction

This tool is used to find and configure ME28 devices connected to the local network without knowing their network setup. Version 3 of the Device Explorer software is only compatible with ME28 Firmware Ver 1.12 and later

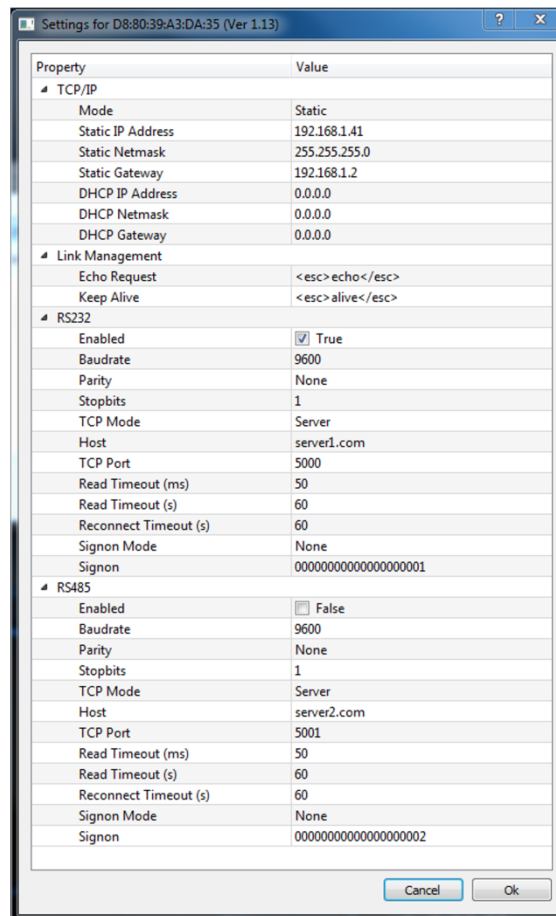
## 2. Finding Devices

Launch the application and click the Scan button. Devices found will be displayed in the list. They are identified by their unique Ethernet MAC address. It also lists the current saved static network settings.



Selecting a device and clicking the Edit button will display the settings window. The displayed window depends on the firmware version of the device.

### 3. Settings Ver 1.12 and Later



This is similar to the earlier version, but for networking DHCP is now also supported. For the TCP to serial to interfaces client mode is now also supported. When selected in client mode, the device will do the TCP connection to the server specified in the Host field.

When in client mode the device can send an optional sign on message. This can be used for identification purposes by the server the device connects to. Options are None, SerialWithIndex and Save Signon. When SerialWithIndex is selected the device will generate a value that starts with the numeric part of the device serial number, ends with an index number (1 for RS232, 2 for RS485) and padded with zeros to a length of 20 characters in total.

#### Example:

Serial Number: CT126456

RS232: 12645600000000000001

RS485: 12645600000000000002

### **Firmware Version Additions**

Firmware version 1.13 onward supports Escape Sequences. These are used for link management while in client mode. Typically client mode is used when the device is behind a NAT router and using a private IP address.

The device handles these sequences internally and does not pass it through to the serial port.

The Keep Alive sequence is a packet sent by the server to keep the connection open and the Echo sequence instructs the device to re-send the Signon id.

Firmware version 1.14 onward supports DHCP HostNames and enabling / disabling of the RS232 and RS485.