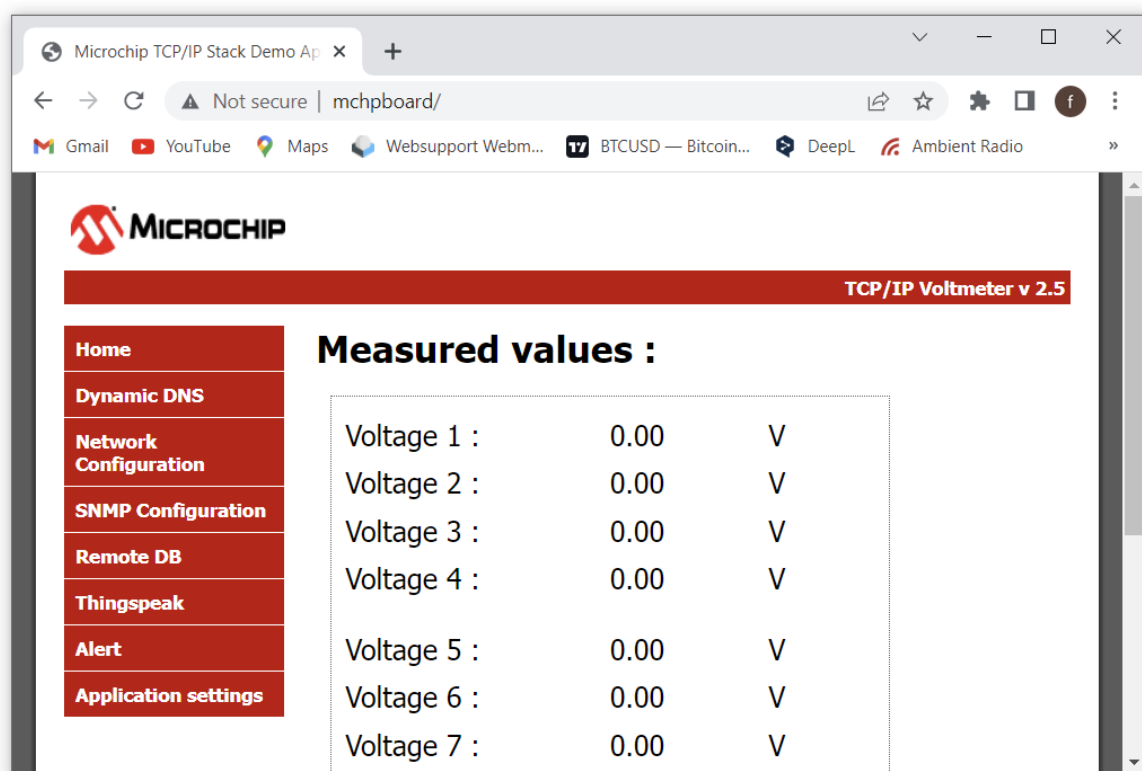


Getting an IP address.

The IP voltmeter gets a dynamic IP address when connected to the network. You can get this IP address in different ways.

1. Use the NetBIOS Name Service (NBNS) hostname.

The hostname for the IP voltmeter is "MCHPBOARD" and you can type this name into the browser and connect to the IP voltmeter. Open a web browser and write **http://mchpboard** in the address bar and you will connect to the board. This way you don't need to know the IP address of the board.



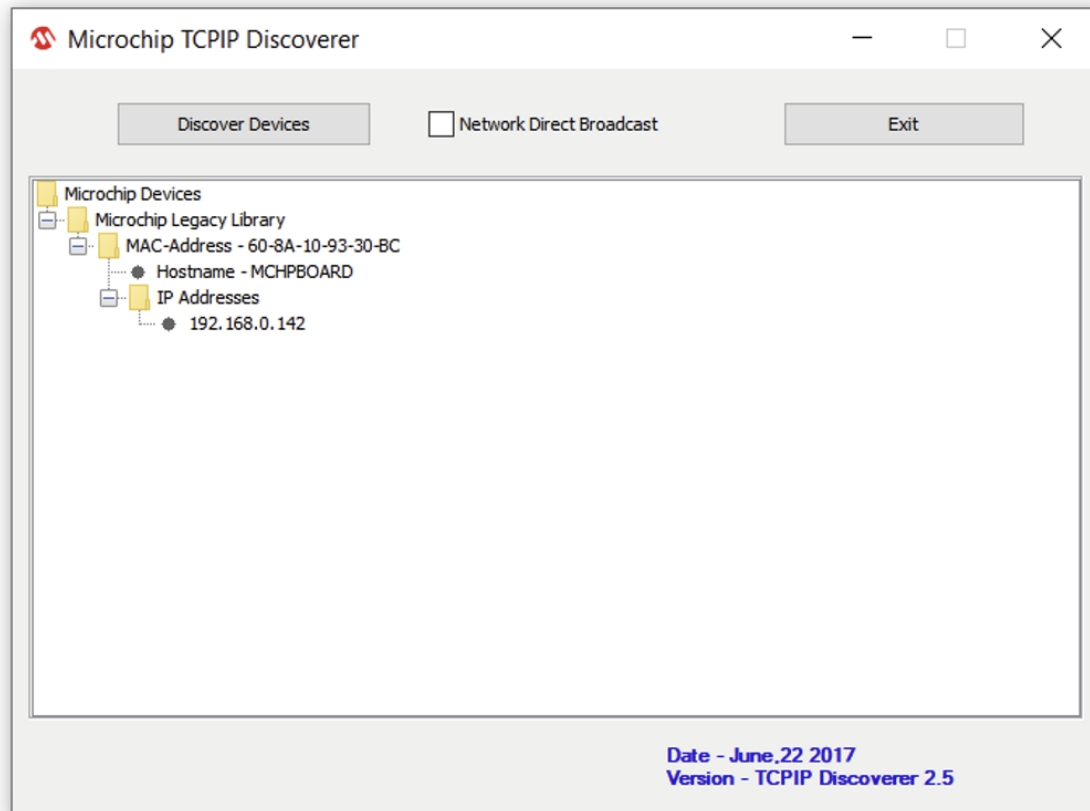
2. Use the MicrochipDiscover.exe tool.

MicrochipDiscover.exe is a powerful tool for configuring Microchip devices. You can download the latest version from the tools section.

By following these simple steps, you can quickly and easily discover IP voltmeter:

1. Connect IP voltmeter to your computer using ethernet cable. Make sure that the device is powered on and in a ready state.

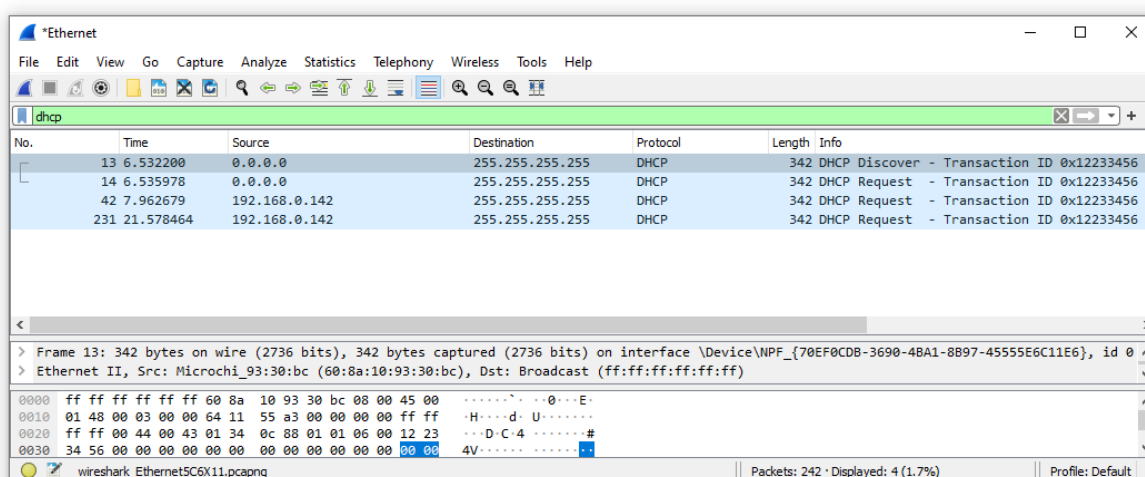
2. Open the MicrochipDiscover.exe application on your computer. It should automatically detect your connected Microchip device.



3. Use Wireshark software.

To find the IP address of a device on the network using Wireshark, follow these steps:

1. Open Wireshark: Start by launching Wireshark on your computer.
2. Start capturing packets: Click on the "Capture" button in the top toolbar to start capturing packets on the network.
3. Filter the packets: In the "Filter" box at the top of the Wireshark window, type "dhcp" and hit Enter. This will filter the captured packets to show only DHCP packets.
4. Turn on the power and connect the IP voltmeter to the network.
5. The IP voltmeter starts communicating and sends and receives DHCP packets. This communication will be displayed by Wireshark and there you will see the IP address of the board.



4. Use the information from the router.



















If the IP voltmeter is connected to the router, you can get a list of connected devices on the network.

To find the IP address of a device on the network using a router, follow these steps:

1. Open a web browser on your computer and type in the IP address of your router in the address bar. This address is usually printed on the bottom of the router or in the user manual. If you don't know the IP address, you can usually find it by typing "ipconfig" in a command prompt and looking for the "Default Gateway" address.
2. Log in to your router: Enter your username and password to log in to your router.
3. Look for the list of connected devices: Once you are logged in to your router, look for the section that shows a list of connected devices on the network. This may be labeled as "Attached Devices", "Connected Devices", or something similar, depending on your router's firmware.
4. Look for the device you're interested in: Look for the device whose IP address you want to find in the list. The list may show the device name, MAC address, and IP address.

Note that the steps to find the list of connected devices may vary depending on the router's firmware.

Connected Clients [View Blacklist](#)

Type	Information	Real-time Rate	Interface	Tx/Rx Rate(Mbps)	Duration	Block
	DESKTOP-3Q...  E8-03-9A-1B-6B-1B 192.168.0.189	 0.03 KB/s  0.03 KB/s		--	51 min	
	LAPTOP-DST...  04-56-E5-F6-C0-8E 192.168.0.120	 1.6 KB/s  0.40 KB/s	 	866 / 866	5 h 38 min	
	UNKNOWN  60-8A-10-93-30-BC 192.168.0.142	 0.03 KB/s  0.03 KB/s		--	41 min	