MW100 IP Address Setup

Tech note TN12003
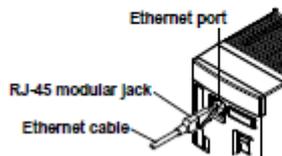
Overview

- This tech note describes how to setup an IP address in the MW100

- Out of the box the MW100 has no IP address set, and will need the IP Confg software to set it up. The IP Confg software is part of the MW100 Viewer software that comes on CD with the MW100.

- The software can also be downloaded from this link:https://ylink.yokogawa.com/YL008.po?V_ope_type=Show&Download_id=DL00001157&Language_id=EN

  - The serial number needed to load the software is:

    Serial Number: 182-00337-5967

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Connecting the MW100 To A PC

- The MW100 can be connected to a network or to a stand alone PC.

- The MW100 is connected to a PC using a patch cable and a hub or switch. It can also be connected using a crossover cable from the MW100 directly to the PC.
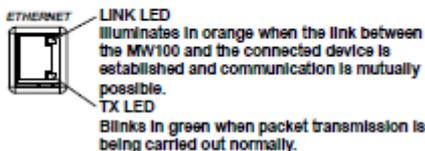
Connecting an Ethernet Cable to the Main Module

Connect the Ethernet cable to the Ethernet port on the main module. Use a UTP (category 5 or higher) or STP Ethernet cable.

Ethernet port

RJ-45 modular jack

Ethernet cable

Checking the Communication Status

You can check the status on the two LEDs at the upper-right and lower-right of the Ethernet port.
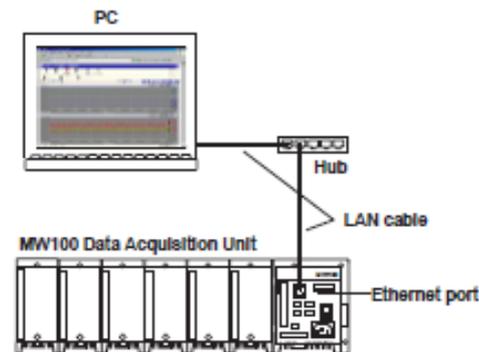
ETHERNET

LINK LED
Illuminates in orange when the link between the MW100 and the connected device is established and communication is mutually possible.

TX LED
Blinks in green when packet transmission is being carried out normally.

Connector

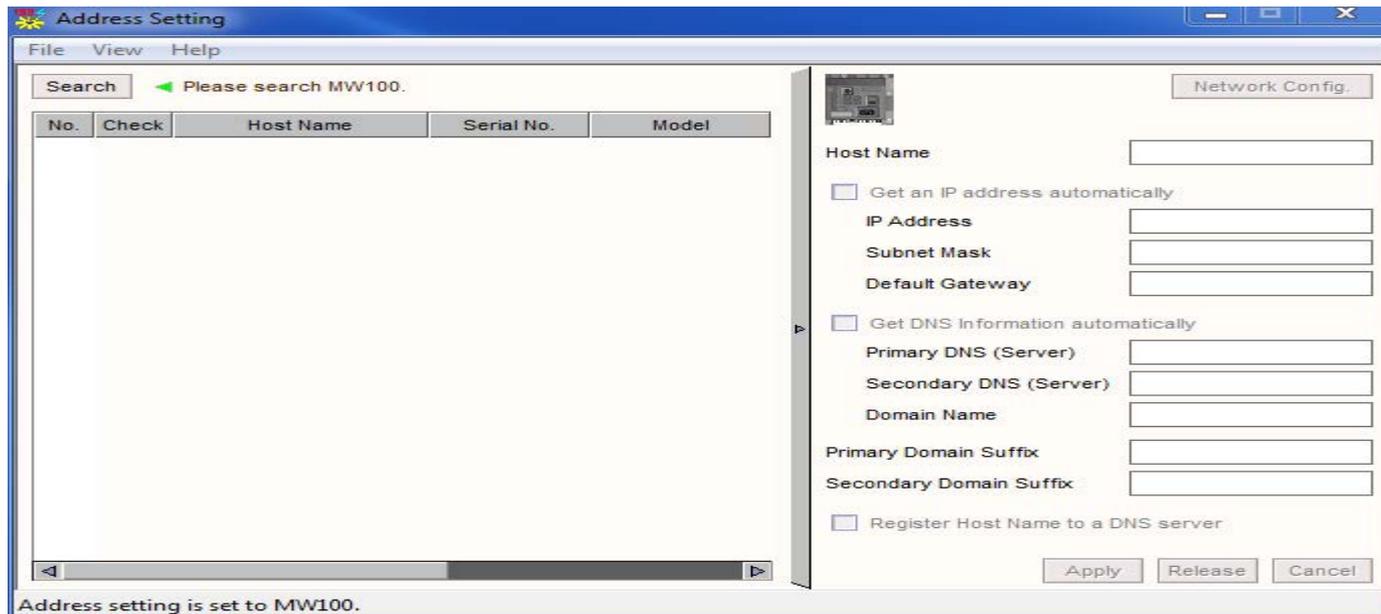Connect the Ethernet cable to the Ethernet port on the main module.

Connection to the PC

Make the connection via a hub. For a one-to-one connection with a PC, make the connection as shown in the figure below. In the same manner, you can connect multiple MW100 Data Acquisition Units to a single PC.

PC

Hub

LAN cable

MW100 Data Acquisition Unit

Ethernet port

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- Press your start Menu on the PC, then select All programs.
- Find and choose the MW Viewer Software
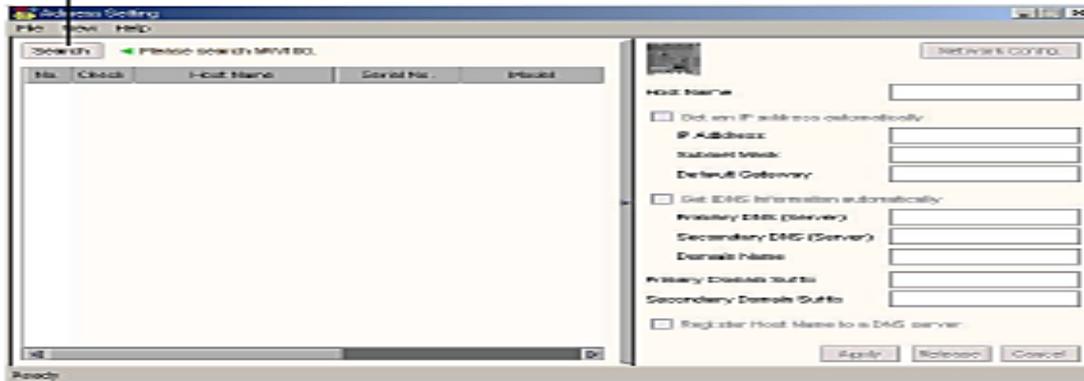- Then choose the IP Configuration Software, and the program will open.
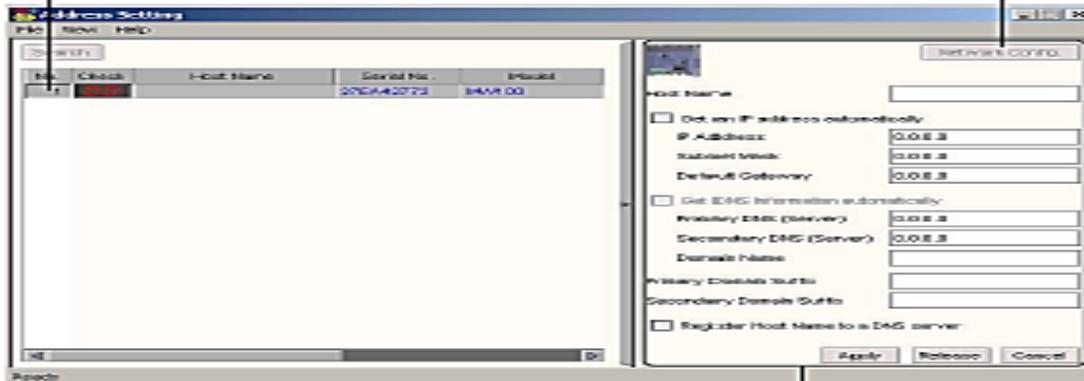
Using The IP Config Software

Setting the IP Address

Because the IP address is not set by factory default, set the IP address first.

1. After opening an Ethernet connection between the MW100 and PC, run the MW100 Viewer Software CD-ROM or the IP address setting software installed on the PC.

2. Click here.
   The MW100 information is displayed.

3. Click here.
   Information appears in the address setting screen.

4. Click here.
   Setting changes are enabled.

Address Setting Screen

Using The IP Config Software

Network Config.	
Host Name	MW100-1

☐ Get an IP address automatically

IP Address	192.168.1.0
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.100

☐ Get DNS Information automatically

Primary DNS (Server)	192.168.1.2
Secondary DNS (Server)	192.168.1.3
Domain Name	mw100.com
Primary Domain Suffix	DAQMASTER1.com
Secondary Domain Suffix	DAQMASTER2.com

☑ Register Host Name to a DNS server

[Apply] [Release] [Cancel]

Click the Network Settings button to enable changes to settings.

Restored to the condition before editing.

Resolves the IP address from the DHCP server. Restores the settings to their defaults. At the same time that the defaults are restored, the software searches again for MW100s.

Updates edited contents. At the same time that updating occurs, the software searches again for MW100s.

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Using The IP Config Software

- Please make sure that the IP address you are setting in the MW100, is in the same family as the PC or Network you are using

  Example: PC = 192.168.10.1 MW100 = 192.168.10.2

- For more info on setting the IP address in the MW100 please refer to the MW100 Viewer software manual that came with the unit, or it can be downloaded from the link below.
  http://support.us.yokogawa.com/downloads/index.php?dir=Software%2FRecorders%2FMW100%2FMW+Viewer+Software+Manual%2F

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Thank you!

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