Quick Guide: M2Config Installation and Use

The M2Config utility is used to set the IP Address for an M2 or M3 series controller. It can also be used to set the configuration of the controller, such as display size. It’s recommended to work with Daktronics’ Technical Support at 888-325-8766 when making configuration changes to avoid causing communication or display issues.

Installation

1. Use your web browser to navigate to http://dakfiles.daktronics.com
2. Click Venus 1500 > utils > M2_Config
3. Click setup.exe to run the installation

Connecting To A Display Via Ethernet

Follow these steps to connect to a display or a display controller with M2Config through an Ethernet connection. These steps assume you have set your computer’s IP Address to be on the same network as the display.

1. Connect a computer to the display with an Ethernet (RJ45) cable
   **Note:** Connection can either be made at the quick connect on the back of the display or the Ethernet port on the controller
2. Turn display on and record HW address and IP Address shown during boot sequence
3. Open M2Config
4. Click **Network** at top, then click **Configure Connection**
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5. Choose TCP/IP for type
6. Enter the HW address in the Address box
7. Enter the IP Address of the display in the IP Address box
8. Click OK
9. Click Network then click Connect

Connecting To A Display Via Serial

Follow these steps to connect to a display, or display controller, through a serial-type connection. These steps assume you have the proper cables and/or adapters necessary for this type of connection.

1. Connect your computer to the display
   **Note:** Connection can either be made through the communication method of the display or directly to the controller through a set of cables and adapters
2. Turn display on and record HW address shown during boot sequence
3. Open M2Config
4. Click Network at the top, then click Configure Connection
5. Select Direct for Type
6. Enter the HW address in the Address box
7. Select the correct COM port
   **Note:** This is assigned by your computer
8. Select the correct Baud Rate. Refer to the list below for options.
   a. M2 Controller - 19200
   b. M3 Controller - 115200
9. Click OK
10. Click Network then click Connect

Figure 4: Connection Configuration
Figure 5: Connect
Figure 6: Serial Connection Configuration
Changing The Displays IP Address

This section explains how to set the display’s IP Address to be compatible with a customer’s network.

1. Connect to the display with M2Config. Follow the steps in one of the previous sections for instructions.

2. Click the Communications folder on the left side.

3. Click TCP/IP.

4. Select Use the Following IP Address.
   Note: If the customer would like to use DHCP instead of a static IP address, select Obtain an IP address automatically.

5. Enter the IP Address and Subnet Mask in the correct fields.
   Note: If using DHCP, enter the DHCP name in the appropriate field.

6. Click File.

7. Click Set Configuration.

   ![Figure 7: Setting IP Address](image1)
   ![Figure 8: Set Configuration](image2)

Once the configuration has been sent to the display, the display should reboot and show the new IP Address or DHCP name during the boot sequence. Watch the boot sequence to confirm.