

VISIONS 3000 NETWORKING

LINUX 2.52



Networking



You can configure network settings from the **setup dialog**.

To edit network settings, you must first be logged in as the supervisor

Supervisor

test.efi



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Accessing Network Settings

From the home screen or the main run-screen, in monitor-mode or run-mode, press the setup button, then the "General Settings" icon, then the "Network Settings" icon.



This takes you to the Network Setting page.

The VISIONS 3000 controller supports network connections via wired or wireless interfaces. You can only use one of these at a time.

You need to configure and enable networking in order to use the following VISIONS 3000 functions:

- VNC. This allows you to remotely access the controller across a Local Area Network (LAN) or through the Internet.
- FTP. You can remotely access the files on the controller using FTP. This feature is most often used by EFI engineers when upgrading the software on the controller.
- Kistler Multiflow. If your tool has Multiflow installed, you can use it to automatically balance the tool. To do this, you will need to enable networking.

The network settings pages allow you or your network administrator to configure the controller to access your network.



Network Services:

Only Supervisors can change these settings.

Use this page to enable or disable the VNC and FTP services and to select the network interface to use.

The "Hostname" option allows you to give the controller a name. This is useful for identifying a controller when you have many controllers on the network. Changes to this setting require that the controller restarts.

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IP Settings:

Only Supervisors can change these settings.

In order for any device to use the network, it must be assigned an IP address. The VISIONS 3000 controller supports IPv4 addressing.

The controller can automatically acquire an address using DHCP, if your network has a DHCP server.

Alternatively you can assign a static address manually.

Your network administrator can advise you about IP addresses, masks and gateway addresses.



Wireless Settings:

Your VISIONS 3000 controller may already be fitted with an internal Wi-Fi adapter. You can also attach a USB Wi-Fi adapter to the USB port.

Only Supervisors can change these settings.

Configuring the VISIONS 3000 to connect to a Wi-Fi network is similar to the steps you'd take on a desktop PC.

However, the VISIONS 3000 software requires you to know the name of the network to connect to before you begin configuring, because there is no "scan" facility.

Your network administrator can advise you about network type and encryption settings.



Using VNC:

Virtual Network Computing (VNC) is a graphical desktop sharing system that allows you to view the VISIONS 3000 screen from a PC, laptop, tablet or smartphone. You can access all of the features of the software and use the controller as though you were standing in front of it.

To use this feature:

- Connect the controller to the network, using either the wireless or Ethernet interface.
- Configure the controller to connect to the network (i.e.: IP address and / or Wi-Fi settings).
- Enable the VNC server on the controller in the Network Services page.
- Connect a laptop, desktop PC, tablet or smartphone to the network.
- On the PC, laptop, smartphone or tablet, download and install a VNC client application. There are many freely available from the Internet.

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Assuming that the CM8 controller and client device (e.g.: desktop PC) are properly configured, launch the VNC application and enter the IP address or hostname of the VISIONS 3000 controller:



You will be asked for the password, which is configured by the Supervisor in the Network Services page. Once connected, you can view the VISIONS 3000 software on your PC or other device.



The controller will only allow one VNC connection at a time. The first connection is accepted; later connection attempts are rejected.



Connect the Kistler Multiflow unit and the VISIONS 3000 Controller to a network. This can be done via a LAN hub or switch, a direct cable connection or via a Wi-Fi network. Your network administrator can advise.

Once connected, you can configure the VISIONS 3000 to accept setpoint changes from the Multiflow unit.

Only Supervisors can change these settings.

- Multiflow HRI Server. Enable or disable the Hot-Runner Interface.
- TCP Listen Port. This should match the same setting on the Multiflow unit.
- Client IP Address. If set to "Any", the VISIONS 3000 will accept the first connection made using the Kistler HRI protocol, and reject subsequent connections. For security, you can set this to the IP address of the Kistler Multiflow unit and force the VISIONS 3000 to reject any HRI requests that do not originate from the IP address specified.
- Maximum and Minimum Temperature. These settings allow you to limit the range of changes to setpoints that are accepted.

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When a connection is established by the Multiflow unit, the Kistler logo appears on the status-bar and a message is added to the log.

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When using Kistler Multiflow, setpoints can be continually changed by the Multiflow unit as it balances the tool. Setpoints can still manually be changed by a user at the controller.

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