# How do I directly control an instrument using LAN?

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For convenience, we recommend connecting your instrument to your LAN using a router that can configure DHCP directly and use an internet switch to connect the LAN to the instruments you wish to control.

In some cases, you may wish to directly connect your computer to an instrument LAN port without a LAN available.

This requires:

1. A crossover Ethernet cable. A through type cable will not work because most instrumentation does not have Tx/Rx switching capability at the physical LAN connection.

OR

2. An Ethernet switch and “through” type cables. Here, the switch configures the Tx/Rx routing and no special cabling is required.

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