

MATRIQ

Quick Start Guide

Set up your MATRIQ instrument

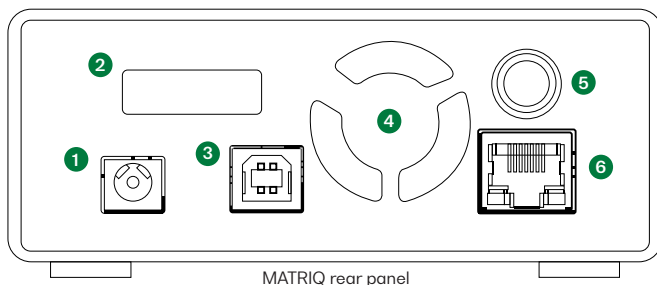
To prevent product damage:

- Wear a grounded wrist strap at all times when handling the instrument.
- Store the instrument in antistatic packaging when not in use.
- Please check the fiber end-face type of the optical ports (e.g. PC or APC) and only use the same type of optical connector to avoid damaging the end-face.
- Clean connector fiber end-faces each time before connecting it to the instrument, and cover unused optical connectors with clean dust caps.
- You **must** use the external power supply that has been supplied by Quantifi Photonics with the unit. Any attempt to use a different external power supply may cause product damage and will void your warranty.

1. Connect the power cord.
2. Connect the instrument to:
 - a client computer via a USB cable; **or**
 - your network or client computer via an Ethernet cable.
3. Turn the instrument **ON**. The boot procedure may take up to 2 minutes. Once completed, the LCD screen will display the IP address and you can communicate with the instrument.

Multi-instrument control:

The default static USB IP address of all Quantifi Photonics instruments is **192.168.101.201**. When connecting several instruments via USB, assign a unique USB IP address to each instrument to avoid addressing conflicts. For details on how to change the IP address with CohesionUI, refer to the user manual.



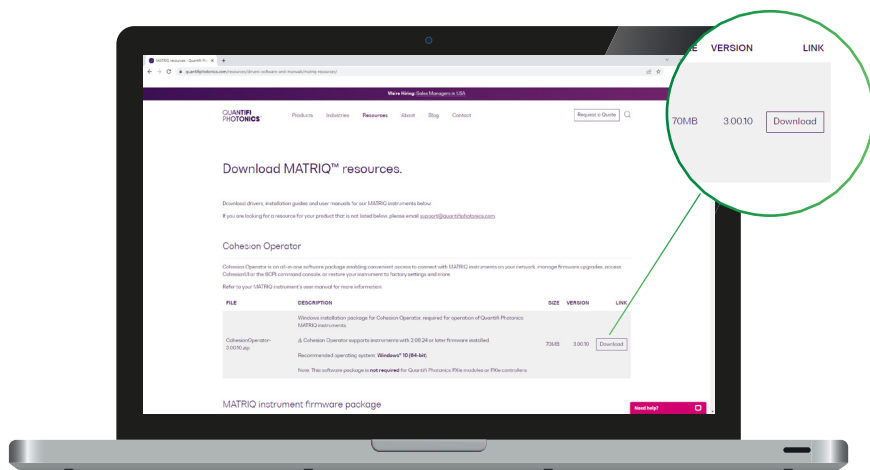
1. Power supply port
2. IP address LCD screen
3. USB type B port
4. Air vents
5. On/off power button
6. Ethernet port

OPTIONAL: Install Cohesion Operator software

The software enables you to connect with all Quantifi Photonics instruments that are available on your network, but is not required to operate the instrument or access its GUI (CohesionUI).

1. On a client computer, locate and run **CohesionOperator-<version>.exe**
 - on the USB media device provided with the product; **or**
 - download it from the Quantifi Photonics website (details below).
2. Follow the on-screen installation prompts. Required drivers, applications, and desktop icons will be installed on the computer.

You can find the software package on quantifiphotonics.com, go to Resources > Drivers, software and manuals > MATRIQ Series

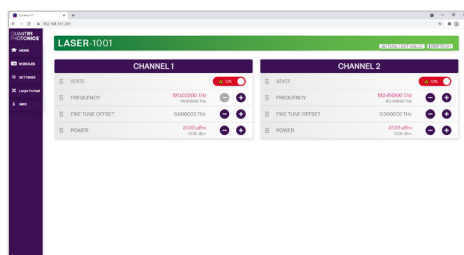


Communicate with your MATRIQ instrument

You have the following options to communicate with Quantifi Photonics instruments that are available on your network:

Web browser

Open Google Chrome or Microsoft Edge on the client PC connected to the instrument and enter the instrument's IP address in the browser's address bar to access the GUI (CohesionUI).



Cohesion Operator software

Open the Cohesion Operator application on the client PC that is connected to the instrument, then:

1. Select the instrument by its IP address (displayed on the LCD display).
2. Click **CONNECT** to collect instrument information. This is an easy way to verify which instrument you are communicating with.
3. To communicate with the selected instrument:
 - a. Click **OPEN COHESIONUI** to open the graphical user interface.
 - b. Click **OPEN SCPI COMMAND CONSOLE** to send SCPI commands via Quantifi Photonics' SCPI Command Console.

SCPI commands via programming interfaces

Choose from programming tools such as LabView, C++, Python etc. to work with the instrument's fully SCPI-compliant command set.

For detailed operating information, refer to the user manual included on the USB drive.

Test. Measure. Solve.TM

Quantifi Photonics delivers advanced test solutions that enable scalable, cost-effective, high-volume manufacturing of photonic integrated circuits (PICs), co-packaged optics, and pluggable optics. Our portfolio spans a broad range of photonic test instruments and digital sampling oscilloscopes, available as compact benchtop units or in the industry-standard PXI form factor, designed for high-throughput design verification and production testing.

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