

# Ports used by Remote Utilities

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Remote Utilities uses different ports depending on whether a *direct connection* or *Internet-ID* connection is being used.

## Direct connection ports

In order to access a remote *Host* through direct (point-to-point) connection you need to allow the *inbound* TCP port `5650` on the Host PC and the same *outbound* port on the *Viewer* PC:

Module	Port	Direction
Host	TCP 5650	Inbound
Viewer	TCP 5650	Outbound

During Host installation the program automatically adds an "allow" rule to your Windows firewall on the Host PC. However, if you use different firewall software, you need to manually allow this port in the firewall settings.

### Remember

If port 5650 cannot be used for some reason, you can change it to a different value in the [Host settings](#). If you changed the port on the Host side, remember to also update the port in the corresponding [connection properties](#) on the Viewer side.

## Internet-ID connection ports

*Public server*

When you enable *Internet-ID* connection type, the program connects through our company-hosted server by default. Remote Utilities uses a single outbound TCP port `5655` to communicate with our public server. If this port is blocked, the program automatically attempts to use outbound TCP port `443`.

### Communication ports (public server)

Module	Port	Direction
Viewer	TCP 5655 or 443	Outbound
Host	TCP 5655 or 443	Outbound

### *Self-hosted server*

With a bit of configuration you can replace our public server with a self-hosted *RU Server* by which to route your *Internet-ID* connections. This makes your remote support solution completely autonomous and no longer dependent on our company infrastructure.

For information on RU Server ports, see [Ports used by RU Server](#).

### Related articles

- [Ports and port forwarding: How do I set up port forwarding for the Host?](#)
- [Ports and port forwarding: Ports used by RU Server](#)

URL: <https://www.remoteutilities.com/support/docs/ports-used-by-remote-utilities/>