

Using TeamViewer to Control XPression Remotely

Program producers are shifting their workforce from employees and equipment being co-located in the same facility to a remote integration (REMI) workflow where operators may be remotely located from the equipment they are operating. Since a good portion of video production equipment is based on Microsoft® Windows® or Apple® macOS® operating system software, commonly accepted protocols for operating computers remotely are now being used.

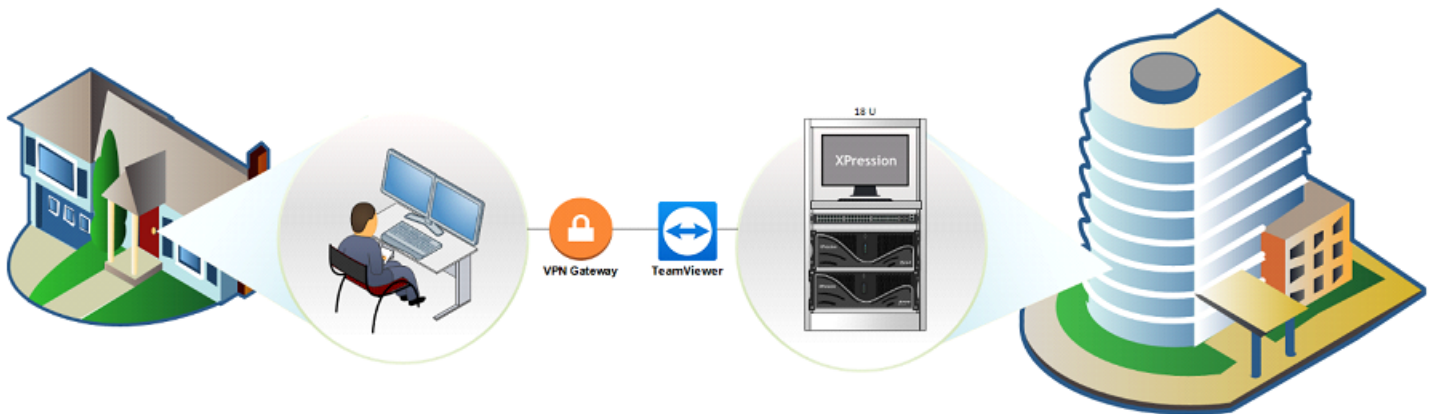
Corporate Policy about Remote Access to Computers

In order to protect corporate data and infrastructure, many corporate IT departments have banned any remote access tools in order to limit access to their networks by hackers or other covert groups. This has included any software which allows remote control of a computer from an outside user such as TeamViewer, GoToMeeting®, Windows® Remote Desktop®, VNC®, and others. However, tools like Windows Remote Desktop and TeamViewer might be used by some IT departments to provide support and access to computers on their own Local Area Network (LAN) to assist in troubleshooting and to assist users.


Using Remote Access Programs Securely

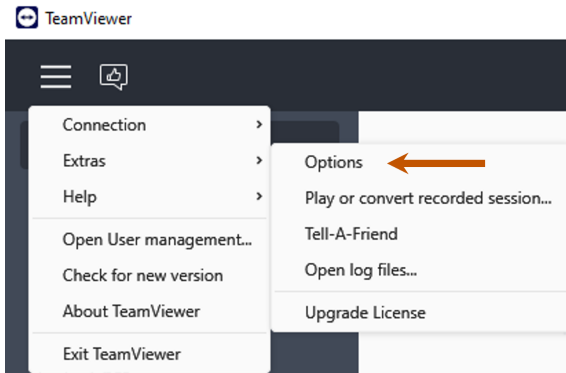
While use of tools like TeamViewer across the internet presents obvious security risks, it is possible to limit access to controlling an installation of TeamViewer client software to only users on the LAN. Users who access the corporate network using a Virtual Private Network (VPN) client will usually have access to at least a portion of the corporate IT network and managed access to computers, file servers and other IT resources.

If the production equipment with access required by external users is on the corporate LAN, it is possible to securely use TeamViewer to access those devices remotely.

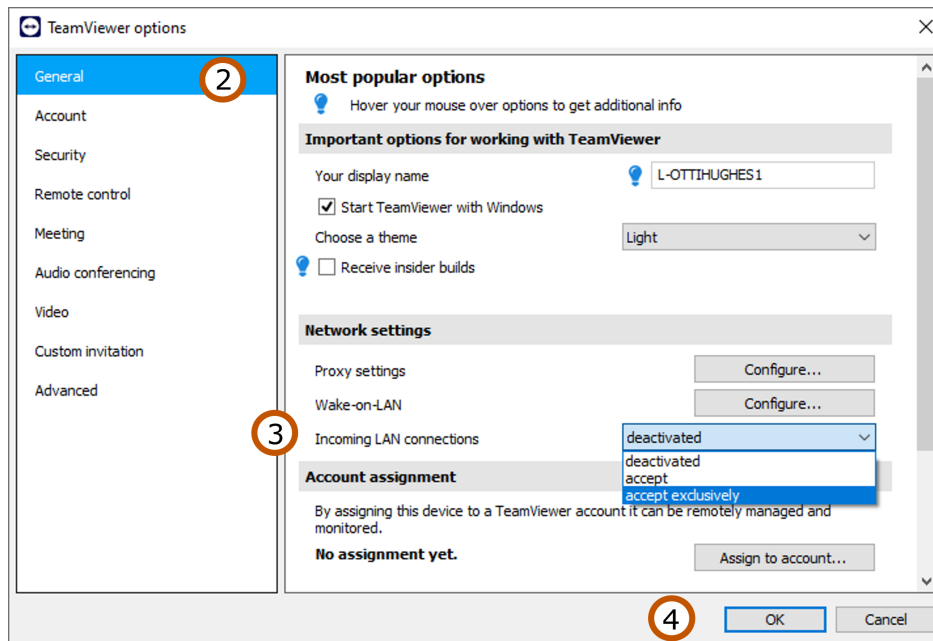


To restrict access:

1. After signing in to TeamViewer, from the **Main** toolbar of the TeamViewer client, select the hamburger stack  and from the menu, select **Extras > Options**.



This will bring up the **TeamViewer options** configuration dialog.



2. Select the **General** section.
3. In the **Network settings** section, from the **Incoming LAN connections** drop-down, select **accept exclusively**.

This will restrict access to the computer to connections from within the LAN, and not allow access from computers outside the network, such as remote users outside the building.



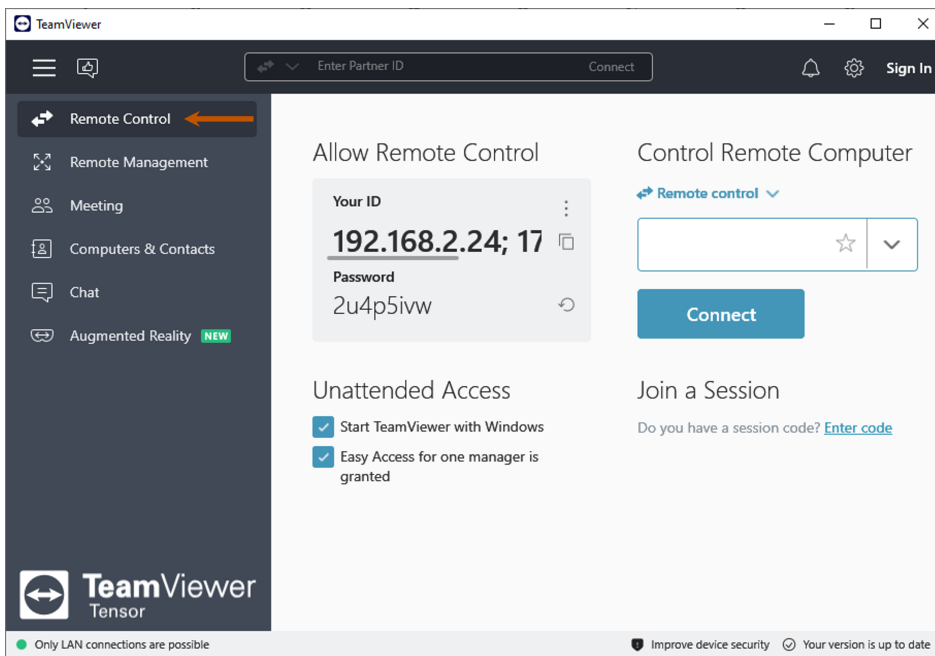
4. Then select **OK** to save the changes to the **Network settings**.

Connecting With TeamViewer

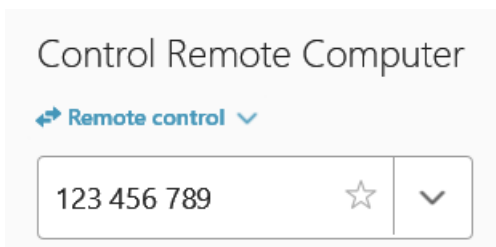
Remote users with a VPN client provided by their IT organization can log onto the VPN from a remote location such as their home.

To connect with TeamViewer:

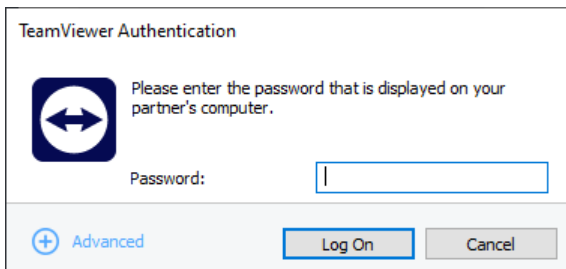
1. Once on the VPN, launch the TeamViewer client and log in using the credentials supplied by your IT organization.
2. On the left side of the UI, select the **Remote Control** option.



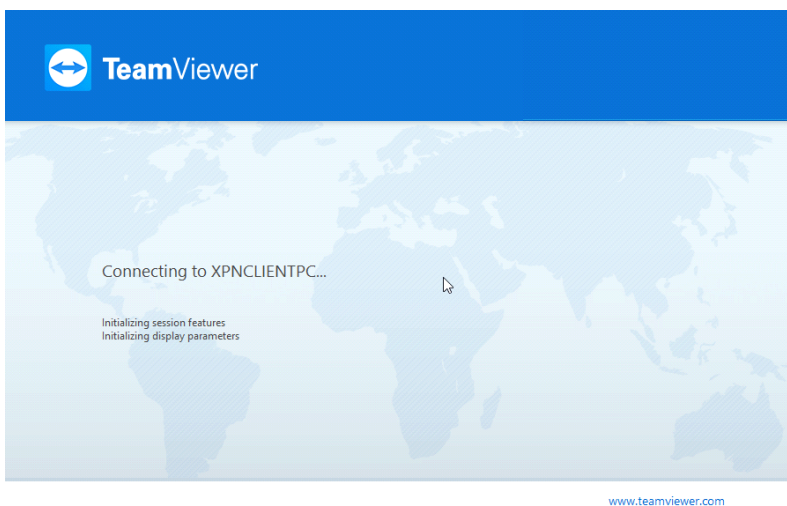
3. In the **Control Remote Computer** section, in the **Remote Control** field, enter the Partner ID of the computer you wish to control.



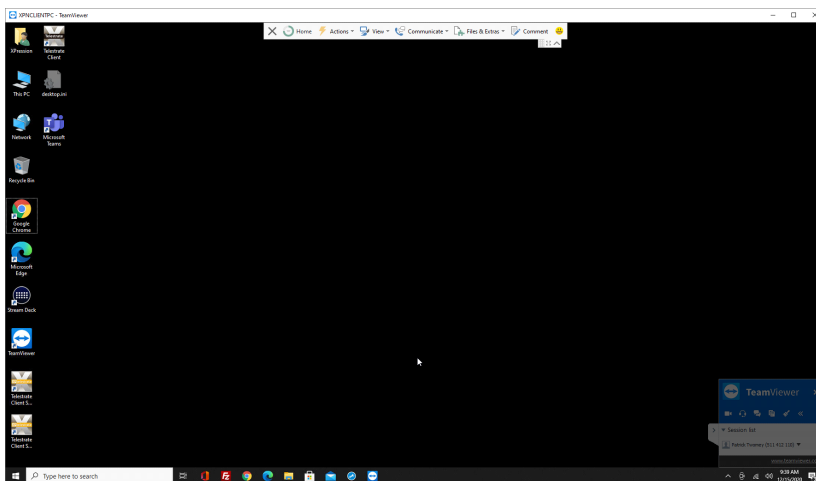
4. Once the connection to the remote computer is initiated, in the **TeamViewer Authentication** dialog, enter the provided password and then select **Log On** to continue.



If successful, the TeamViewer panel will be replaced by a splash screen showing the status of connecting to the remote computer. Dialog strings will briefly appear and indicate the initialization of features and options enabled by the user of the remote computer.



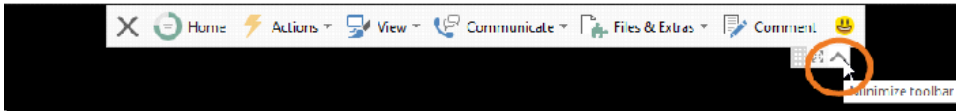
Once the initialization is complete, you will be presented with the desktop view of the computer running the TeamViewer client. In most cases, desktop wallpaper is not presented to the remote user. Now you can control and see the computer display as if you were sitting in front of it inside the building.



Important TeamViewer Toolbar and Session Panel Controls

The remote user will have a TeamViewer toolbar appear at the top of the TeamViewer Window.

To minimize the TeamViewer toolbar, select the **^** icon on the lower-right side.



To restore (or maximize) the TeamViewer toolbar, select the **v** icon on the lower-right side.



To terminate the remote session in TeamViewer, select the **X** at the left side of the toolbar. This will terminate the session and may force a reset of the Partner ID used to connect to the remote computer.



A session panel in the lower-right-hand corner of the client computer will appear and allow for changing settings on the client computer. You can access this panel to hide it from your view.

Select the **>** icon to minimize it to the right edge of the screen. If the panel is minimized off the screen, hovering over the TeamViewer logo will change it into an **<** icon. Select this icon to restore the session panel.

