

BBHN-MESH™ Software Applications

Part 1: TeamViewer

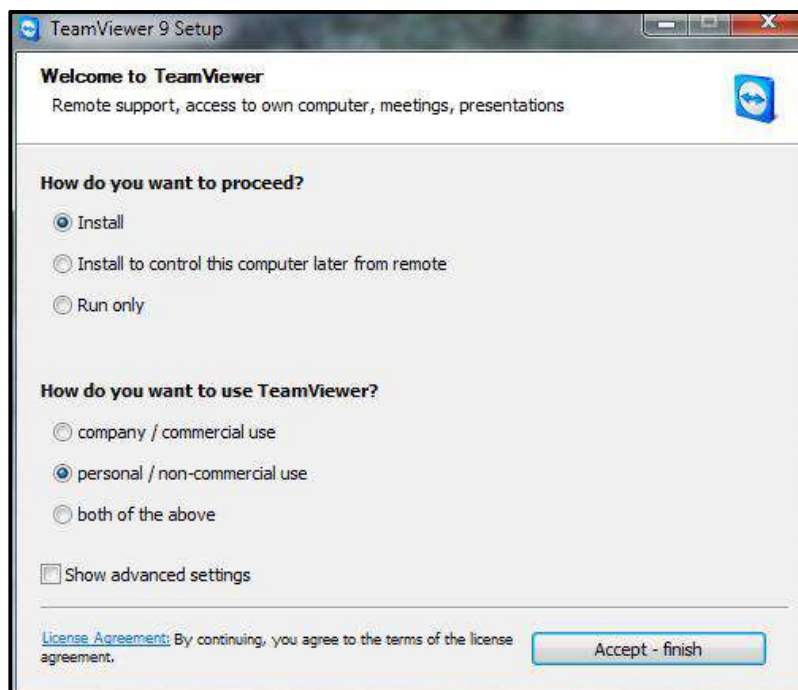
By Robert C. Mazur, VA3ROM, December 2013.

Before connecting your MESH node router disconnect or turn off your computer's hardwired or Wi-Fi Internet! If required, Internet access is provided differently within the BBHN-MESH system.

Remote Control and File Transfer

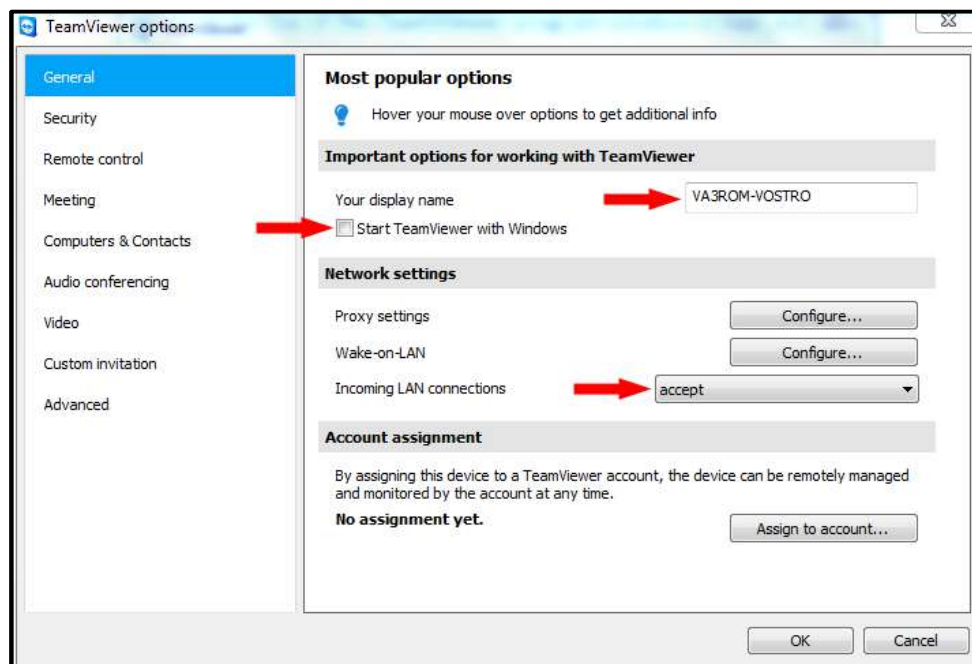
TeamViewer (<http://www.teamviewer.com/en/index.aspx>) is a free application (for personal use) that provides peer-to-peer remote computer control and high-speed file transfers. It has other features but I won't cover those.

- a. Download the software and run the installation program (you can skip the advanced settings option).

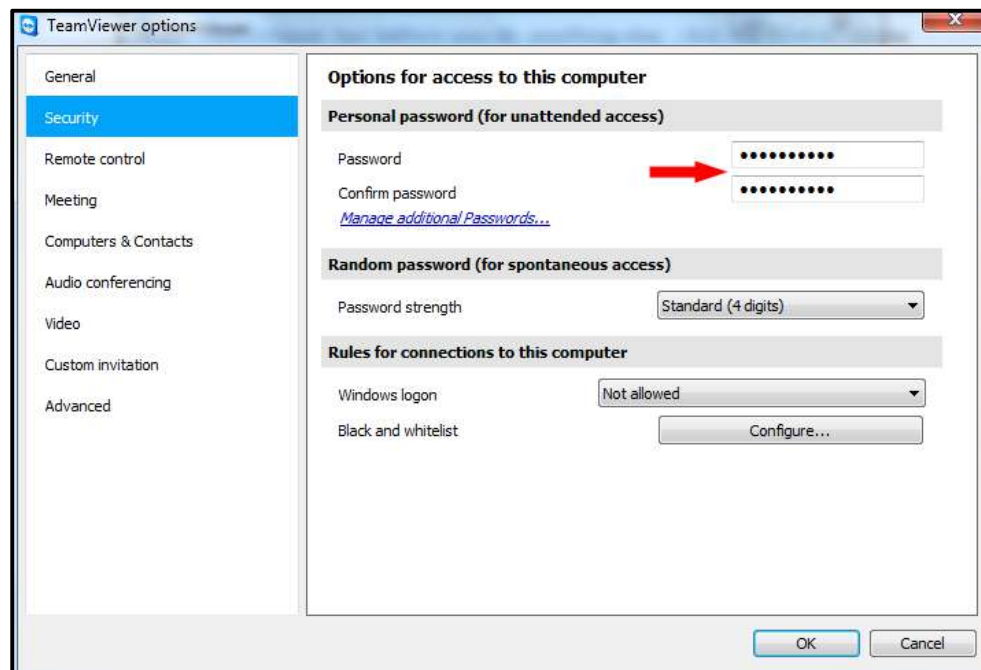




- b. Run TeamViewer, but before you do anything else, click the **Extra** menu item at the top of the TeamViewer program window, select **Options** and then **General** from the TeamViewer options window:



- c. Enter your **display name** (as seen by the remote computer).
- d. Decide if you want TeamViewer to automatically start with Windows (depends on your particular requirements).
- e. Set **Incoming LAN connections to accept**.
- f. Select the **Security** menu item.
- g. Set a **Personal Password** to override the random one generated by TeamViewer.
- h. Click the **OK** button.

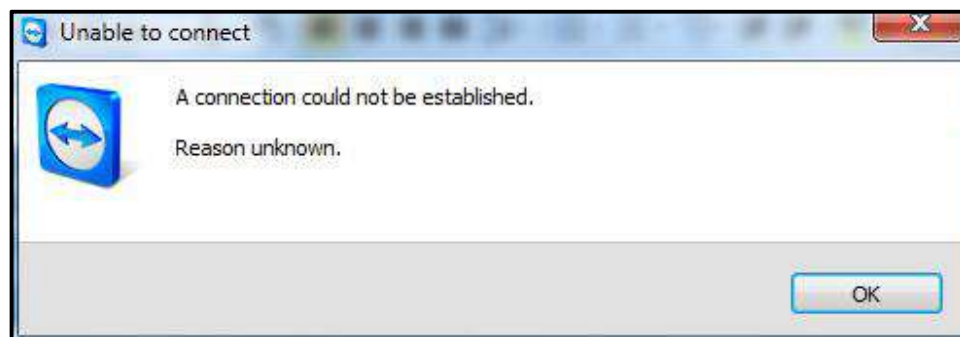


That's it! You and/or your BBHN-MESH group can experiment with the other option settings and some of the other program features as you become more familiar with TeamViewer. You need at least two computers with properly configured MESH node routers, and both must be running copies of TeamViewer to connect from either computer.

Firewall Issues

Windows XP doesn't seem to differentiate between private (called Home and Work) and public (MESH and other open access) networks, but later versions really do and should normally "ask" for permission when they "think" there's some kind of security issue before allowing a program access to a network. This link explains how to configure the Windows firewall settings: <http://tinyurl.com/2933r7b>.

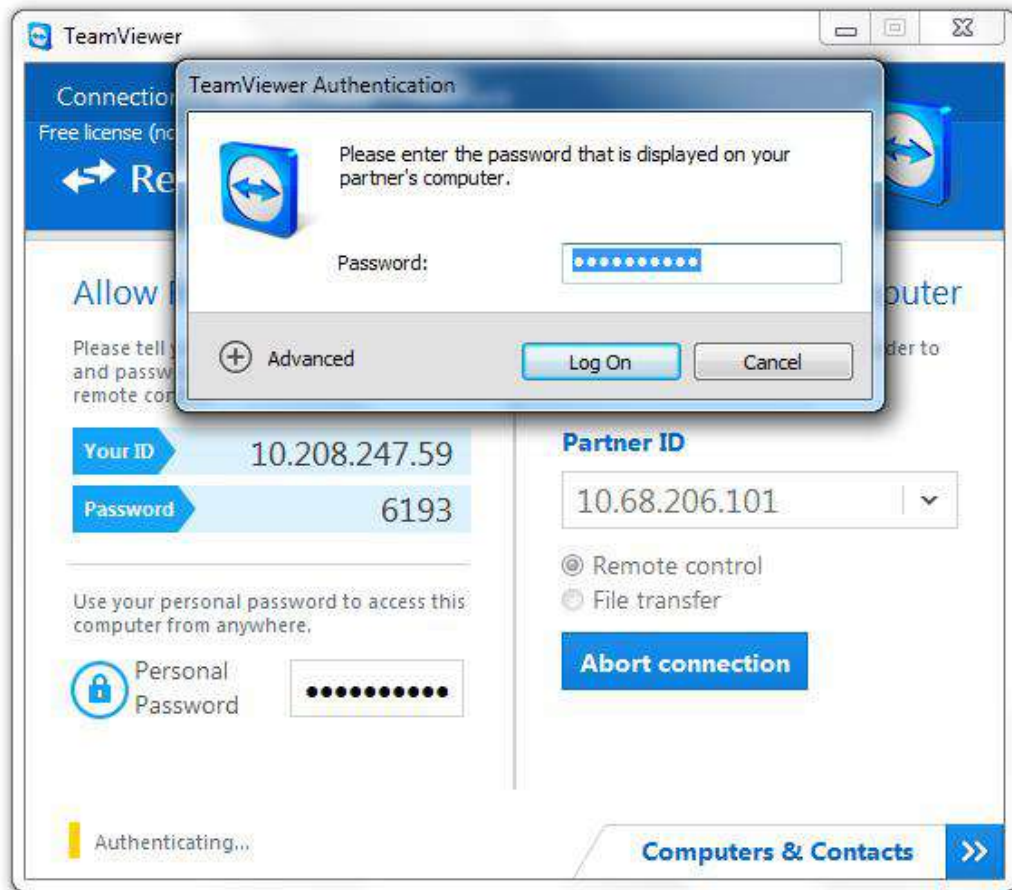
This message usually indicates a problem with the Windows firewall settings.



Using the Program

All BBHN-MESH node routers are assigned fixed IP addresses which are like "phone numbers"; when TeamViewer starts, it displays your IP address, a randomly generated password (not used) and Personal Password (masked).

You enter the IP address of the remote computer that's running TeamViewer, select either remote control or file transfer and click **Connect to partner**. You'll be asked for the password and then connected, unless you get the above "Unable to connect" or some other error message. Once connected, start experimenting!



One great TeamViewer use is doing software maintenance on remote MESH node computers without having to be there! If this is the case, remember to set TeamViewer to restart with Windows if doing remote reboots on purpose or by accident!

TeamViewer Host

If you are administrating a number of remote computers, you may only want access through one local computer (yours) but not from the remotes. In this case, you can download and install the TeamViewer host program on each remote computer (the TeamViewer website refers). The host program starts automatically and runs in the background every time the remote computer is powered up or rebooted.

My Final

Well, that's it! You probably took longer to read this tutorial than to actually setup and run TeamViewer. The firewall setting should be the only issue and is easy to fix. Otherwise, if you enter the correct remote TeamViewer IP address and password—you'll be good to go.

My contact email is: va3rom@gmail.com and I'll try to help if you do have any problems.—73