

## Cascade Software Installation Overview

This document contains a summary of how to install and activate the Cascade software, configure Windows for an optimal user experience, and optionally connect to a CadLink Server. If the computers were purchased from Cadwell, the software is already installed and configured.

If more than one Cascade Surgical Studio system will be existing on the same network, it is strongly advised that a CadLink Server is part of the configuration. The CadLink Server is used to connect multiple Cascade systems together with centralized storage and management of patient data, reports, users, and settings. It also provides an easy way to find and connect to active cases for remote monitoring.

## Installing Cascade Surgical Studio Software

*These steps are only necessary if you did not purchase a Cadwell PC to run Cascade Surgical Studio.*

1. Ensure that your PC meets the minimum computer requirements. See the Cascade Surgical Studio System Configuration (PN 369050-623) document for details.
2. Browse to the installer location and run "Cascade Surgical Studio [version] Setup.exe" (for example, "Cascade Surgical Studio 3.4 Setup.exe").
3. Follow the installation process.
4. Congratulations! The Cascade Surgical Studio software is installed. You can repeat the same steps on any additional Cascade computers. To use the application, double-click on the Cascade Surgical Studio icon on the desktop. The default password for the admin user is admin.

## Third Party Applications

Installing and running third party applications on a computer running Cascade software may cause undesirable results with Cascade medical equipment. It is impossible for medical equipment manufacturers to test every possible combination of software that might be loaded onto a device. Only install applications that are absolutely necessary on your Cascade systems.

## Warning About Downgrading Firmware

If downgrading firmware on a Cascade Pro or Elite from software version 3.0 or higher to a 2.5 or earlier software release, you must downgrade the firmware in a step-wise fashion, going to software version 2.7 before going to 2.5 or earlier.

## Activating Cascade Surgical Studio Software

Upon running Cascade Surgical Studio for the first time, you will be asked to enter a trial mode or activate the software. To activate a free 60-day trial of all features, select "Enter Trial Mode". To activate the purchased features, select "Activate the Software" which produces the two following options:

- If the computer has current access to the internet, select "Activate Online". Enter the License ID which can be found on the installation CD. Enter a description of the computer and select "Continue". The software will automatically unlock with the features that were purchased and assigned to the previously entered License ID.

- If the computer does not have an internet connection, select “Activate by Phone”. Enter the License ID for that system which can be found on the installation CD and select “Continue”. Follow the remaining on-screen instructions to unlock the features that were purchased and assigned to the previously entered License ID.

Upon expiration of the free 60-day trial, the software will need to be activated with a license to continue operation. If one or more features under trial are about to expire, a courtesy reminder is given to the user. Clicking the question mark button in the top-right corner of Cascade Surgical Studio and selecting “Product Licensing...” displays the license state for all features.

## Connecting to a CadLink Server

If more than one Cascade Surgical Studio system will be existing on the same network, it is strongly advised that a CadLink Server is part of the configuration. For details on installing and configuring a CadLink Server, please reference the CadLink Server Installation Instructions (PN 369044-934). In order to have Cascade Surgical Studio communicating with a CadLink Server, the CadLink Client on the system must be configured to point to that server.

1. Open the CadLink Client Control Panel by clicking on blue checkmark icon in the task tray.
2. Click “Settings”.
3. Check the box that says “Using CadLink Server”.
4. Enter the server name. The server port can be left as the default unless IT changed it.
5. Select “OK” to connect and synchronize with the CadLink Server. Once the client is connected to the server and fully up-to-date, the CadLink Client Control Panel icon in the task tray should become a green checkmark. This process may take several minutes.

## Configuring Windows for Cascade Software

*These steps are only necessary if you did not purchase a Cadwell PC to run Cascade Surgical Studio.*

### Disable Screensaver

1. Open the Windows start menu, search for “screensaver”, and run “Turn screen saver on or off”.
2. Set screen saver to “(None)” and click “OK”.

### PC Power Settings

1. Open the Windows start menu, search for “power options”, and run “Power Options”.
2. Select “High Performance”. You may need to expand “Show additional plans” to see this option.
3. Click “Change plan settings” under “High Performance”.
4. Set “Turn off the display” to “Never”.
5. Set “Put the computer to sleep” to “Never”.
6. Click “Change advanced power settings”.
7. Under “PCI Express”, under “Link State Power Management”, change the setting to “Off”.
8. Click OK to back out of all windows.

## Network Card for Cascade 16, Pro, and Elite

*These steps are only necessary if you are using a Cascade 16, Pro, or Elite.*

1. Click the desktop start menu, and then click "Control Panel".
2. View the options by Category.
3. Under Network and Internet, select "View network status and tasks".
4. In the left toolbar, click "Change adapter settings".
5. Right-click on the LAN or high-speed internet connection that will be used to communicate with the Cascade 16, Pro, or Elite base unit, and then select "Properties".
6. The Properties window will open.
  - a. Uncheck all protocols in the list except for the Internet Protocol Version 4 (TCP/IPv4).
  - b. Double-click the Internet Protocol Version 4 (TCP/IPv4).
    - i. Select "Use the following IP address".
    - ii. Input the default Cadwell IP address: 192.168.113.66 and the Subnet Mask: 255.255.255.0
    - iii. Click the Advanced... button on the bottom right of the window.
    - iv. Click on the WINS tab at the top of the window.
      1. Un-check the box next to "Enable LMHOSTS lookup".
      2. In the NetBIOS section, click "Disable NetBIOS over TCP/IP".
      3. Click the OK button.
    - v. Click the OK button.
  - c. Click the OK button.
7. Click on the "Configure" button in the upper-right corner.
  - a. Click on the "Advanced" tab, select "Speed & Duplex", and then select "10 Mbps Full Duplex" from the drop down value list on the right. "Speed & Duplex" might also be displayed as "Media Type", "Connection Type", or "Link Speed & Duplex". Some systems may have a completely separate "Link Speed" tab.
  - b. Click on the "Power Management" tab and deselect "Allow the computer to turn off this device to save power". Note that not all network cards will have a power management tab.
8. Close the network connections window.