CODONICS

en

Infinity®C Reference Guide

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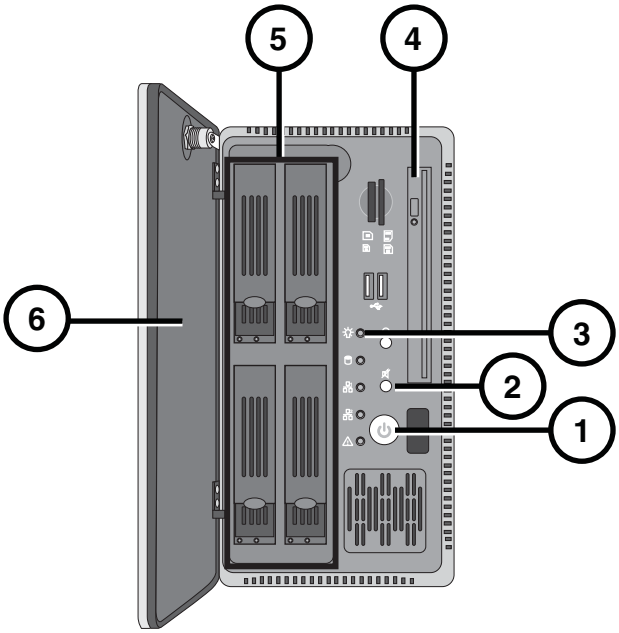
Components

Unpacked Components

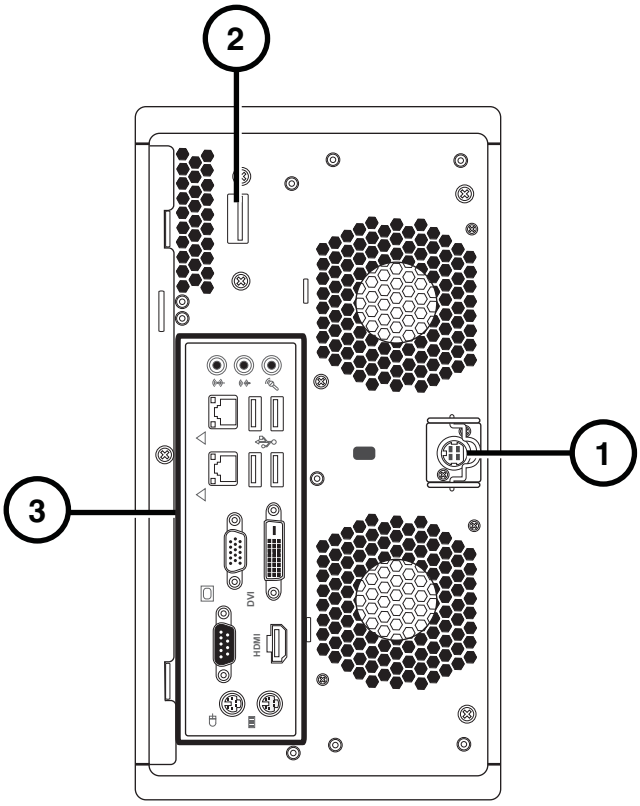
1. Main chassis
2. Main chassis key
3. AC power adapter
4. AC power cord
5. Ethernet cable
6. SmartDrive
7. Installation disc
8. User's Manual disc
9. Documentation

Main Chassis Front

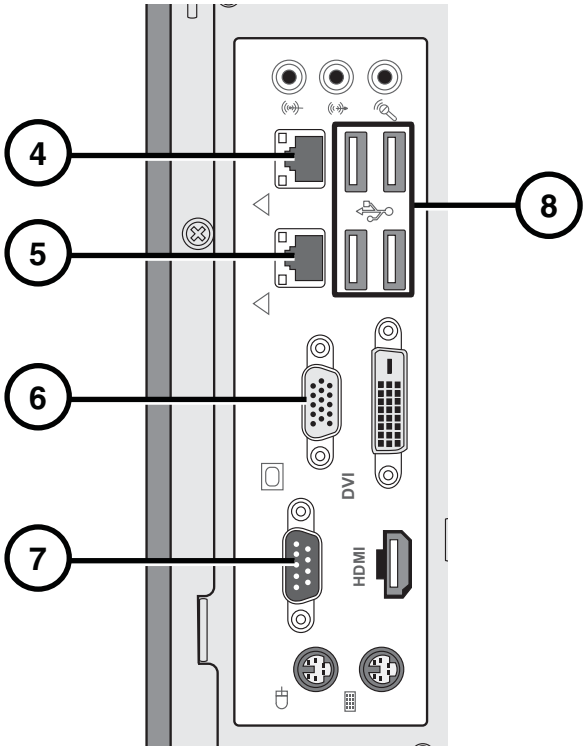


1. **Power button**
2. **Mute button**
3. **Status lights**
4. **Disc drive**
5. **Hard drives**
6. **Front door**

Main Chassis Rear



1. **Power connector**
2. **Serial Attached SCSI (SAS) port**
3. **Connector panel**



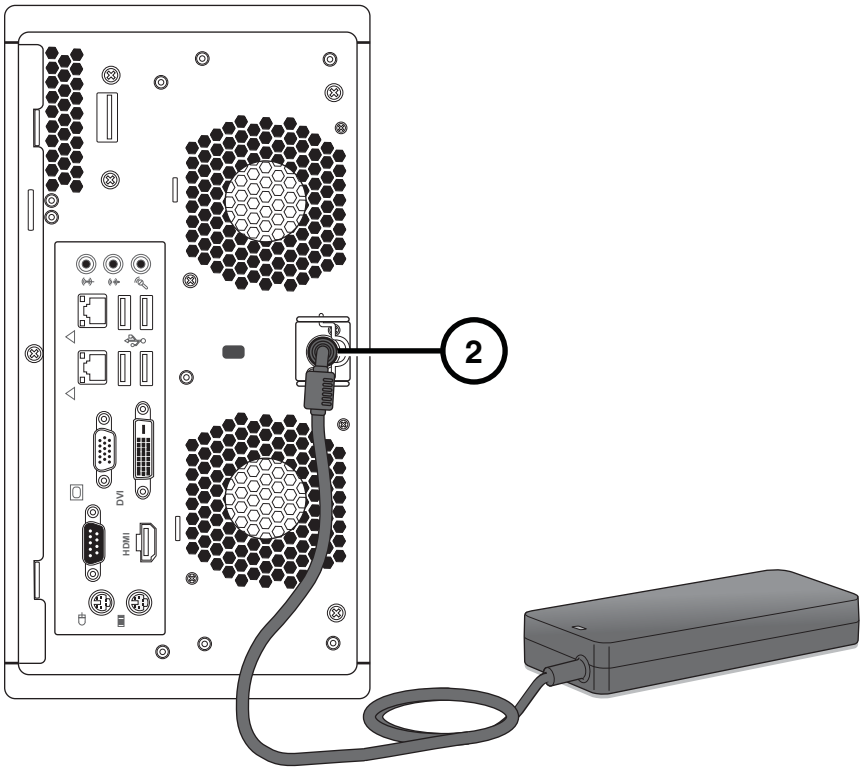
4. **Ethernet port 1**
5. **Ethernet port 2 (not used)**
6. **VGA port**
7. **Serial port**
8. **USB 2.0 ports**

Hardware Setup

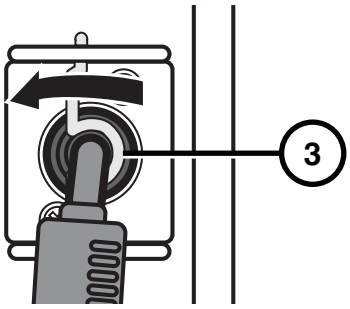
CAUTION: Incorrect installation can result in system damage or loss of data. Users not trained in computer hardware installation, network setup or DICOM configuration should seek professional assistance.

Power, Ethernet, and SmartDrive

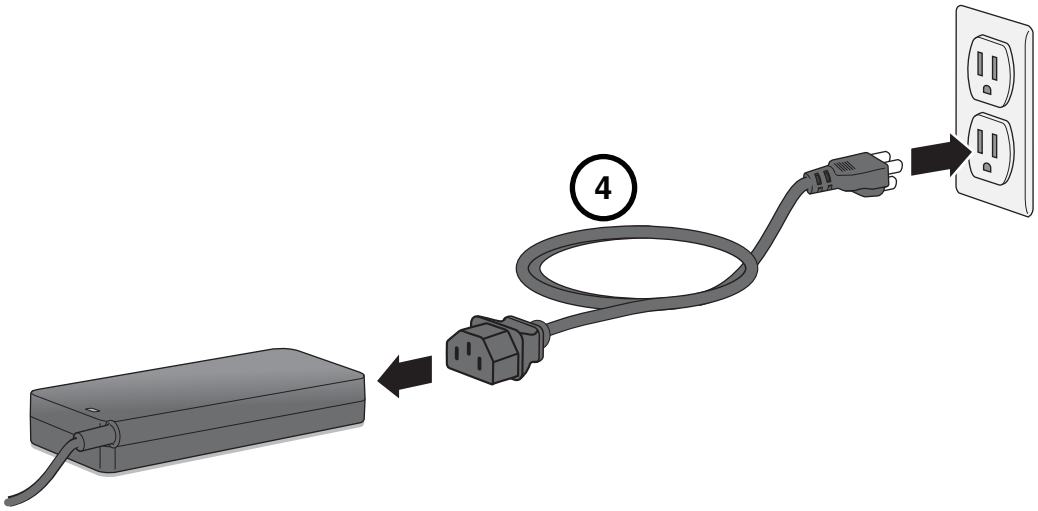
1. **Place the main chassis on a solid level surface.**



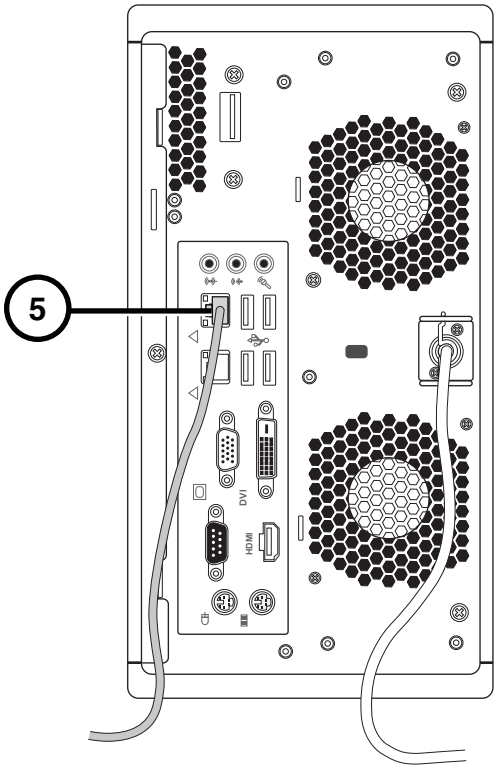
2. **Connect the power cord from the AC adapter.**



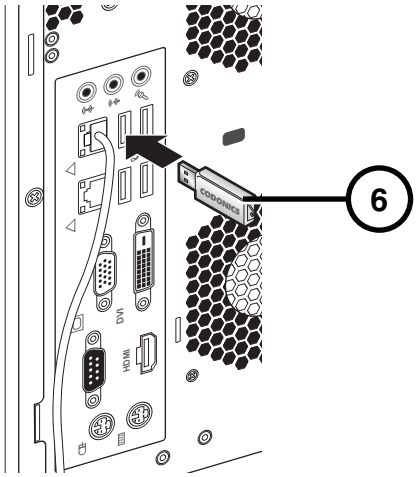
3. **Secure the power cord with the clip.**



4. **Connect the AC power cord to the AC adapter and to a power outlet or uninterruptible power supply (UPS, optional).**

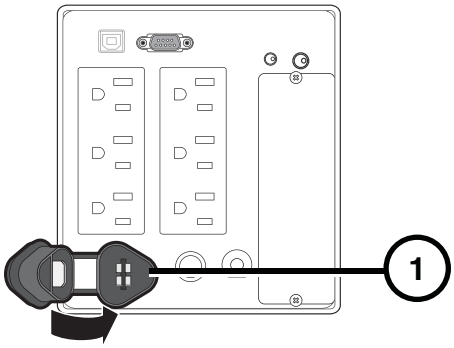


5. **Connect the Ethernet cable to Ethernet port 1 (top RJ-45 port).**

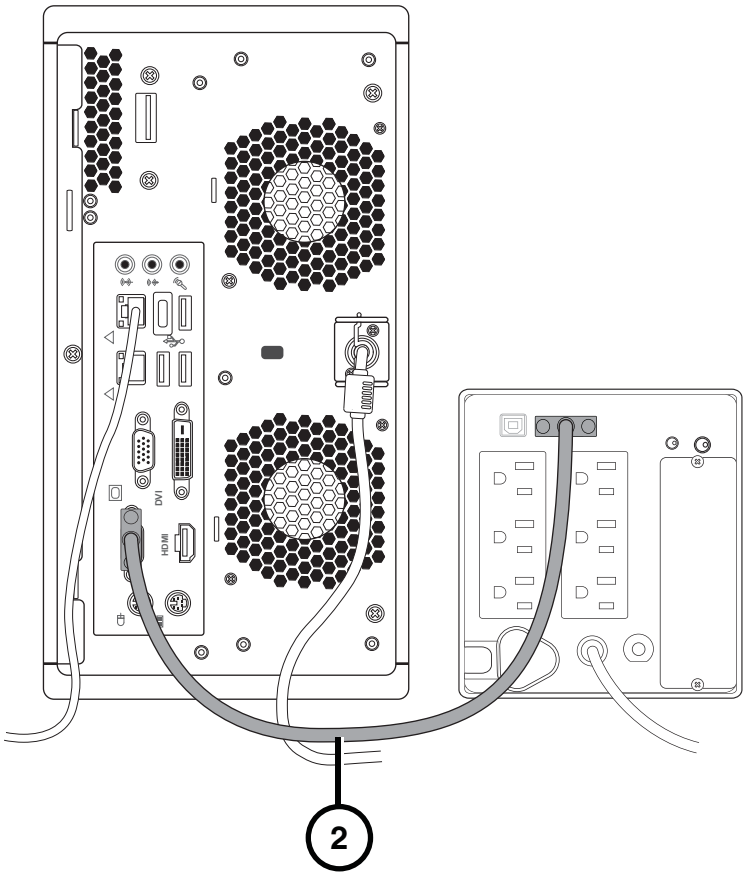


6. **Insert the SmartDrive. Optionally program the SmartDrive; refer to SmartDrive Configuration on p. 12.**

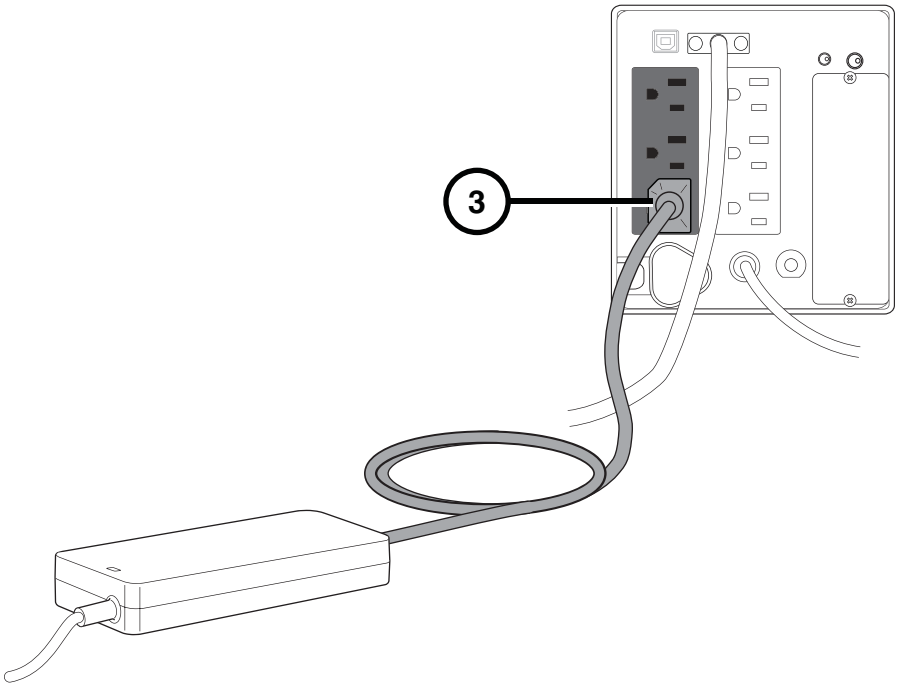
UPS (Accessory)



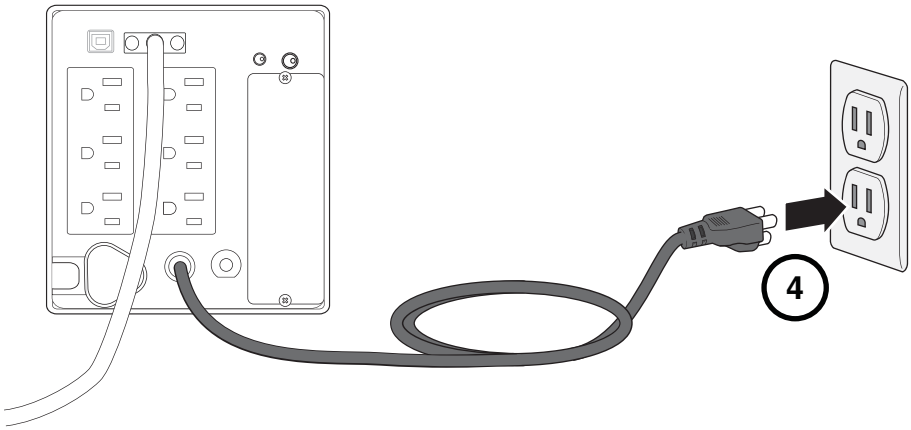
1. **Insert the battery plug.**



2. **Connect the serial cable to the UPS and to the serial port on the main chassis rear.**

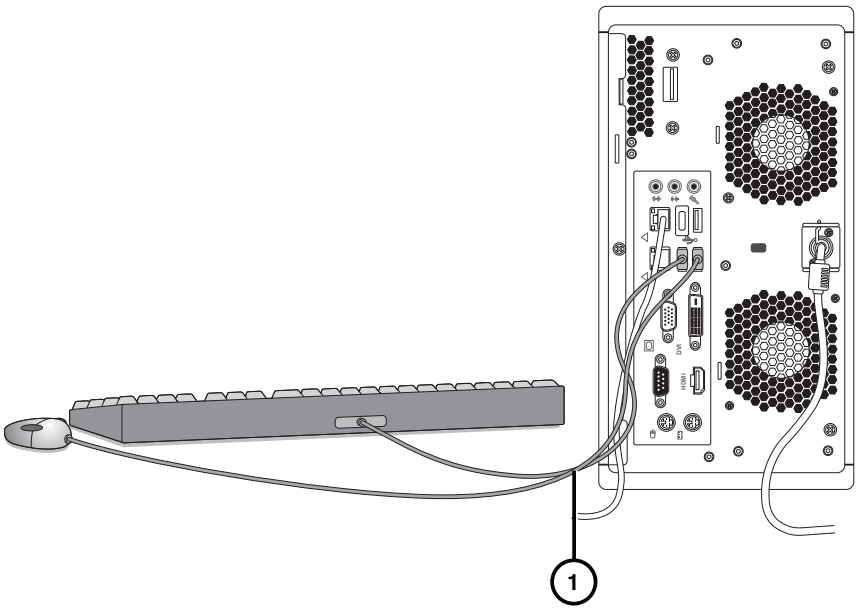


3. **Connect the AC power cord to the UPS.**

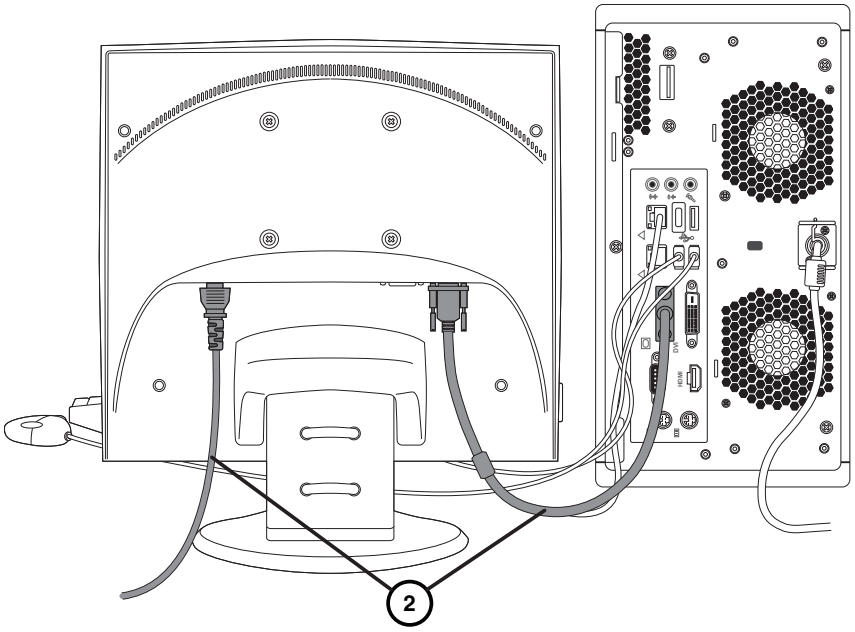


4. **Connect the UPS power cord to a power outlet.**

Monitor, Keyboard, and Mouse (Optional)



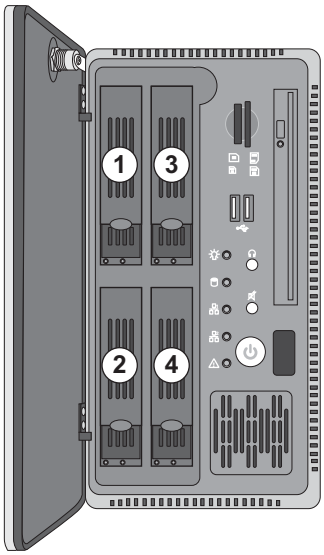
1. Connect the keyboard and mouse.



2. Connect the monitor.

NOTE: It is recommended that the monitor power cord be connected to the same outlet as the main chassis or UPS power cord.

Hard Drive Installation

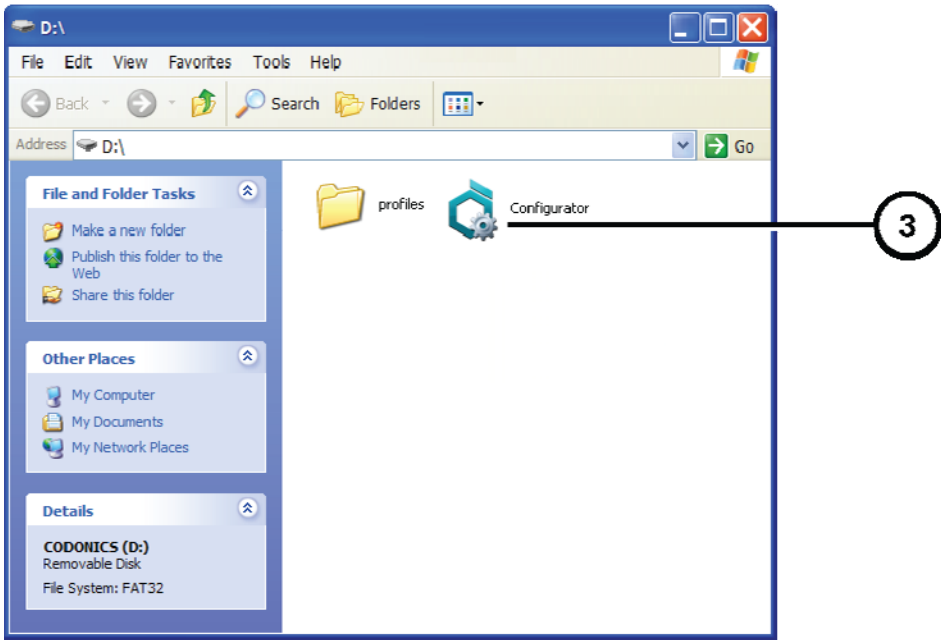


Hard drives are factory installed in the order shown.

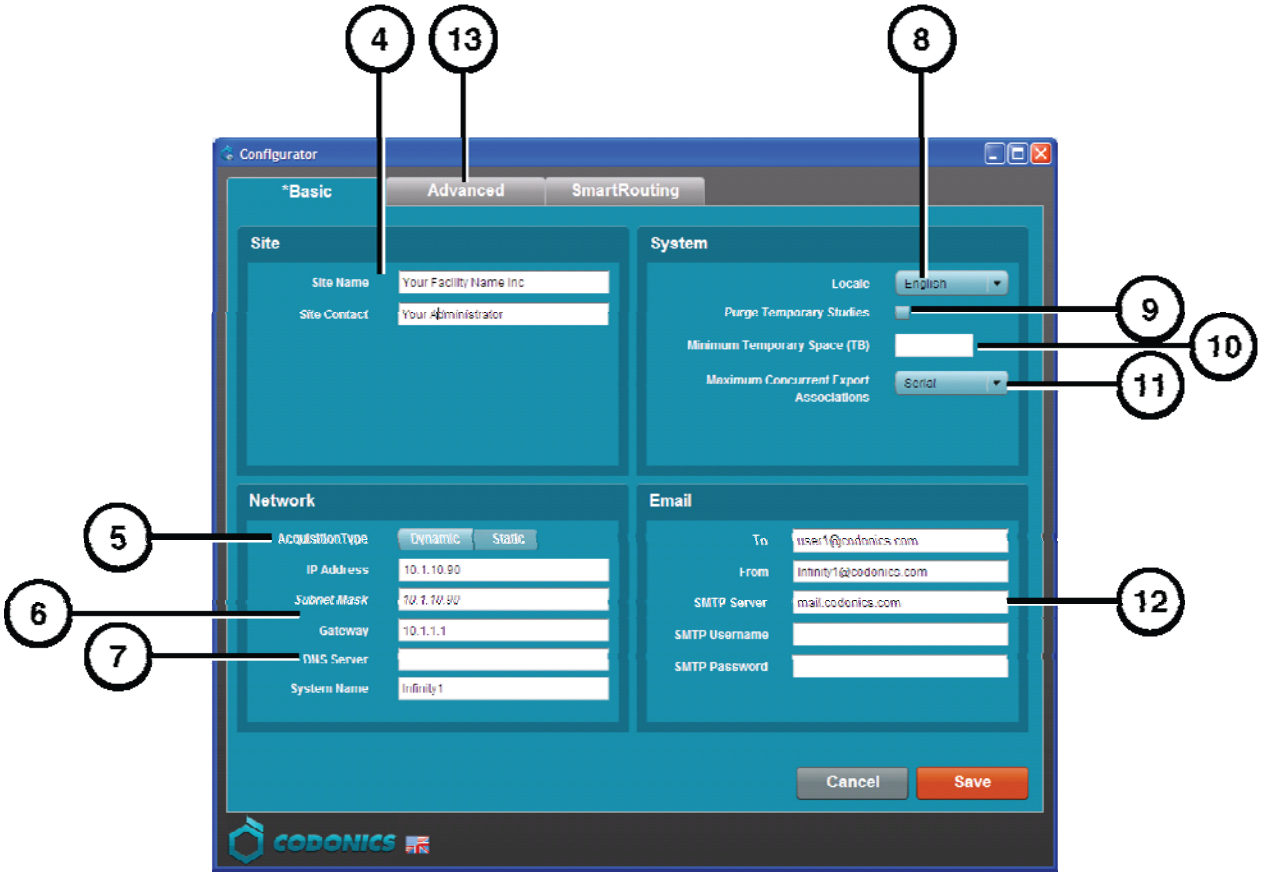
SmartDrive Configuration

CAUTION: Do not reconfigure or modify the software except as described in configuration tasks documented in this manual.

1. **Remove the SmartDrive from the main chassis.**
2. **Connect the SmartDrive to a PC.**

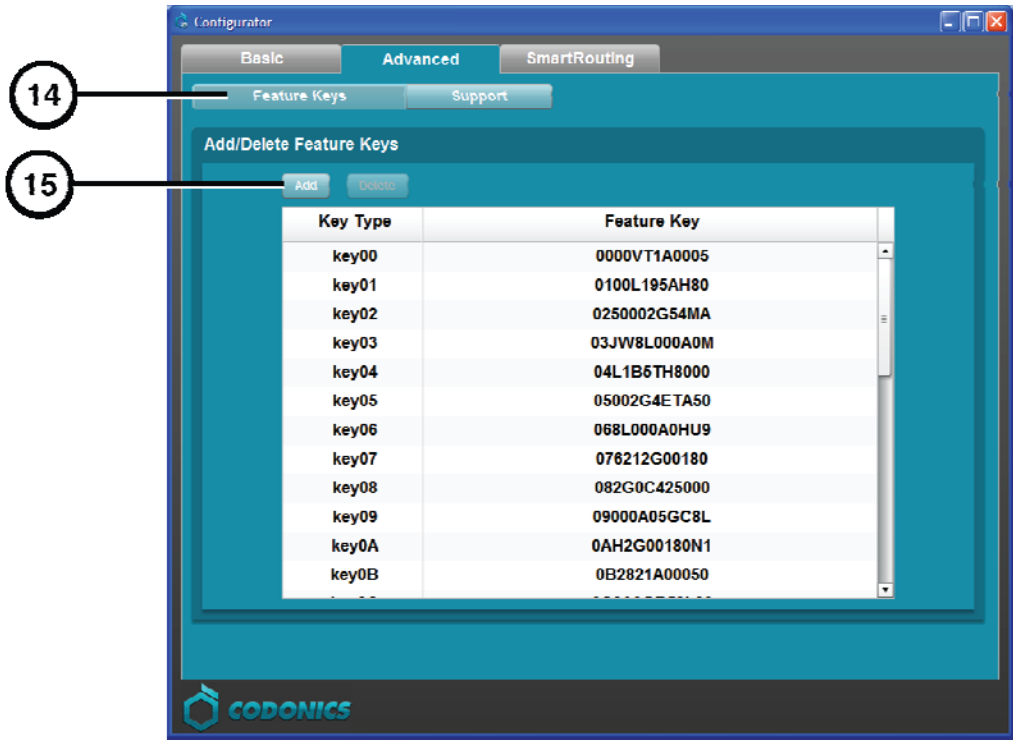


3. **Run Configurator.exe.**



4. **Enter the site name and site contact.**
5. **Select Dynamic or Static for the IP address Acquisition Type.**
6. **If Static was selected, enter the system IP address and other network settings. Make sure no spaces are in the System Name entry.**

   NOTE: The Gateway IP address cannot be set to 0.0.0.0.
7. **A DNS Server entry is required for remote LogMeIn support.**
8. **Select a locale.**
9. **Select the Purge Temporary Studies option if you want temporary studies to be automatically deleted when the system reaches 95% full.**
10. **If you want to set aside a minimum amount of temporary space, enter an amount in tenths of a TB in the Minimum Temporary Space field.**
11. **Select a level of concurrent associations you want the system to try to use if exporting or SmartRouting studies. Options are Serial (One at a time), Low (Two to Three), Medium (Four to Five), High (Six to Seven).**
12. **Enter the e-mail server information for system messages.**
13. **To manage Feature Keys, click the Advanced tab.**

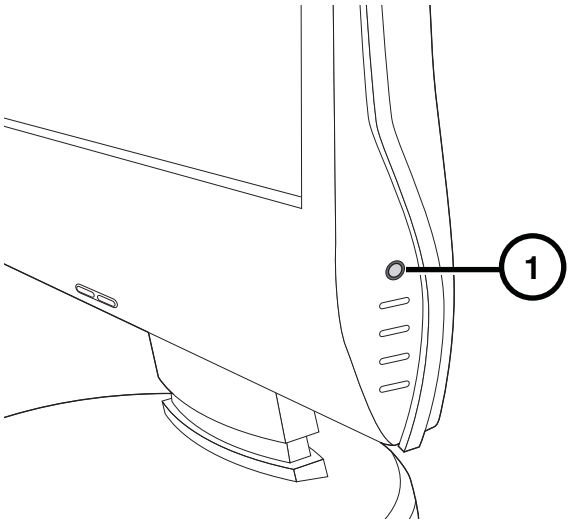


14. **Click the Feature Keys subtab.**
15. **To add a feature key, click the Add button.**

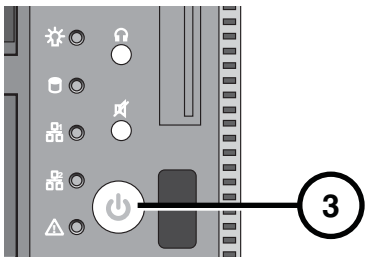
16. **Enter the Feature key.**
17. **Click the OK button.**

    NOTE: For information about the SmartRouting features, refer to the Infinity SmartRouting Reference Guide.
18. **Return to the Basic tab.**
19. **Click the Save button and close the window.**
20. **Disconnect the SmartDrive from the PC.**
21. **Insert the SmartDrive in the main chassis.**

Startup



1. **If there is a monitor installed, press the monitor power button.**
2. **If there is a UPS, power on the UPS.**



3. **Press the main chassis power button.**

4. **Wait five minutes for startup to complete, indicated by six audible beeps.**
5. **If there is no local monitor, refer to “Login Using Remote Desktop” on p. 16.**

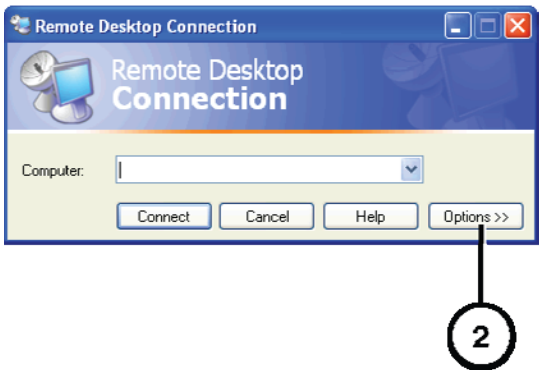
   If there is a local monitor installed, refer to “Login Using Local Monitor” on p. 18.

Login

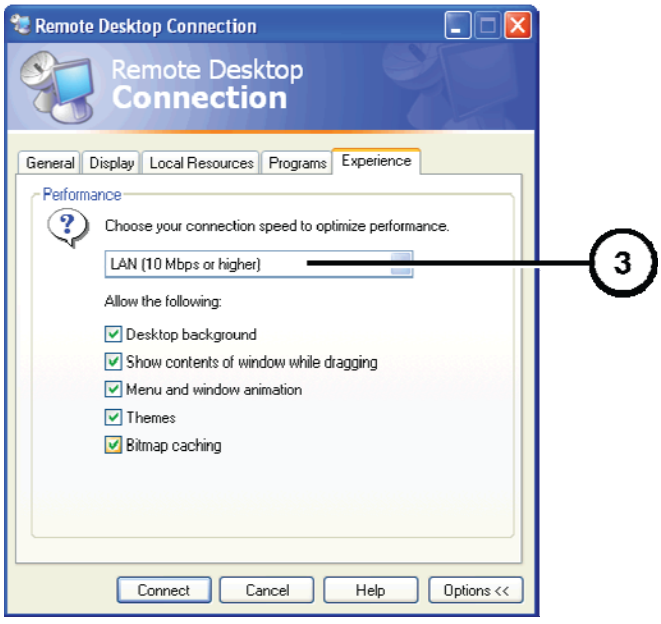
Login Using Remote Desktop

1. **From a PC on the network or a PC connected to the system using an Ethernet crossover cable, start the Windows Remote Desktop Connection application.**

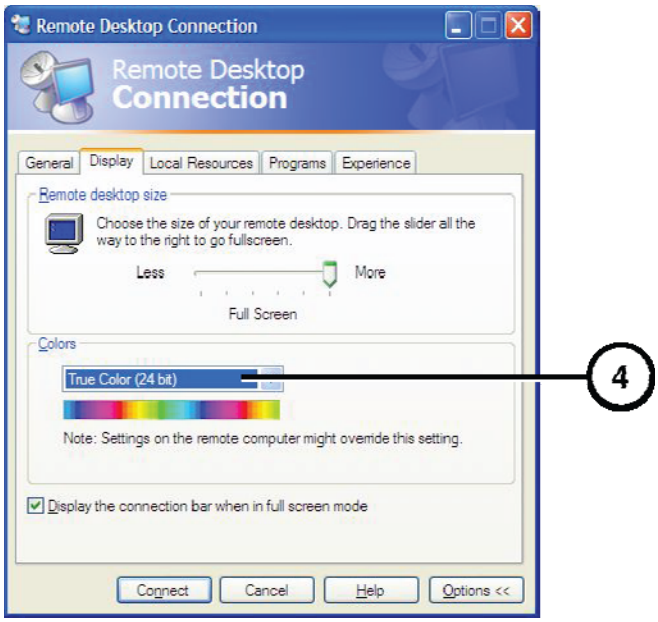
   NOTE: If the PC does not have the Remote Desktop Connection application, download the application from the Microsoft Windows website.



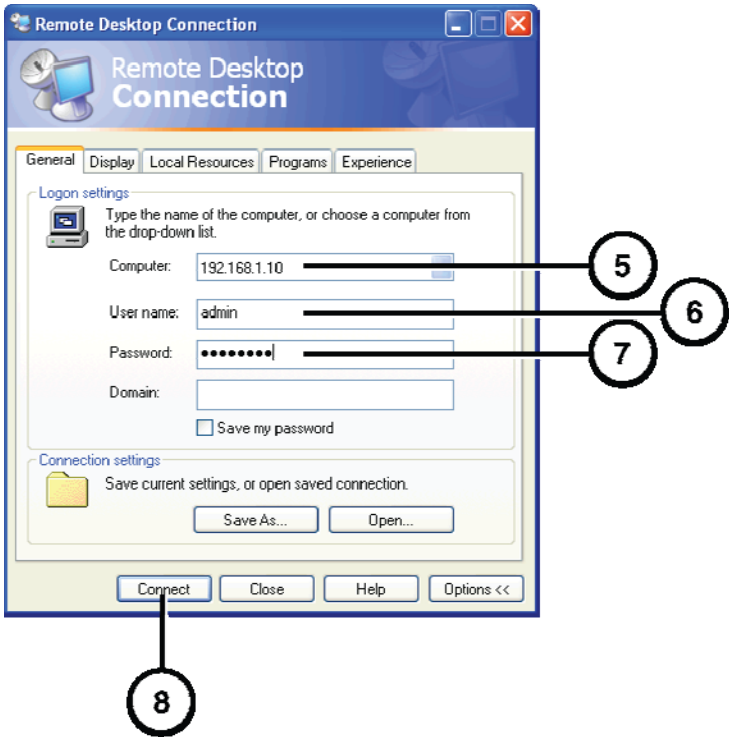
2. **Click the Options button.**



3. **On the Experience tab, change the connection speed to LAN (10Mbps or higher).**



4. **On the Display tab, change the Color to True Color 24-bit or True Color 32-bit.**

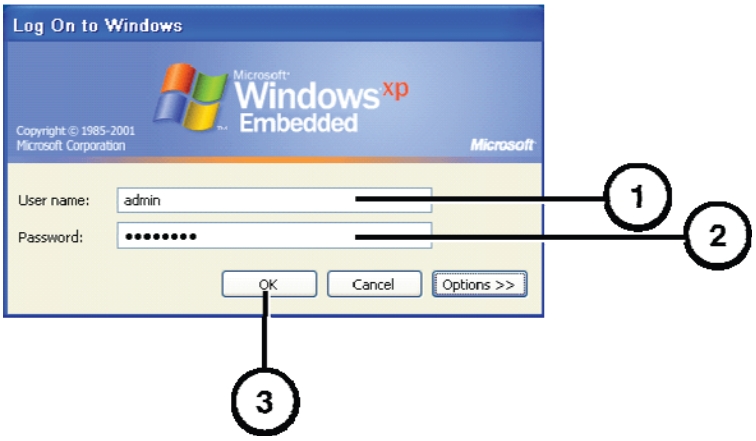


5. **On the General tab, enter the system IP address.**
6. **Enter the administrator user name — admin.**
7. **Enter the administrator password (the default is “codonics”).**
8. **Click the Connect button.**

NOTE: Only one user can use Remote Desktop at a time. If a second user connects to Infinity with Remote Desktop, the first user will be logged out.

CAUTION: When shutting down a PC connected to Infinity C with a Remote Desktop Connection, make sure that you are not actually shutting down Infinity C. Doing so could inadvertently disconnect other Infinity C users or interrupt drive recovery operations, resulting in data loss.

Login Using Local Monitor



1. **At the Windows login, enter the administrator user name — admin.**
2. **Enter the administrator password (the default is “codonics”).**
3. **Click the OK button.**

System Configuration

CAUTION: Users not trained in network setup or DICOM configuration should seek professional assistance.

CAUTION: Do not reconfigure or modify the software except as documented in this manual.

Users

The system includes three user logins: **admin**, **manager**, and **operator**. The initial password for all three is **codonics**. To change the passwords, refer to the Infinity C User's Manual.

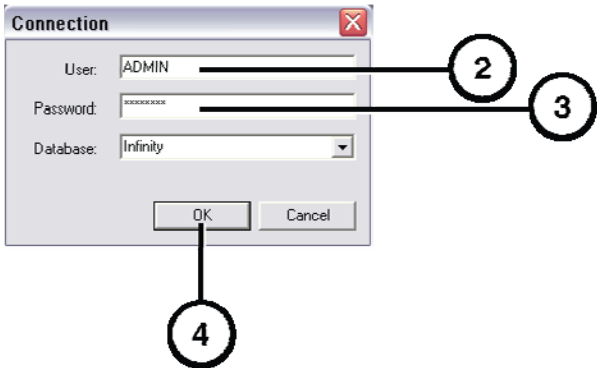
Date and Time

Use the **Windows Control Panel** to set the date and time for the system.

DICOM Setup

Allowing Access by DICOM Stations

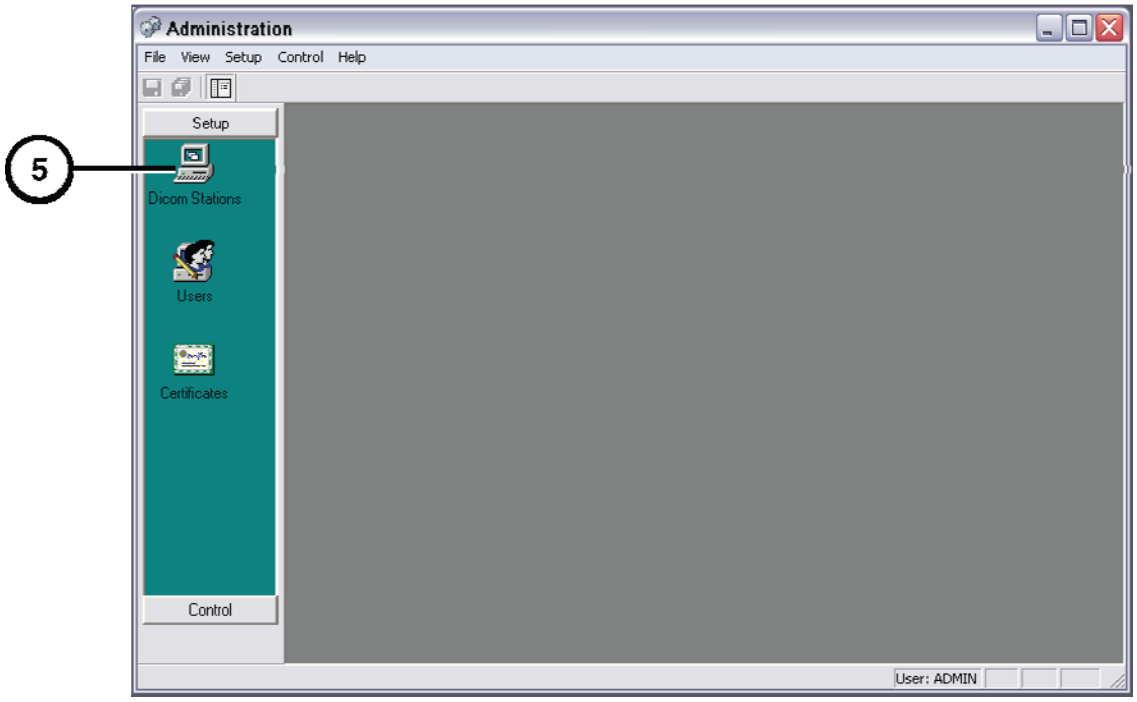
1. **Run the Administration tool.**



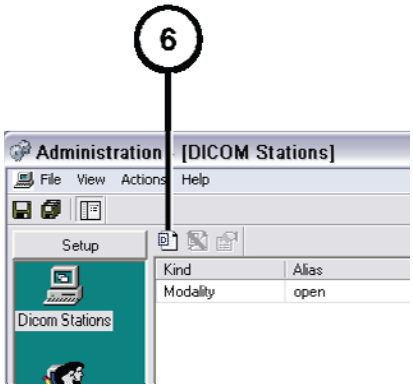
2. **At the login, enter the administrator user name — admin.**

   NOTE: Entries in the User field are converted to uppercase automatically.

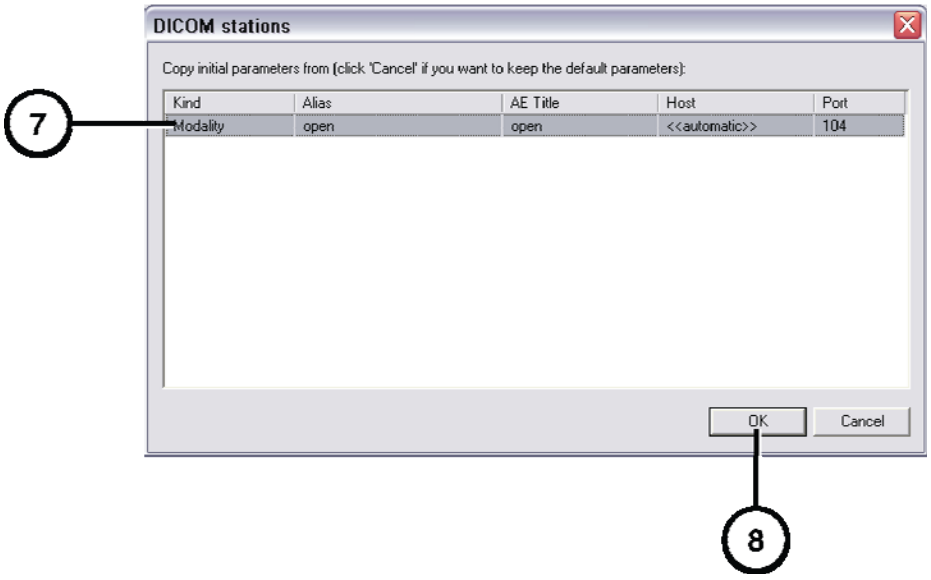
3. **Enter the administrator password (the default is “codonics”).**
4. **Click the OK button.**



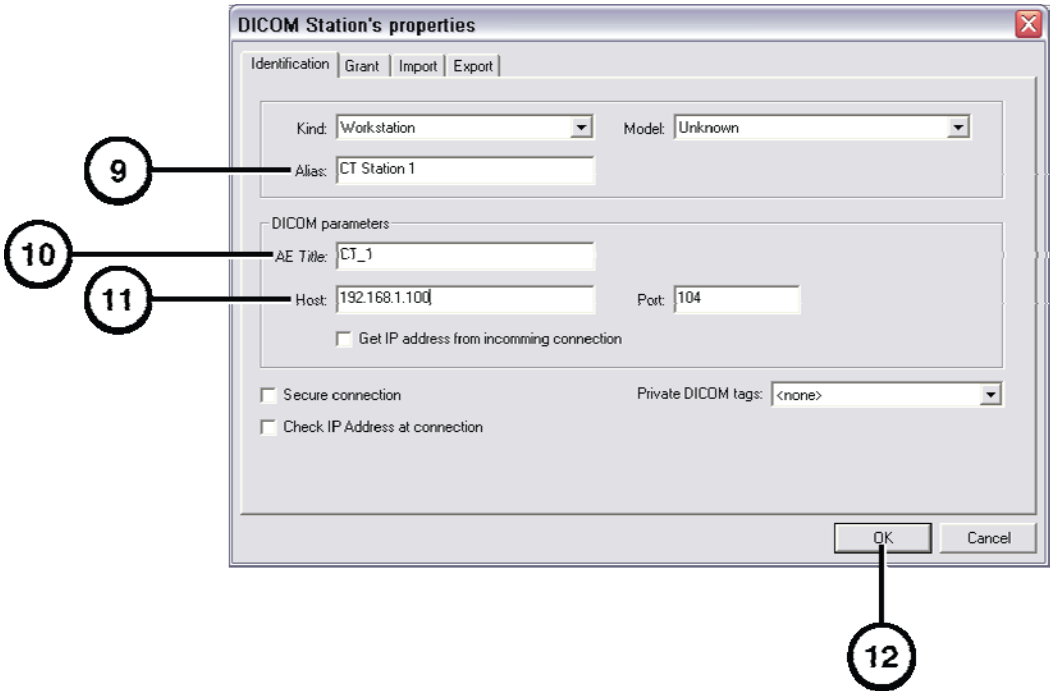
5. **Click DICOM Stations.**



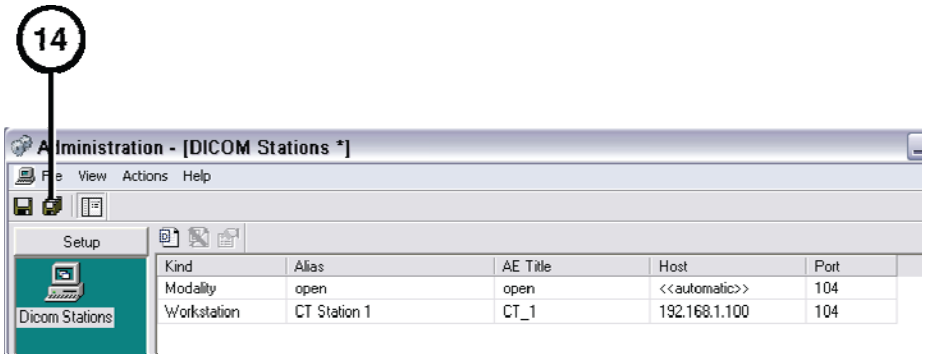
6. **Click the Add button.**



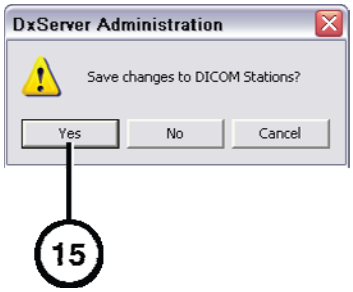
7. **Select the preconfigured station.**
8. **Click the OK button.**



9. **Enter an alias name for the station.**
10. **Enter the station's Calling AE Title.**
11. **Enter the station's host name or IP address.**
12. **Click OK.**
13. **Add other stations as needed.**



14. **When all stations have been added, click the Save All button.**



15. **Click the Yes button.**

Host Settings for Storing DICOM Studies

Called AE Title	TCP Port	Description
temp	104	Place studies in temporary storage.
perm	104	Place studies in permanent storage.

NOTE: The temp and perm Called AE Titles are default host settings and must be lower case to work properly.

Testing Store and Retrieve

Store and retrieve operations should be tested before making Infinity C available for general use. This entails storing a study from a DICOM station, opening Study Manager on Infinity C to verify that the study was received, then retrieving the study from the DICOM station. For more information, refer to the Infinity C User's Manual.

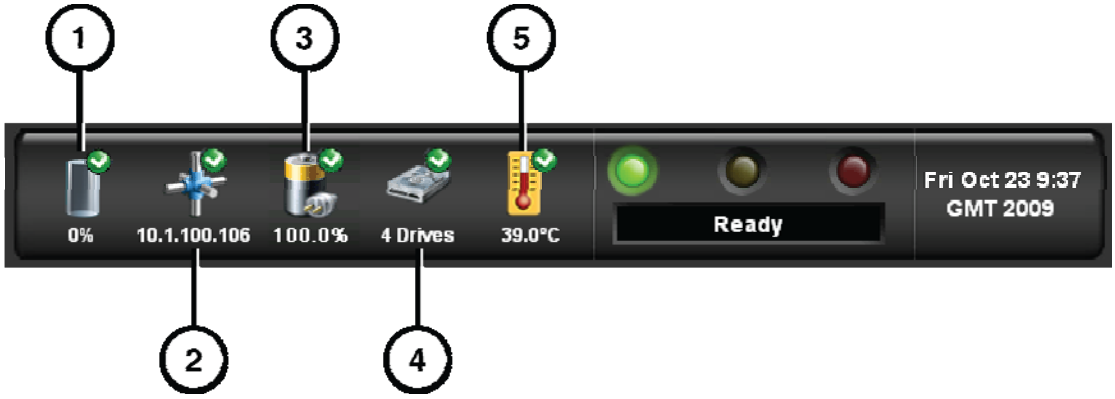
Monitoring Status

Detailed Status Information

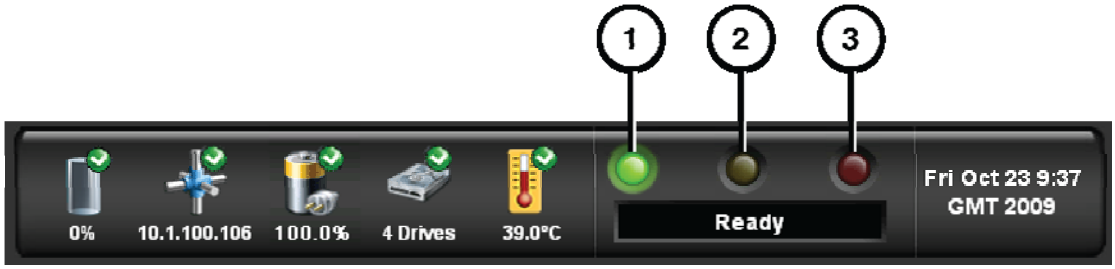
1. **Open the System Status Tool.**

2. **Click branches in the component tree to display status details.**

Dashboard Status Information

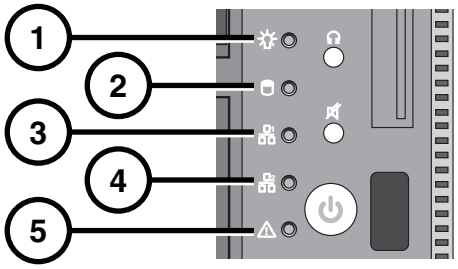


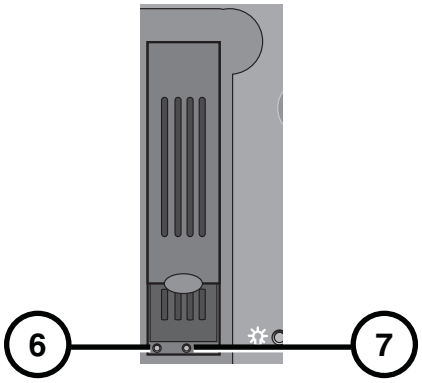
1. **Storage capacity used**
2. **Network**
3. **UPS**
4. **Hard drives**
5. **System temperature**



1. **Processing status: Infinity C is ready to process or is processing requests.**
2. **Alert condition: Infinity C can still process jobs but requires user attention.**
3. **Fault condition: Infinity C cannot process jobs and requires user attention.**

Front Panel Status Lights





1. **Power**
2. **Hard drive activity**
3. **Network 1 activity (not used)**
4. **Network 2 activity (not used)**
5. **Not used**
6. **Hard drive status**
7. **Hard drive power**

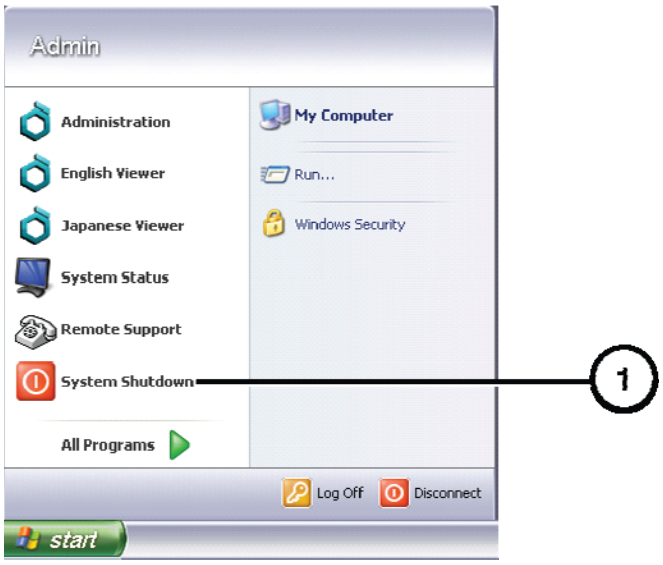
Status Light	Indication
Power	Blue: Power on
Hard drive activity	Flashing amber: Hard drive activity
Hard drive power	Blue: Power on
Hard drive status	Off: No disk activity Green: Disk activity Red: Hard drive fault

Troubleshooting

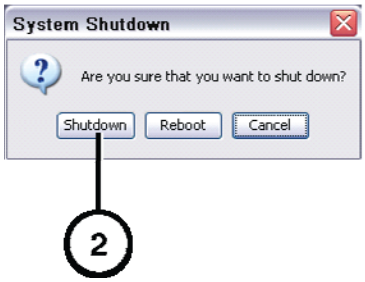
Problem	Solution
Startup fails.	Check the power connection to back panel of Infinity C. Check the UPS. Verify the AC power cable is connected to the AC adapter and AC outlet. Verify the AC adapter LED is on. Verify that the SmartDrive is connected.
Login fails.	Verify the user name. Verify the password case (upper case and lower case).
Network not responding.	Check the system IP address and other network settings. Verify that the network cable is connected to Ethernet port 1 (upper Ethernet port). Verify that the SmartDrive is connected.
DICOM station cannot connect.	Check all IP addresses and other network settings. Check the AE Title and DICOM port in the Administration tool. Ping the system from the DICOM station. Verify that the network cable is connected to Ethernet port 1 (upper Ethernet port). Verify that the SmartDrive is connected.
One hard drive status light is red.	Replace the hard drive.
Multiple hard drive status lights are red.	Contact Codonics Technical Support. Phone: +1-440-243-1198 Toll Free: 800-444-1198 (USA only) E-mail: support@codonics.com
Power supply module has failed.	Replace the power supply module.
System responses are slow.	Wait for jobs to complete. Check the status lights.
The system shuts down unexpectedly.	Make sure you did not inadvertently shut down the system from the Remote Desktop Connection application. If you did, restart Infinity C and check its status using the System Status tool. For additional assistance, contact Codonics Technical Support.
A specific Windows application cannot be found.	Make sure that you are searching from your normal Windows desktop and not from the remote desktop.
System performance is slow.	Check System Status web page for possible problem. Set PDU size to maximum of 128 KB on the Query/Retrieve client and Store client.

NOTE: For additional troubleshooting issues, refer to the Infinity C User's Manual.

Shutdown



1. **In the Start menu of the remote desktop or local monitor, select System Shutdown.**



2. **Click the Shutdown button.**

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