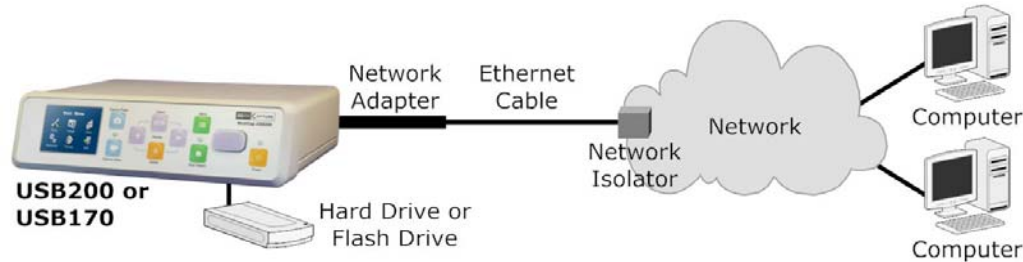


How to Connect the MediCap[®] USB200 or USB170 to a Windows Computer on a Network

You can connect the MediCap USB200 or USB170¹ to a network by using an adapter which is available from MediCapture. Configuring the connection requires knowledge of computer networks. It is recommended that you contact a computer professional to set up your network.

When you connect the MediCap to a network, you can access the unit's USB drive from Windows computers that are also connected to the network. The MediCap's drive will be displayed on the computer just like any other drive. You can then "drag and drop" recorded videos and images from the MediCap's drive onto the computer's drive.



Supported Windows Editions

The following editions of Windows are supported for connecting with a MediCap (all service packs and updates must be applied to ensure that the edition is current):

- Windows XP Professional
- Windows Vista Business, Windows Vista Enterprise, Windows Vista Ultimate
- Windows 7 Professional, Windows 7 Enterprise, Windows 7 Ultimate

The non-professional versions of Windows (Home, Basic and Starter) are not supported for network connections to the MediCap. These editions are not designed for professional environments such as medical facilities and lack essential network features for connecting to network attached storage (NAS) devices. Specifically, they do not include the Local Security Policy tool that is required when connecting to NAS devices.

Networking Notes

- When connecting medical equipment to a network, regulations often require a "network isolator." Check with a computer professional at your site to ensure that a network isolator is already in place or request that one be installed.
- To use the network feature, the MediCap must be loaded with the proper firmware. To check this, after you connect the network adapter to the back panel, press the Menu button on the front panel and go to the Advanced menu. If the Network Setup option is displayed, your unit has the proper firmware (this option will only be displayed if your unit has the proper firmware and a network adapter is plugged in the back panel). If the Network Setup option is not displayed, you will need to contact MediCapture technical support for instructions on how to perform a firmware upgrade.
- Once you have mapped the MediCap's drive to your computer, you can view the images and videos on the drive from your computer. However, note that on slow networks you may experience delays, or videos may start and stop during playback. For this reason, it is recommended that you "drag and drop" your videos across the network so they reside on your local hard drive and then view them from there.
- Video and images cannot be recorded "across the network" onto a remote drive. They can only be recorded onto a USB drive that is plugged into the front or back panel.

¹ The MediCap USB170 records still images. The MediCap USB200 records still images and video clips.

Getting Started

To configure your network, follow these basic steps:

1. Connect the MediCap to your network. To do so, locate the network adapter you obtained from MediCapture. It is a short cable that has a USB connector at one end and an ethernet jack at the other end. Plug the adapter's USB connector into one of the USB ports on the **back** of the MediCap. Plug an ethernet cable into the adapter's ethernet jack. Connect this ethernet cable to your network.
2. Ensure the MediCap is on and that a USB flash drive or USB hard drive is plugged into the front or back panel.
3. Plug a USB keyboard into one of the USB connectors on the **back** panel (the keyboard is used to enter configuration information).
4. Configure the network connection on the MediCap (see the next section).
5. Configure the network connection on the computers that you want to connect with the MediCap (see the section that applies to your version of Windows later in this document).

How to Configure the Network Connection on the MediCap

1. Press the Menu button on the front panel, then use the arrow buttons to go to "Advanced" and press the Select button. This will display the Advanced Menu.
2. Select "Network Setup." In the Network Setup screen:
 - Enter a Machine Name. The default is *USB200* or *USB170* depending on the model.
 - Enter a password if you want to password protect the MediCap, otherwise leave this field blank.
Note: If you plan to also connect Mac computers to the MediCap, you cannot use a password; you must leave this field blank. This is due to limitations in the Mac operating system. Please refer to the document titled *How to Connect the MediCap USB200 or USB170 to a Mac Computer on a Network* which is available at www.medicapture.com in the Support section.
 - Select "Auto" in the IP Setup field. **Note:** The "Auto" setting is the best and easiest configuration for most installations. If at the end of these procedures you are unable to connect to the MediCap, you can return to this screen and select the "Manual" setting; then enter an IP address, etc. (consult with a network professional when making these entries).
3. When you finish with the Network Setup screen, highlight "Save" and then press the **Select button or press Enter on the keyboard**. This will save the new settings and exit the Network configuration screen. **Note: If you do not press the Select button or press Enter on the keyboard while "Save" is highlighted, the new settings will not be saved.**

How to Configure the Network Connection on a Windows XP Computer

1. Ensure that you are using Windows XP Professional edition. Windows XP Home edition is not supported.
2. In the Windows Start menu, select Search. Depending on which version of Windows Search is installed on your computer, you will then see **either** of the following windows:
 - **"Search Results" window** - If the bar at the top of the window displays the title "Search Results," then your computer uses Classic Windows Search and you can proceed to Step 3.
 - **"Windows Desktop Search" window** - If the bar at the top of the window displays the title "Windows Desktop Search," then your computer uses the optional Windows Desktop Search feature. In this case, you must click on the link named "Click here to use Search Companion" which is in the bottom-left corner of the window. This will display additional options. Click on "Computers," then proceed to Step 4.
3. Click the "Computers" link which is towards the bottom on the left. The Search for Computers window will be displayed.

4. In the Computer Name field, enter *USB200* or *USB170* depending on what model you are using (this example assumes you used the default Machine Name in step 2 in the previous section; otherwise enter the alternate name you selected). Click the Search Now button. The MediCap icon should now be displayed in the right panel.
5. Click the MediCap icon. If you configured the MediCap with a password (step 2 in the previous section), the Connect window will now be displayed, otherwise skip to the next step. In the User Name field, enter *USB200* or *USB170* depending on what model you are using (assuming you used the default Machine Name in step 5 above; otherwise enter the alternate name you selected). Also enter the password you previously selected.
6. The icon in the right panel will change to a hard disk drive icon (HDD), indicating that the drive is now connected.
7. RIGHT click on the drive icon and select “Map Network Drive.” The Map Network Drive window will be displayed.
8. Select a letter for the drive from the pull down list. Make sure that the “Reconnect at Login” option is selected. Click Finish. Close the Search window.
9. Now when you access “My Computer” from the Windows Start menu, the MediCap’s internal hard drive will be displayed just like the other drives on your computer. You can click on the drive to view the recorded images and videos it contains. You can then “drag and drop” these files across the network onto your computer’s hard drive or any other drive on the network that you are also connected to (with the necessary access permissions).

How to Configure the Network Connection on a Windows Vista Computer

1. Ensure that you are using one of the following editions of Windows Vista: Business, Enterprise, or Ultimate. The Home Premium, Basic, and Starter editions are not supported.
2. In the Windows Start menu, select “Control Panel,” then “System and Maintenance,” then “Administrative Tools, then “Local Security Policy.”
3. In the directory tree on the left side of the Local Security Policy window, select “Local Policies” and under that select “Security Options.” In the Policy list on the right, double-click “Network Security: LAN Manager authentication level.”
4. In the drop down list, select “Send LM & NTLM - use NTLMv2 session security if negotiated.” Click OK and exit from Administrative Tools.
5. In the Windows Start menu, locate the Start Search field and enter `\\USB200` or `\\USB170` depending on what model you are using. **(the two backslashes are required). Then press Enter to start the search.**

Note 1: You must press Enter to start the search. If Search 4.0 is installed on your computer (it is installed by default with Office 2010), the Windows Start menu will then disappear and the search will proceed in the background with no indication that the search is underway. **You may need to wait several minutes for the search to finish and the Connect window to be displayed (see next step).**

Note 2: This example assumes you used the default Machine Name when you configured networking on the MediCap (page 2), otherwise enter the alternate name you selected, preceded by two backslashes. For example, `\\Endocam1`.

6. If you configured the MediCap with a password (page 2), the Connect window will now be displayed, otherwise skip to the next step. In the User Name field, enter *USB200* or *USB170* (assuming you used the default Machine Name; otherwise enter the alternate name you selected, for example, *Endocam1*). Also enter the password you previously selected.
7. A hard disk drive icon (HDD) will be displayed, indicating that the drive is now connected.
8. RIGHT click on the drive icon and select “Map Network Drive.” The Map Network Drive window will be displayed.
9. Select a letter for the drive from the pull down list. Make sure that the “Reconnect at Login” option is selected. Click Finish. Close the Search window.

10. Now when you access “Computer” from the Windows Start menu, the MediCap’s internal hard drive will be displayed just like the other drives on your computer. You can click on the drive to view the recorded images and videos it contains. You can then “drag and drop” these files across the network onto your computer’s hard drive or any other drive on the network that you are also connected to (with the necessary access permissions).

How to Configure the Network Connection on a Windows 7 Computer

1. Ensure that you are using one of the following editions of Windows 7: Professional, Enterprise, or Ultimate. The Home Premium, Home Basic, and Starter editions are not supported.
2. In the Windows Start menu, select “Control Panel,” then “System and Security,” then “Administrative Tools.” Then double-click on “Local Security Policy.”
3. In the directory tree on the left side of the Local Security Policy window, select “Local Policies” and under that double-click “Security Options.” In the Policy list on the right, double-click “Network Security: LAN Manager authentication level.”
4. In the drop down list, select “Send LM & NTLM - use NTLMv2 session security if negotiated.” Click OK and exit from Administrative Tools.
5. In the Windows Start menu, locate the Start Search field and enter `\\USB200` or `\\USB170` depending on what model you are using. **(the two backslashes are required). Then press Enter to start the search.**

Note 1: You must press Enter to start the search. If Search 4.0 is installed on your computer (it is installed by default with Office 2010), the Windows Start menu will then disappear and the search will proceed in the background with no indication that the search is underway. **You may need to wait several minutes for the search to finish and the Connect window to be displayed (see next step).**

Note 2: This example assumes you used the default Machine Name when you configured networking on the MediCap (page 2), otherwise enter the alternate name you selected, preceded by two backslashes. For example, `\\Endocam1`.

6. If you configured the MediCap with a password (page 2), the Connect window will now be displayed, otherwise skip to the next step. In the User Name field, enter `USB200` or `USB170` (assuming you used the default Machine Name; otherwise enter the alternate name you selected, for example, `Endocam1`). Also enter the password you previously selected.
7. A hard disk drive icon (HDD) will be displayed, indicating that the drive is now connected.
8. RIGHT click on the drive icon and select “Map Network Drive.” The Map Network Drive window will be displayed.
9. Select a letter for the drive from the pull down list. Make sure that the “Reconnect at Login” option is selected. Click Finish. Close the Search window.
10. Now when you access “Computer” from the Windows Start menu, the MediCap’s internal hard drive will be displayed just like the other drives on your computer. You can click on the drive to view the recorded images and videos it contains. You can then “drag and drop” these files across the network onto your computer’s hard drive or any other drive on the network that you are also connected to (with the necessary access permissions).