

DFS LAN Connection Set-up for X and K-Series

Ver 1.75.00

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1. Install Software

1. Install DFS V1.75.00 or newer on the computer.
2. Reboot the computer afterwards.
3. Start the Design File Server Program by clicking on the Icon on the Desktop.

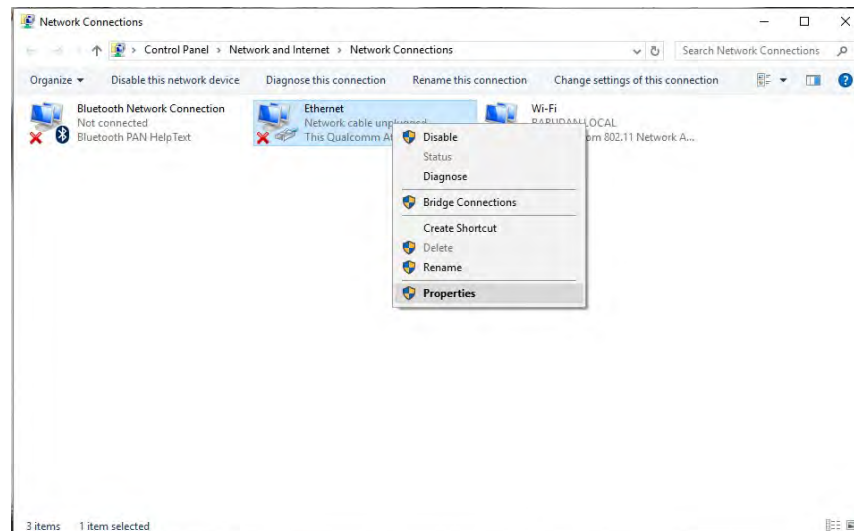
2. Set Static IP Address (192.168.1.1)

Change the computer IP address to 192.168.1.1 to match the machine Host Address setting. See the following steps.

Windows 7 or newer:

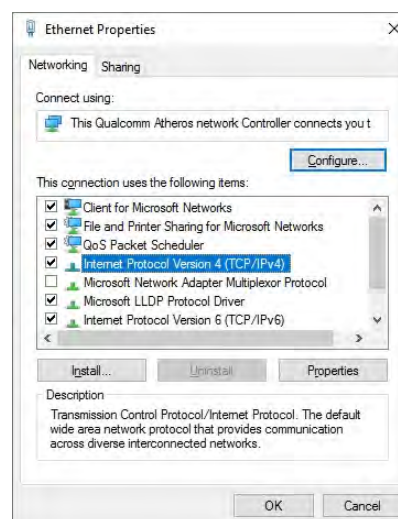
1. Go to “Start” and click on “Search for programs and files” box. Windows 10, type in the “Ask me anything” search box.
2. Type “view network connections” and press “Enter”.

The following Network Connections window or similar will appear:



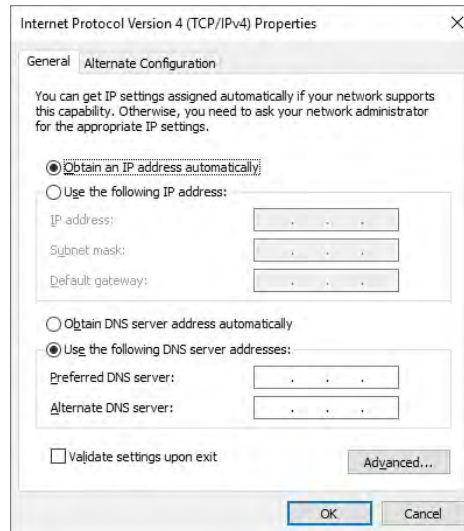
Note: Actual screen shots may vary depending on Windows operating system and settings. Windows 10 shown in examples.

1. Right Click on “Ethernet” or “Local Area Connection” and Click on “Properties” in the drop down list and the following window will appear:



2. Click on “Internet Protocol Version 4 (TCP/IP)” so it’s highlighted as shown in previous screen shot.

3. Click on the “Properties” button and the following window will appear:



4. With the “General” tab selected, Click on the “Use the following IP address:” and type in the settings as shown in the following menu:



- IP Address: 192.168.1.1
- Subnet mask: 255.255.255.0
- Other settings not necessary for DFS connection.

5. Click on “OK” to save the IP setting.

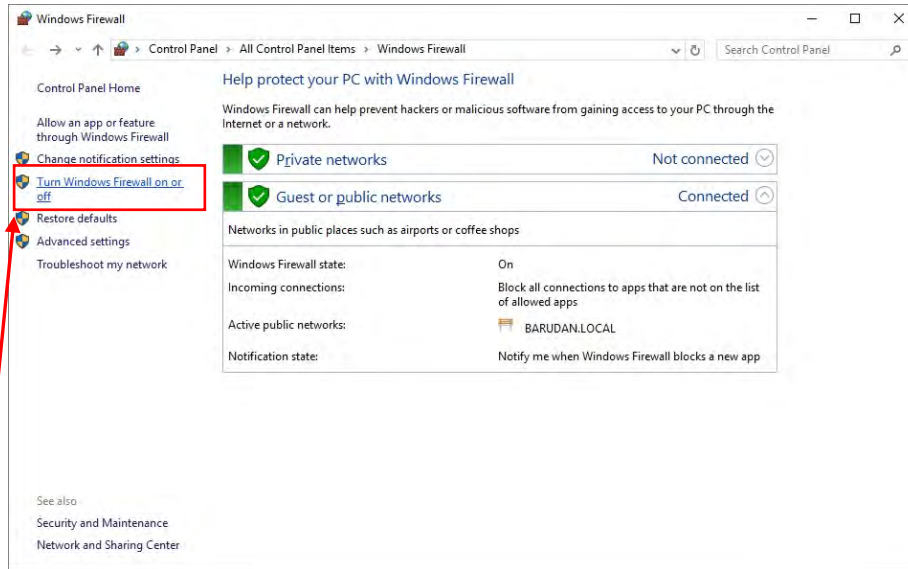
Note: If for some reason you cannot use the Static IP address of 192.168.1.1 for your computer, please consult or hire an IT/computer specialist for making this connection for you. Also changes to the Machine Network Set-up will have to be changed to match if not sticking with 192.168.1.1 Host IP address.

3. Turn the Windows Firewall Off.

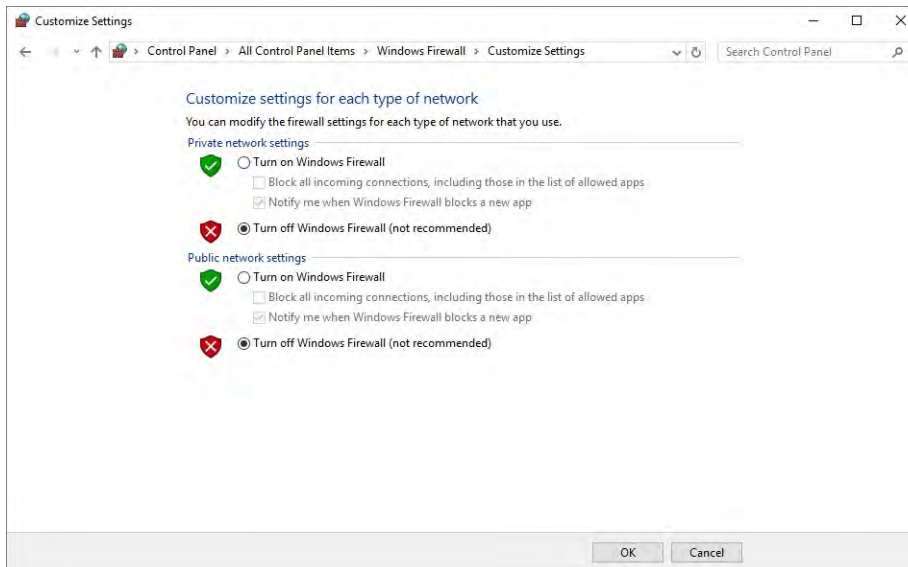
Windows 7 or newer:

1. Go to “Start” and click on “Search for programs and files” box. Windows 10, type in the “Ask me anything” search box.
2. Type “windows firewall” and select “Windows firewall” in the list.

The following “Windows Firewall” window should appear:



2. Click on “Turn Windows Firewall on or off” in the list on the left side of the Firewall Window to display On/Off settings menu.



3. Change **ALL** the Settings to “Off” as shown above, and Click on “OK” to save settings.

Note: Make sure there are no other Firewall programs running on this PC. If so turn them off too.

4. DFS LAN Option Menu Set-up

There are (2) basic Modes that DFS LAN mode can operate in:

Schedule Mode. This is the default mode. In this mode there is a design queue for each machine connected to the network. Operator uses Design File Server program to drag and drop designs on each machine schedule to schedule designs. Then the machine operator downloads the next design in the schedule using the Barudan machine Automat. This mode can also use Watched folders and tie in with other digitizing software.


Direct Download Mode. This is an optional mode. In this mode a search folder where all the designs that are possible to be downloaded are selected using the DFS LAN Option menu. Multiple design folders can be selected if necessary. The operator uses the Barudan machine Automat to type in the design name, to pull that design from the network. This mode also works with a barcode scanner. Operator scans the design name, instead of typing it, to pull the design.

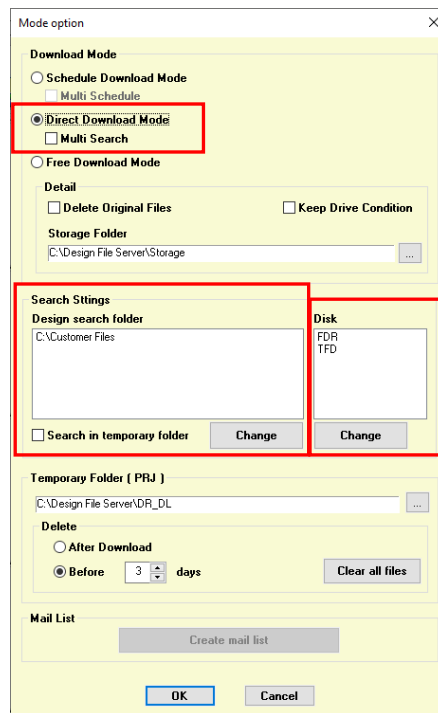
Decide which mode you want to use. If using Direct Down load, see **4. Changing Option for Direct Download mode** for instructions.

For complete details of mode settings, please refer to the Design File Server Instruction Manual.

5. Changing Option for Direct Download mode

(Disregard the following steps if using Schedule mode)

1. Open the Design File Server program.
2. Click the  button to display the following screen.



The screenshot shows the 'Mode option' dialog box. The 'Download Mode' section has three radio buttons: 'Schedule Download Mode', 'Direct Download Mode' (selected and highlighted with a red box), and 'Free Download Mode'. Under 'Direct Download Mode', there is a 'Multi Search' checkbox. The 'Free Download Mode' section has a 'Detail' section with 'Delete Original Files' and 'Keep Drive Condition' checkboxes, and a 'Storage Folder' field. The 'Search Settings' section is highlighted with a red box and contains a 'Design search folder' field (C:\Customer Files) and a 'Disk' field (FDR, TFD). Below these are 'Search in temporary folder' checkbox and 'Change' buttons. The 'Temporary Folder [PRJ]' section has a field (C:\Design File Server\DR_DL) and a 'Delete' section with 'After Download' and 'Before' (selected) radio buttons, a '3' day spinner, and a 'Clear all files' button. The 'Mail List' section has a 'Create mail list' button. At the bottom are 'OK' and 'Cancel' buttons.

3. Click on Direct Download Mode.
4. Set Search Folder(s) by clicking on the "Change" button under "Design Search folder"
 - Select a folder on the computer that contains .dst or U01 design files to be downloaded to the machine.
5. Set Disk Type(s) to be searched by clicking on the "Change" button under "Disk"
 - (FDR = .U01 files, TFD = .DST files) Match the file type of the designs in selected Search folder.

Note: You must select at least one search folder and one disk type to use Direct Download mode.

6. Click on OK to exit the Option menu.
7. Close LEM Pro Design File Server Program and then re-open the program to open in "Direct Download Mode".



Note: If DFS is installed in Background mode, please reboot the computer.

8. Open the LEM Option Menu one more time and close it to set the Design Search folder(s). Opening and closing the Option menu refreshes the Search folders.


Note: Step #8 is important. Otherwise searching designs from the machines will fail until the search folder is refreshed.

6. X-Series Machine Set-up

Turning the LAN setting On

1. Press the  Tools button on the Automat.
2. Press the **E-key** below the  Icon to display the Network Menu.




3. Select the “01: Network” setting as shown above and change to “Enable (LAN)” by pressing the A or B- keys (-/+ icons).
 - Do not change any of the other settings on this screen unless you consult with an IT/computer specialist.
4. Press the  tools button to exit settings.
5. A “Network Configuration Change?” display will appear. Press the A-key for “YES” to save the new setting.
6. Plug the LAN cable into the machine.
 - Note if you are connecting a machine directly to a computer with one LAN cable, you need to purchase a special Cross LAN cable. Consult your local computer shop to purchase.
 - If using a hub or switch, check the hub/switch user manual for connection info. Regular LAN cables can be used for this type connection.
7. Power Off the machine, then back On, to connect to the network. Make sure the DFS program is running on PC.

Note: For more info on Machine Network Operations and Setup, See Chapter 10 Network, and Chapter 11-4 Network in the BEXS Instruction Manual.

For more Installation help, please call Barudan Tech Support @ (440) 498-3660

7. K-Series Machine Set-up

Turning the LAN setting On

8. Press the **SETTINGS**  Icon on the Main Screen to display the Preferences menu.

9. Press the **NET SET**  Icon to display the Network Setup list.



10. Select the “01: Network” setting as shown above and change to “LAN” by pressing the A or B- keys (-/+ icons).

- Do not change any of the other settings on this screen unless you consult with an IT/computer specialist.

11. Press the **SETTINGS**  Icon on the Main Screen to exit the settings.

12. A “Network Configuration Change?” display will appear.

Press the A-key for “YES” to save the new setting.

13. Plug the LAN cable into the machine.

- Note if you are connecting a machine directly to a computer with one LAN cable, you need to purchase a special Cross LAN cable. Consult your local computer shop to purchase.
- If using a hub or switch, check the hub/switch user manual for connection info. Regular LAN cables can be used for this type connection.

14. Power Off the machine, then back On, to connect to the network. Make sure the DFS program is running on PC.

Note: For more info on Machine Network Operations and Setup, See Chapter 10 Network, and Chapter 11, Section 11 Network in the BEKS Instruction Manual.

For more Installation help, please call Barudan Tech Support @ (440) 498-3660