laplink gold® for Windows® 7

Quick Start Guide
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With Laplink Gold’s award-winning remote control, file transfer, advanced connectivity and synchronization features, you can access e-mail, files, and network resources when you’re on the road, work with computer users at other locations, schedule file transfers, print documents to a remote printer, and more.

Laplink Gold for Windows 7 offers you a variety of reliable, easy-to-use options for connecting; simply choose the option that is appropriate for the resources available on your computer and the computer you want to connect to. To learn more about Laplink Gold, see the online User Guide and Help.

What’s New?

**Windows 7 Compatibility**
Laplink Gold is now Windows 7 compatible! This new version works on Windows XP, Server 2003, Vista, and Windows 7. You can connect to a Laplink computer with an older operating system using Laplink Gold 12 on that system.

Glossary

**Host PC**: The Laplink Gold PC to which you connect remotely using Remote Control or Remote Desktop. The Host PC is hosting your connection. Regardless of location, the computer accepting an incoming connection is the Host because it is allowing the Guest to control it.

**Guest PC**: The Laplink Gold PC you use to access the Host PC. Regardless of location, the computer initiating an outgoing connection is the Guest computer.

System Requirements

Before you install Laplink Gold for Windows 7, make sure you have what is needed to connect your computers. To use all of its features and services, Laplink Gold for Windows 7 must be installed on all of the computers you want to connect. Computers with older operating systems can use Laplink Gold 12 instead.

**General System Requirements for each Computer**

- CPU: 500 megahertz (MHz) or higher processor.
- RAM: Same as minimum required by operating system.
- Available hard disk space: 65 MB.
- Keyboard and mouse required for server installations.

**Requirements for Modem Communication**

- Modem set up in Windows XP/2003/Vista (with TAPI).

**Requirements for Network Communication**

- For IPX connections: Microsoft IPX-compatible protocol configured for a network adapter.
- For TCP/IP connections: Microsoft TCP/IP-compatible protocol configured for a network adapter.
Requirements for Dial-Up Networking Communication

- Guest computer: Dial-Up Networking feature of Windows installed, with a Dial-Up Networking connection to a dial-up server.
- Host computer: Running a dial-up server program, or accessible through a dedicated dial-up server that supports incoming Dial-Up Networking connections.

Requirements for Cable Communication

- For USB connections: A Laplink USB 2.0 cable or a Laplink USB 1.1 cable plus a USB port on each computer.
  
  Note: A Laplink USB 2.0 cable will work in a USB 1.1 port but it will work at USB 1.1 transfer speeds.

  Laplink “Purple” USB 1.1 cables are not supported for Laplink Gold for Windows 7.

  
  Note: Serial cables work in Windows XP and Server 2003 but not in Windows Vista or Windows 7. If you choose to connect by cable on a Vista or Windows 7 machine, you must use a USB cable.

Requirements for CAPI 2.0/ISDN Communication

- An ISDN line and ISDN adapter with a CAPI 2.0-compliant driver on both ends of the connection.

Requirements for Remote Connections:

- Remote Control - Laplink Gold legacy remote option that allows you to connect to Host PCs with older versions of Laplink Gold. The Host PC must be running Windows 2000 / XP / Server 2003 / Vista.
  
  Note: Remote Control cannot be used on Windows Vista 64-bit operating systems or on Windows 7.

- Microsoft Remote Desktop (RDP) - Microsoft RDP is only available for Laplink Gold Host PCs running:
  - Windows XP Professional, with Remote Desktop Protocol enabled.


Laplink Remote Desktop - Allows you to connect to Laplink Gold Host PCs running Windows XP and above. Laplink Remote Desktop is an alternative for those Windows operating systems that cannot use Windows RDP.

Requirements for Voice Chat (must be installed on each computer)

- A sound card or sound device, speakers or headphones, and a microphone (a full duplex sound card driver is recommended).

IMPORTANT: When you purchase PCmover Professional, you are purchasing a license that limits you to migrating the contents from one (1) old PC to one (1) new PC, or upgrading one (1) PC from an older to a newer operating system. You cannot use your serial number to install PCmover on another old (or second) PC. For complete details, refer to the End User License Agreement (EULA).

To purchase additional licenses, please visit http://www.laplink.com or contact our sales department at (800) LAPLINK (527-5465) or (425) 952-6001.

Installing Laplink Gold

IMPORTANT: You must uninstall any previous versions of Laplink Gold before installing Laplink Gold for Windows 7.

1. Insert the Laplink Gold for Windows 7 CD-ROM in a CD-ROM drive or, if you downloaded Laplink Gold for Windows 7 from the Web, double-click LLGWIN_EN.exe in the folder where you downloaded Laplink Gold for Windows 7.

Note: If you are using an operating system other than Windows XP, Server 2003, Vista, or Windows 7, the file you downloaded should be named “LLG12_EN.exe”. If you did not, you will need to download the correct file.

If the Laplink Gold for Windows 7 Welcome screen does not appear when installing from CD-ROM, open Windows Explorer and double-click ‘Welcome.exe’ on the Laplink Gold for Windows 7 CD-ROM.
2. Click Install Laplink Gold, and follow the instructions on the screen. When prompted, enter your serial number and give the computer a name that clearly describes it.

Note: If you receive an error during the product registration of Laplink Gold for Windows 7, please visit: http://www.laplink.com/validation/

You may also e-mail our Customer Service at CustomerService@laplink.com or call +1 (425) 952-6001.

When starting Laplink Gold for Windows 7, you will be given an opportunity to set up your Laplink Internet account. If you choose not to set up your Laplink Internet account immediately, and you disable the automatic pop-up, you can set up your account later from within Laplink Gold for Windows 7. You will need to do this in order to easily access other computers across the Internet and through firewalls (first year of Laplink Internet is included at no additional cost). To set up your Laplink Internet account, please refer to the instructions in Connecting by Laplink Internet on page 8.

Connecting With Laplink Gold

Using Laplink Gold to connect to another computer is easy. Depending on the resources available on your computer and the computer you want to connect to, you can connect using one of the following:

- Laplink Universal Serial Bus (USB) cable
  
  Note: Laplink “Purple” USB 1.1 cables are not supported for Laplink Gold for Windows 7.

- Laplink serial cable (Windows XP and Server 2003 only)

- An Internet connection

- Novell [IPX] network

- TCP/IP network

- CAPI/ISDN 2.0 device

- Dial-up networking

Laplink Gold Features

Once you're connected, you're ready to use Laplink Gold’s powerful features:

- Remote Connections (3 options)
  - Remote Control (Laplink Gold legacy connection option)
  - Microsoft Remote Desktop (RDP)
  - Laplink Remote Desktop - NEW for Laplink Gold for Windows 7

  Note: See ‘System Requirements’ (page 2) for operating system restrictions for each remote connection option. See ‘Session Tasks’ (page 9-10) for more information about each option.

- File Transfer: Move and copy files between computers utilizing a user-friendly, dual-pane user interface.

- File Synchronization: Using the Xchange Agent function simplifies the repetitive tasks necessary to keep files updated when you use two or more computers. You can even schedule synchronizations to run unattended. File Synchronization using SmartXchange is the way to fine-tune a specific, one-time synchronization.

- Print Redirection: Print a remote document locally or use a remote printer to print a local document.

- Text Chat and Voice Chat: Communicate with other users by exchanging text messages or talking over a connection between two computers.

  Note: Anti-virus is no longer a supported feature in this version of Laplink Gold. For more detailed information about connecting to another computer, see ‘Connecting to Another Computer’ on page 7.
Getting Help

Laplink Gold for Windows 7 Help Menu

Laplink Gold for Windows 7 also features an online Help system to assist you as you use it. Help is available through the Laplink Gold for Windows 7 Help menu, including:

• **Searchable Help documentation**
  Browse Help and use the Help Index and Find features to search for specific information. On the Help menu, click **Help Topics**.

• **Troubleshooters**
  Specify the problem you are having and troubleshooters will walk you through a series of possible solutions. Click **Help Topics**, then double-click the **Troubleshooting** book icon.

• **Quick Steps**
  Activate the Quick Steps feature to have relevant help appear when you open a dialog box in Laplink Gold for Windows 7. Quick Steps gives you information about the current dialog box and help on how to complete it. On the Help menu, click **Quick Steps**.

• **What’s This?**
  Use the What’s This? Help to get information about dialog box items. Click the question mark in the upper right hand corner of the dialog box, and then click the item you want help with.

• **F1 Help**
  To get immediate help for an item on a menu, highlight the menu item and press the **F1** key.

Laplink Technical Support

• **Support Options**
  For technical issues, visit Laplink Technical Support at: [http://www.laplink.com/help](http://www.laplink.com/help)

Getting Started: Setting Security and Allowing Others to Connect

After you install Laplink Gold for Windows 7, you can make outgoing connections to other computers, but until you change your security settings, other computers cannot access yours except by using a cable (such as a USB cable). To allow incoming connections, change the security settings by creating one or more entries in the Log-in List, or by adding Users from your local Microsoft domain or by allowing public access. You can restrict user access as necessary, specifying who can connect to your computer and what they can see and do once connected.

The safest way to allow incoming connections is to set up password-protected access through the Log-in List. However, you can also set up your computer as a public system, open to anyone who can connect.

**Controlled Access Connections**

Laplink Gold for Windows 7 supports two different ways of allowing controlled access to your computer: Laplink Authentication and Microsoft Windows Authentication. Both can be used at the same time.

• **Laplink Authentication** involves creating a log-in list of user names and passwords. A log-in list is unique to the computer on which it is created and it cannot be exported or shared with other Laplink computers. Log-in lists are the best way of creating secure access for individuals.

**To specify who can connect to your computer using Laplink Authentication:**
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1. Go to the Options menu and choose Security.
2. On the General tab, select Log-in List Only (Protected System).
3. Click Log-in List, and then click Add. The Security Model screen appears.
4. Select Laplink Authentication and click OK.
5. On the General tab, type the Log-in Name and Password the user must provide to connect to your computer.
6. Under Services, check the services that you want to make available, such as Remote Control, File Transfer, and Print Redirection.
7. If you’ve checked Remote Control as an available service, check the appropriate options under Locking Permissions to indicate whether the user can blank your computer screen and disable its mouse and keyboard.
8. Specify any additional user access restrictions and preferences on the Folder Security and Modem Callback tabs.
9. Click OK to add this person to your Log-in List. A Laplink Gold for Windows 7, Gold 2008 or Gold 12 user can now connect to your computer by using the Log-in Name and Password you specified.

Public Access Connections

• You can also open your computer to connections from any Laplink Gold user if you choose. Though public users do not need to enter a password to access your computer, you can limit what they can see and do.

To allow public access to your computer:
1. Go to the Options menu and choose Security.
2. On the General tab, click Anybody (Public System).
3. Click the Public Privileges button.
4. On the General tab, check the services you want to make available to public users. If you’ve checked Remote Control as an available service, check the appropriate options under Locking Permissions to indicate whether the user can blank your computer screen and disable its mouse and keyboard.
5. To limit public access to particular drives and folders, click the Folder Security tab.
6. Click OK.
Connecting to Another Computer: Connection Options

Laplink Gold for Windows 7 gives you a variety of options for connecting to another computer. To choose the appropriate option, determine what resources are available on the local and remote computers.

### Connecting from another Laplink Computer over the Internet

<table>
<thead>
<tr>
<th>Can you connect to the Internet on the local computer?</th>
<th>Can you connect to the Internet on the remote computer?</th>
<th>Then connect to another Laplink computer over the Internet this way:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Use <a href="http://www.laplink.com/help">Connect over Laplink Internet</a> for simple, secure connections without the hassle of configuring ports or a firewall.</td>
</tr>
<tr>
<td>No, but I can connect to a network that has an Internet connection.</td>
<td>Yes</td>
<td>Use <a href="http://www.laplink.com/help">Connect over Dial-Up Networking</a> to dial into a network server and connect over the network’s Internet connection.</td>
</tr>
</tbody>
</table>

### Connecting over modems, networks, and cables

<table>
<thead>
<tr>
<th>With this available on the local computer</th>
<th>And this available on the remote computer</th>
<th>Connect to another Laplink computer this way:</th>
</tr>
</thead>
<tbody>
<tr>
<td>modem</td>
<td>modem</td>
<td>Use <a href="http://www.laplink.com/help">Connect over Modem</a> and dial into the modem on the remote computer.</td>
</tr>
<tr>
<td>modem</td>
<td>modem and network</td>
<td>Use <a href="http://www.laplink.com/help">Connect over Modem</a> to connect directly to the remote computer and access all of the network resources available to that computer.</td>
</tr>
<tr>
<td>modem</td>
<td>network with a dial-up server</td>
<td>Use <a href="http://www.laplink.com/help">Connect over Dial-Up Networking</a> to dial into the dial-up server and connect to any Laplink computer on the network.</td>
</tr>
<tr>
<td>serial (only available on Windows XP and Server 2003) or USB port</td>
<td>serial (only available on Windows XP and Server 2003) or USB port</td>
<td>Attach a Laplink serial or Laplink USB cable to each computer. The connection opens automatically. The Belkin USB cable is also a supported USB option.</td>
</tr>
</tbody>
</table>

**Note:** Laplink’s Internet Locator Service (ILS) is no longer an available connection option. Laplink “Purple” USB 1.1 cables are not supported for Laplink Gold 2008.
Connecting to Another Computer

To use all of the features in Laplink Gold for Windows 7, you must first connect to another computer that is also running Laplink Gold for Windows 7. Open the Shortcut Bar and make a selection from the Connect Over menu list, and then provide the connection information (you may use Laplink Gold for Windows 7 to connect to computers running older versions of Laplink, but not all connections and not all features will be available).

IMPORTANT: Before you can connect to another computer, both computers must be running a version of Laplink, and the connection method you want to use (such as modem, cable or over a network) must be active and available. You may also need a valid Laplink Gold Log-in Name and Password in order to connect, unless public access has been enabled.

Note: To access the Shortcut Bar when already connected to a Laplink Gold PC, move mouse over the left edge of the main Laplink Gold window and click once. The Shortcut Bar will then open and you can make your desired selection.

Making a Connection - Options

How your computer connects to another computer using Laplink Gold depends on the resources available to the two computers. Determine what types of connections each computer is able to make, and then select the appropriate connection option (see chart on page 6 for help in determining your connection options).

To connect to another computer:

1. From the Connect Over menu, select a connection method:
   - **Modem**: Use this method for modem-to-modem connections. Click Manual Dial and type the dialing information for the remote computer, or click an existing connection name. Click Dial.
   - **Dial-Up Networking**: Use this method to connect to a network with a dial-up server using a modem. Click the Dial-Up Networking connection you want to use and choose the appropriate dial-up networking options. Click Dial to dial your modem. Once you’ve connected, you will be asked to specify which available computer on the network you want to connect to.
   - **LAN (Network)**: Use this method to connect to a computer on the same network. Choose a computer on the network by clicking the computer name. You can also connect to a computer by typing its TCP/IP address; click the TCP/IP Addresses tab, click Manual Connect, and type the TCP/IP address. Click OK.
   - **Laplink Internet**: Use this method to connect to another computer running Laplink Gold over the Internet. Using this service requires creating a Laplink Internet account. Note: See additional information about connecting by Laplink Internet in section on page 8.
   - **Cable (USB, Serial)**: Use this method for computers connected by one of the Laplink cables. The computer connected to your computer by cable is listed in the Connection list. Click the computer name and click OK. Note: See additional information about connecting by cable in section on page 8.

2. From the list of available computers, click on the one you want to connect to.

3. Under Services, check the services you want to open when you connect (you must check at least one service).

4. Click OK.

5. If prompted, type your Laplink Gold Log-in Name and Password.

The connection is made, and the services you selected are opened if the remote computer is set up to allow you to access those services.
Connecting by Laplink Internet

Connecting Through a Firewall

Laplink Internet ensures secure connections and requires no special firewall configuration. To use Laplink Internet, you must first create an account on the Laplink Internet server (first year of Laplink Internet is included at no additional cost).

Once this is complete, you will be able to log-in from any Laplink Gold computer and see any of your other computers that also have Laplink Internet accounts. This applies as long as they are running Laplink Gold and are currently online and available for connections.

Creating Laplink Internet Accounts

To create a Laplink Internet account for the first computer:

1. You can set up your Laplink Internet account from the pop-up dialog box that appears automatically when you launch Laplink Gold for Windows 7 for the first time. Simply click Yes and follow the instructions presented.

   Note: If you choose not to set up your Laplink Internet account at this time, you may go to the "Options" menu, then "Laplink Internet Options" at a later time. You can disable or enable the Laplink Internet Service from this screen.

2. Enter the Username and Password for your Laplink Internet account.

   Note: Your Laplink Internet Username and Password can be different from your Username and Password for Laplink Gold's Log-in List.

   IMPORTANT: Now you will need to associate the additional computer(s) to which you will want to connect using Laplink Gold for Windows 7.

To add additional computer(s) to which you will want to connect:

1. Start Laplink Gold for Windows 7 on the computer you want to add.

2. Click Yes in the pop-up dialog box that automatically appears asking if you want to register with Laplink Internet.

   Note: if you choose not to associate additional users with your Laplink Internet account when you initially set up Laplink Gold on a PC, you may go to the "Options" menu, then "Laplink Internet Options" at a later time.

3. You will be presented with a window.

4. Enter your Username and Password plus a descriptive name for this PC (this is the name that will appear in the Laplink Internet Options dialog box).

5. Click Submit.

You can now connect to and from the computers associated with your account using the Laplink Internet Service.

Connecting by Cable

IMPORTANT: Before you connect the computers with Laplink Gold using cables, you should install Laplink Gold for Windows 7 on both computers.

1. Choose the type of cable—serial or USB—based on the cables and ports you have available and the operating systems running on each machine.

   Ports are the connectors to which you attach cables and peripherals (like printers and external modems). To find out which types of ports are available on the computers you want to connect, consult the documentation or Windows Device Manager for each computer.

   Note: For a serial or USB cable connection, use a Laplink cable. Laplink cables are available at http://www.laplink.com or by calling 1 (800) LAPLINK.

   If more than one type of cable port is available to you, remember that USB is the fastest. A USB cable can transfer data more than 500 times faster than a serial
cable. While you can attach a USB cable to any USB peripheral that incorporates a "hub" to which other devices can be connected, we recommend that you plug the USB cable directly into the computer.

2. Once you decide which type of cable connection you will use, attach a Laplink cable to each computer. Attach a Laplink serial cable to a serial port on each computer or a Laplink USB cable to a USB port or USB "hub" device on each computer.

   Note: The Belkin USB cable is also a supported USB option, using the included Laplink drivers. Serial cable option is only available on Windows XP and Server 2003. Laplink “Purple” USB 1.1 cables are not supported for Laplink Gold for Windows 7.


   When you launch Laplink Gold on two computers that are connected by a cable, Laplink Gold connects the computers automatically. If necessary, you can also open a cable connection to another computer manually.

   To manually connect to another computer by cable:
   a. Go to the Connect Over option on the Shortcut Bar menu.
   b. Select Connect over... → Cable (USB, serial).
   c. In the Connection list, select the name of the computer to which you want to connect.
   d. Under Services, check the services you want to use.
   e. Click OK.

4. Ensure that the proper port (serial or USB) is enabled in Laplink Gold for Windows 7 on both computers.

   To enable a port on a computer, click Options on the main menu, and then click Port Setup. Under Port Settings, highlight the port you want to enable, and then check the Enable Port box.

Once you have connected the two computers you can then use the other features and capabilities of Laplink Gold for Windows 7.
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- **Microsoft Remote Desktop (RDP)**: RDP is a Windows service that is integrated into Laplink Gold for Windows 7. It can be used to connect from any Laplink Gold Guest system but is available ONLY when connecting to Host computers running Windows operating systems as specified in the system requirements (see page 2).

  Once the Laplink Gold Guest computer has made the connection to the Host, the screen on the Host PC will be locked. A local user at the Host PC will be unable to use the computer or see what is happening with the remote session.

  Note: The User Name and Password for Microsoft Remote Desktop are the same as your Windows logon credentials for the Host PC.

  Windows must be configured on the Host computer to allow Windows Remote Desktop connections. Please refer to Windows Help and Support or the Microsoft support Web site for details on configuring Microsoft Remote Desktop.

  Laplink Remote Desktop is an option for those operating systems (Windows XP and above) that cannot use Microsoft Remote Desktop (see next).

- **Laplink Remote Desktop (NEW)**: Laplink Remote Desktop is a new remote connection option in Laplink Gold for Windows 7. It allows you to connect to Laplink Gold Host PCs running Windows XP and above. Laplink Remote Desktop is an alternative for those Windows operating systems that cannot use Microsoft RDP.

  Unlike Microsoft RDP, Laplink Remote Desktop doesn’t lock the screen of the Host PC, and thus allows you to share the screen with a local user at the Host computer.

  Note: The User Name and Password for Laplink Remote Desktop are the same as your Windows logon credentials for the Host PC.

### Choosing the Remote Desktop Option

Laplink Gold will automatically choose which Remote Desktop option to use based on your settings.

To modify the Remote Desktop settings, go to the **Options** menu and choose **Remote Control Options**:

1. Click the **Remote Desktop Host** tab.

2. To have the option to use both Microsoft Remote Desktop and Laplink Remote Desktop, make sure that both **Enable Laplink Remote Desktop Host** and **Allow Connections to Microsoft Remote Desktop Host** are selected.

### Other Remote Connection Settings

If you choose, you can make changes from the defaults on the other **Remote Control Options** tabs. When finished, click **Apply** and then click **OK** to save the changes.
File Transfer

This function allows any number of files and folders to be transferred between the two Laplink computers.

- In some instances, you may not want to transfer a file, such as copying an older version of a given file over a newer one. In the File Copy window, shown next, you can set options that determine when a file is copied.

- When you drag a file from one window to the other, you will see this dialog box:

Xchange Agent Synchronization

Xchange Agents automate and save the functionality of SmartXchange. To set up an Xchange Agent:

1. Choose Xchange Agent Wizard from the SyncTools menu.
2. Follow the on-screen prompts to open the connection between your two Laplink Gold PCs and choose the pairs of folders to synchronize.
3. After you’ve finished making your selections, preview the Xchange Agent. Click on the Run button to perform the synchronization.
4. After working on files on either computer, run the saved agent to reconnect and update the older copies of the files automatically. You can run an agent by double-clicking its shortcut icon or by scheduling it to run unattended.
Print Redirection

You can control whether a file will print on a remote or local printer regardless of whether the file itself resides on the local or remote computer. This allows you to print in your current location (local) or on a printer attached to the other computer (remote).

Text Chat

Text Chat lets you communicate with someone on another Laplink Gold PC by typing text in a window.

Voice Chat

Voice Chat lets you communicate with someone on another Laplink Gold PC by voice (as though on a telephone).