

Laplink Everywhere 4 Quickstart Guide

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Patents

SpeedSync(r) U.S. Patent Number 5,446,888

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Introducing Laplink Everywhere	4
System Requirements	5
Installation and Setup	6
Preparing For Remote Connections	9
Using Laplink Everywhere	11
Email, Contacts, Calendar, Notes and Tasks	16

Introducing Laplink Everywhere



Laplink Everywhere (LLE) is a web-based solution that allows users to remotely access their office or home PCs from any web-enabled PC, PDA or Smartphone. With LLE, users can remote control their distant PCs, conduct remote desktop searches for critical files and emails, transfer files between PCs, or share them with anyone, regardless of file size or type. LLE allows you to access as many PCs as you like, from any web connection, anywhere in the world. That is the power of Laplink Everywhere.



Laplink Everywhere is simple and secure

Laplink Everywhere gives you complete access to your email, folders, files and applications from any of your web-enabled devices.

Laplink Everywhere (LLE) must be installed and running on each PC you will want to access remotely. These PCs will be easily accessible from any browser and Internet connection.

To access these PCs remotely, go to www.ll2go.com, and login using your username and password. Once logged in, you will see links to all your LLE PCs. Even if some of the PCs you are connecting to are behind firewalls, Laplink Everywhere will establish the connections automatically.

Laplink Everywhere secures your data using 128-bit Secure Sockets Layer (SSL) encryption. Laplink does not disclose information about any Laplink Everywhere user to any third party. On the browser side, no information about the Laplink Everywhere host PC is cached, so no other users can access your information. You can feel safe using LLE from any PC, anywhere.

Features

Laplink Everywhere connects to your host PCs easily through any web-enabled browser, providing complete access. The main features include:

Remote Control

Laplink Everywhere provides you complete desktop control to any of the PCs where you have LLE running.

Remote Desktop Search

Laplink Everywhere allows you to search your host PC for files or emails from any browser or web connected device (including Smartphones, Palm or Pocket PC devices) anywhere in the world, and allows you to reply to your email and send files just as easily.

File Transfers for files of any size or type

LLE enables you to transfer files of any size to and from your PC, and to send files to anyone using a secure, click-and-download link.

Remote Access to your Outlook or Outlook Express

LLE provides web access to your Outlook and Express email, providing not only the emails themselves but remote access to your Calendar, Address Book, Contact, Notes and more.

Connect to all of your PCs instantly!

Laplink Everywhere can be set up on as many PCs as you like, and all can be accessed in a single browser session.

On the PC you will connect to:

You must have Laplink Everywhere installed, and have the following to access your information remotely:

- Win 98 SE/ME/NT 4.0/2000/XP
- 16 MB RAM
- 6 MB of free hard disk space
- A persistent Internet connection
- (optional) - Microsoft Outlook 97, 98, 2000, 2002 or 2003 to access email, Contacts, Calendar, Notes, and Tasks or an email client that utilizes Windows Address Book (such as Outlook Express 5.5 or greater) to access Contacts.

On the PC you will connect from: Required on the PC you use to connect:

- Internet connection
- Internet Explorer 5.5 or higher.
- Netscape version 6.0 or higher.
- Firefox version 1.02 or higher.
- Opera version 7.0 or higher.
- (optional) Ability to download ActiveX control, if desiring to use.

Requirements for Remote Control connections

Remote Desktop - LLE Remote Desktop uses Windows RDP (Remote Desktop Protocol), and is only available on PCs running:

- Windows XP Professional, with Remote Desktop Protocol enabled.
- Windows Server 2000 and Server 2003 Editions, with terminal services installed and enabled.

Remote Control 4 - LLE Remote Control 4 is available on PCs running Win 98 SE or later. Remote Control 4 is automatically installed during LLE installation.

- A user name and password is created during the Remote Control 4 installation, and required when connecting remotely using Remote Control 4.

NOTE: Both Remote Desktop and Remote Control 4 require ActiveX controls to install. Certain Internet browsers, such as Netscape, Opera and Firefox, do not support ActiveX controls. To use remote control using these browsers, use Secure VNC (see below).

Laplink Secure VNC - Laplink Secure VNC is a remote control option used primarily when connecting in non-Windows platforms. It also works well on browsers that don't allow ActiveX controls, such as Netscape, Firefox and Opera.

- The Secure VNC server must be manually installed on your host PC in order to use Secure VNC. To install, go to Start, Programs, Laplink Everywhere, and choose the Download Laplink Secure VNC link, and install the server software on your host PC.
- A password is created during the account creation process, and needed when connecting remotely.

Requirements for Google Desktop Search - Google Desktop Search runs on PCs using Windows 2000 (Service Pack 3 or above) or Windows XP, and Microsoft Internet Explorer 5.0 or above or Mozilla Firefox. It requires 1 gigabyte (Gb) of space available on your hard drive. For best performance, at least 128 Mb RAM and a 400MHz or faster Pentium processor is recommended.

Requirements for using LLE with a PDA or Smartphone- LLE supports any web-enabled PDA and Smartphone running the following operating systems:

- Palm OS 5.2.1 or higher
- Microsoft Pocket PC 2000, 2002 or 2003
- Windows CE
- Windows Mobile
- Symbian

This chapter discusses the Laplink Everywhere software installation and configuration. It is important to make sure LLE is set up the way you want, so you can get everything you need when connecting.

Important Definition: “Host PC”

Throughout this document, you will see references to your “Host PC”. The host PC always refers to the PC(s) you want to access remotely. Laplink Everywhere must be installed on each host PC in order to create the connection.

Installing Laplink Everywhere 4

The following includes two sets of installation instructions. On the PC where you are installing Laplink Everywhere 4 (host PC), if:

- Laplink Everywhere (any version) has been installed on this PC before, follow the “Upgrading to Laplink Everywhere 4” on page 8.
- Laplink Everywhere has NEVER been installed on this PC before, See “Installing Laplink Everywhere on this PC for the First Time” on page 8. Even if you have a current LLE account, if this is the first time you’ve installed LLE on this PC, follow these instructions.

Also in this section, you will find instructions on how to assign additional host PCs to your LLE account.

Prior to installation

Before installing the software, shut down all other applications currently running on the PC.

Purchasing Laplink Everywhere

By default, Laplink Everywhere installs as a trial. If you are installing Laplink Everywhere 4 as a trial, you can proceed to the next section. When you purchase Laplink Everywhere, either the boxed CD or download version, you will receive serial numbers for each LLE license you purchased.

If you purchased the boxed CD, these serial numbers are included with the boxed items. If you purchased Laplink Everywhere as a download, your serial numbers were emailed to you.

These serial numbers can also be entered after installation. Until a serial number is entered, your LLE account will be considered a trial account, and will end 15 days after setup. If you choose to upgrade from a trial to a purchase at a later date, use the following instructions. To purchase the LLE download version online, go to www.ll2go.com, and click on the Buy Now button to purchase.

Choose the Laplink Everywhere 4 purchase options that best suit your needs, and complete the purchase process. You will be sent an email with serial numbers, and a link that will read “To download this product, click on the link below”. This will take you to your available downloads in your My Downloads section of the Laplink website.




You will automatically be logged in, and if you don't already have one, a Laplink My Support account will be created for you during the purchase process. Your new purchase of Laplink Everywhere 4 will be available for download. Click on the download button, and save the lle-setup.exe file to your PC. Once the file is downloaded to your PC, choose the set of installation instructions that follow that are appropriate for you on this PC.

NOTE: When at the My Downloads page, on the left toolbar click on the “Edit My Account” link. From here, you can note or change your Laplink My Support account information, so that you can access your information and downloads from any web-enabled PC. See your My Support account for more information.

Upgrading to Laplink Everywhere 4

NOTE: These instructions assume you are at the host PC.

If you have installed Laplink Everywhere in the past on this PC, follow these instructions:

- 1 In your System Tray (near your Windows clock on the bottom right of your screen), right-click on the Laplink Everywhere icon,  if present. Choose Exit to stop Laplink Everywhere on your PC.
- 2 To get the latest Laplink Everywhere 4 software, go to www.ll2go.com, and click the Upgrade button.
- 3 If you are purchasing LLE as a download, save the LLE setup file (lle-setup.exe) to your PC, then double-click on the file to install Laplink Everywhere 4.
- 4 If you are installing with the CD from the boxed version, insert the CD into your CD-ROM drive. If the installation screen does not automatically appear, open Explore and identify the CD. Double-click on Welcome.exe located in the root directory of the CD to start the Laplink Everywhere setup.
- 5 The Laplink Everywhere 4 installation will detect a previous version of Laplink Everywhere on your system, and will need to uninstall it in order to continue. Click Yes to uninstall.
- 6 Double-click on your downloaded lle-setup.exe file again, and your Laplink Everywhere 4 installation will proceed.

Follow the instructions to complete your Laplink Everywhere installation.

Installing Laplink Everywhere on this PC for the First Time

NOTE: These instructions assume you are at the host PC.

If you have never installed Laplink Everywhere on this PC, the installation instructions below apply to you.

- 1 If you are purchasing LLE as a download, go to www.ll2go.com, and choose the "Buy Now" or "Free Trial" button, whichever is your preference.
- 2 Save the LLE setup file (lle-setup.exe) to your PC, then double-click on the file to install Laplink Everywhere 4. Follow the installation instructions to complete your Laplink Everywhere installation. From any browser, anywhere, go to www.ll2go.com and use LLE4 to log in to your Host PC.
- 3 If you are installing with the CD from the boxed version, insert the CD into your CD-ROM drive. If the installation screen does not automatically appear, open Explore and identify the CD. Double-click on Welcome.exe located in the root directory of the CD to start the Laplink Everywhere setup.
- 4 Follow the installation instructions to complete your Laplink Everywhere installation. From any browser, anywhere, go to www.ll2go.com and use LLE4 to log in to your Host PC.

Registering your PC

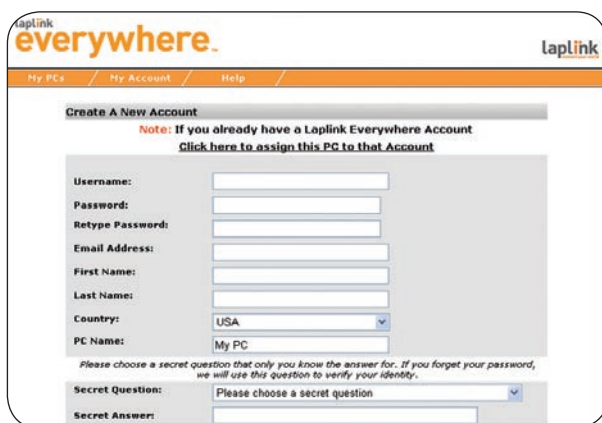
The next web page tells you your LLE4 installation and configuration is complete. On this page, you will be asked to choose what type of Laplink Everywhere account you are setting up on this PC.

- If you are setting up Laplink Everywhere for the first time on any PC, choose the Create Account button.
- If you already have a Laplink Everywhere account, and want to add this PC to the group of PCs you have access to when connecting through Laplink Everywhere, choose the Assign this PC button.

Creating a New LLE Account

If this is the first time you've installed Laplink Everywhere on any PC, we want to again say thank you, and hope you enjoy Laplink Everywhere. Follow the instructions below to set up an account and register your PC with the LLE servers.

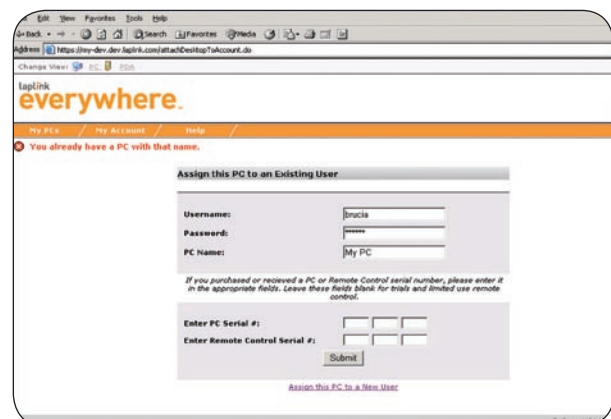
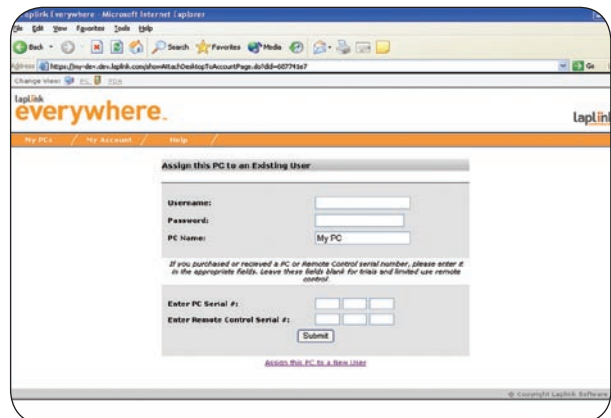
- Click on the Create account button.
- Please fill out the form carefully and accurately. To provide upgrades and support, we need accurate information.
- Make sure to write down your Laplink Everywhere User Name and Password, as you will need this information to access your LLE4 PCs.
- **If you purchased LLE:** Locate your serial number(s) sent to you via email or included in your box. To activate your subscription, enter your serial number(s) in the appropriate field(s).



Assigning additional PCs to an existing LLE account

If you already have a valid Laplink Everywhere account, and want to make this new LLE host PC available when connecting, you must assign this PC to that LLE account.

- Enter your valid LLE User Name and Password, give your new LLE host PC a unique name.
- **If you purchased LLE:** Locate your serial number(s) sent to you via email or included in your box. To activate your subscription, enter your serial number(s) in the appropriate field(s).



NOTE: By default, Laplink Everywhere names all LLE PCs "My PC", so your first LLE host PC might already be called "My PC". If you simply enter your username and password, and click Submit, you might get the message above, because your first LLE host PC is probably called "My PC" already.

Choose a new PC Name, and click Submit to complete the setup of Laplink Everywhere 4 on your second PC.

Congratulations! The next page tells you your LLE4 installation and configuration is complete. From any browser, anywhere, go to www.ll2go.com and use your LLE user name and password.

When you log into Laplink Everywhere now from any web-enabled device, you will have access to all of your LLE host PCs.

Once Laplink Everywhere (LLE) is installed, it is important to make sure your PC is ready to create a remote connection. Follow the instructions below to ensure you are prepared to connect, and that you will have access to all of the many capabilities of Laplink Everywhere.

Remote Desktop Search

LLE currently supports Google Desktop Search, and all of its powerful capabilities. If you use desktop search tools to find files and emails on your system, you can now use this feature on the road when connecting through Laplink Everywhere. To have access to Desktop Search in LLE, you must first install the Desktop Search software on your host PC. To install Google Desktop Search: On your host PC, click on Start> Programs>Laplink Everywhere, and choose the Download Google Desktop Search link.

NOTE: You also have the option to download and install the Download Google Desktop Search software after you have completed the LLE software installation on any PC.

Install Laplink Everywhere on each PC

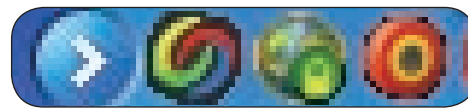
NOTE: The Laplink Everywhere software is installed on the PC or PCs you will want to connect to from other web-enabled devices. In this documentation, the PC or PCs where LLE is installed, and where users connect to, is usually referred to as the "host" or "host PC".

LLE allows you to connect to it from any web-enabled device or browser. Once connected, you can transfer files, access email, perform remote desktop searches, use Remote Control access and more.

LLE requires:

- A persistent Internet connection on the host PC.
- Laplink Everywhere must be running on the host PC. It is not necessary to make any special configuration changes to make Laplink Everywhere work behind a firewall. LLE will establish this connection for you.

look in your system tray. If the LLE icon is present as it appears here, LLE is running and prepared for incoming connections.

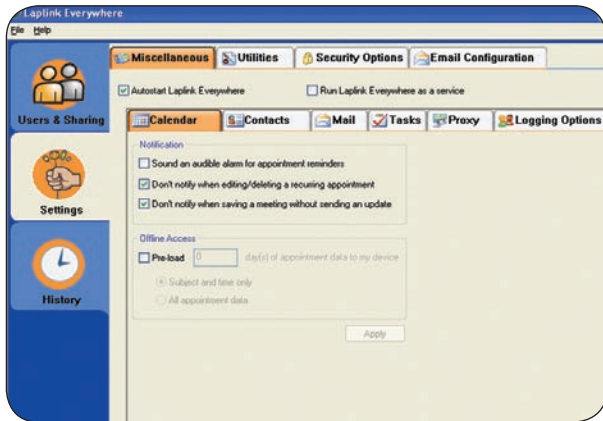


LLE Icon

If this icon is not present in your system tray, click on Start>Programs>Laplink Everywhere>Laplink Everywhere. This will launch LLE.

To make certain the LLE software is running on your PC,

Settings



The Settings section provides system, logging, security and other configurable settings for using LLE.

Setting LLE to Automatically Start Up with Windows

LLE can be set up to automatically start and run when Windows is restarted. Setting up LLE this way is useful, because LLE will be set to run as a default, so remembering to launch LLE each time you plan to connect won't be necessary.

To set up LLE to Start Up with Windows

In LLE, click on the Settings tab, and select Miscellaneous. Check the box that reads, "Autostart Laplink Everywhere", and LLE will be set to run at Windows login.

Setting LLE to Start as a Service

LLE can also be set to start as a service. This is useful because it allows the user to access the host PC, even if the PC is not logged into Windows.

To set up LLE to run as a Service: In LLE, click on the Settings, Miscellaneous tab. Select the checkbox that reads "Run LLE as a Service", and LLE will be set to run upon startup, even if the PC isn't logged into Windows.

Ready to Connect!

If LLE is now running on your PC, you are ready to connect to your host PC from a remote location.

When you are ready to connect to your host PC from any web-connected PC, go to www.ll2go.com, enter your user name and password, and click Login. This will take you to the main Laplink Everywhere page. Click on one of your host PCs under the My PCs tab to access a Laplink Everywhere service on that PC.

To access your host PCs, click on the PC name under My PCs. These PC Names were created when you created your LLE account.

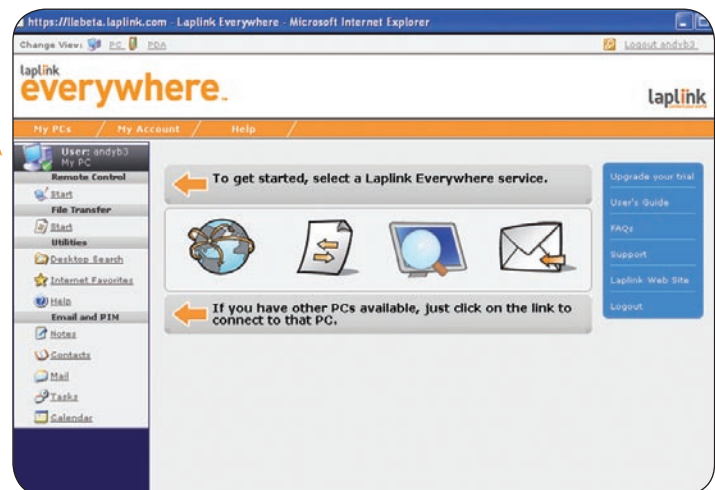
Users have 4 sections in the left tool bar:

- Remote Control
- File Transfer
- Utilities
- Email and PIM

Depending on your email integration, you will have different options available. If you are using Outlook, the icons will appear as they do here.

When using Outlook Express with Laplink Everywhere, you will have access to only Mail and Contacts.

NOTE: Laplink Everywhere must be running on your host PC in order to connect to it remotely.



Remote Access Toolset

Laplink Everywhere includes four key areas of functionality, each designed to meet your remote access needs.

Remote Control - Laplink Everywhere provides remote PC control using three different methods. Each method provides a secure remote control connection from any browser with an Internet connection, making it like you were sitting at your desk.

File Transfer - Laplink Everywhere provides the ability to transfer files easily between PCs. LLE also provides the ability to send files as secure, click-to-download links, or as attachments, without having to launch your email.

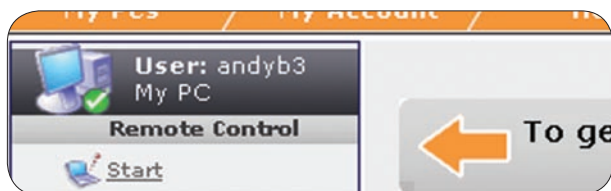
Remote Desktop Search and Favorites - Laplink Everywhere provides desktop utilities that make it even easier. LLE includes Remote Desktop Search, which allows you to search your PC from anywhere. LLE also provides you access to all your Internet favorites, so that you can get to that website you saved at your desk from any web-connected device.

Email and PIM - Laplink Everywhere gives you web access to your Outlook, Outlook Express accounts, giving you access to email, Notes, Contacts, Calendar and other functions, depending on which email application you use.

Remote Control

Laplink Everywhere allows you to Remote Control to your PC, and work from any browser as if you were sitting at your desk.

To connect to your PC using Remote Control, click the Start link under the Remote Control section.

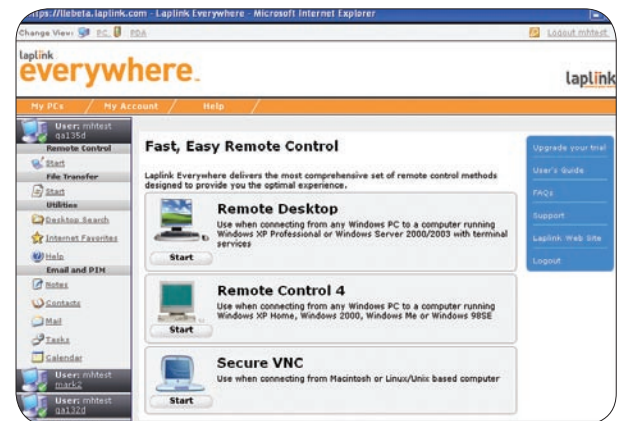


Click Start under Remote Control

Clicking Start will bring up the Remote Control page, where you will see your Remote Control options, determined during the LLE software installation. Click on the Remote Control option you'd like to use to begin your Remote Control session.

Remote Desktop - Remote Desktop uses Windows RDP (Remote Desktop Protocol), on PCs running:

- Windows XP, with Remote Desktop Protocol enabled.
- Windows Server 2000 and Server 2003 Editions, with terminal services installed and enabled.
- To connect remotely, use your Windows login name and password.



Remote Control 4 - LLE Remote Control 4 is available on PCs running Win98 or later. Remote Control 4 is automatically installed during LLE installation

- Your Remote Control 4 user name and password are created during the LLE software installation. To connect remotely using Remote Control 4, you will need this user name and password.

NOTE: Both Remote Desktop and Remote Control 4 require ActiveX controls to install. Certain Internet browsers, such as Netscape, Opera and Firefox, do not support ActiveX controls. To use remote control using these browsers, use Secure VNC (see below).

Laplink Secure VNC - Laplink Secure VNC is a remote control option used primarily when connecting in non-Windows platforms. It also works well on browsers that don't allow ActiveX controls, such as Netscape, Firefox and Opera.

- The Secure VNC server must be manually installed on your host PC in order to use Secure VNC. In install, go to Start, Programs, Laplink Everywhere, and choose the Download Laplink Secure VNC link, and install the server software on your host PC.
- A password must be created during the account creation process. To connect remotely using Secure VNC, you will need this password.

To learn more about your different Remote Control options, go to the Remote Control section of the Laplink Everywhere User Guide.

File Transfer

Laplink Everywhere makes it easy to access files on your host PC. You can transfer files between PCs, straight from your web browser. You can also send files of any size or type as a secure, click-to-download web links, or as attachments without having to launch your email. To access links your File Transfer options, Click Start under the File Transfer section.

File Transfer Options

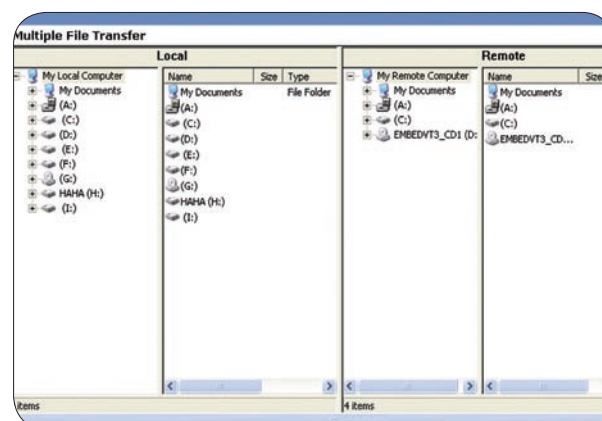
There are 2 File Transfer options in LLE. They are:

- Dual Pane File Transfer Utility
- Web File Transfer Utility

Dual Pane File Transfer Utility provides users the ability to transfer multiple files to and from their host PC quickly and easily. The easy-to-use interface makes it simple to browse to a folder on either PC, select multiple files, and transfer them between PCs.

NOTE: The Dual Pane File Transfer Utility requires an ActiveX control to install. Certain Internet browsers, such as Netscape, Opera and Firefox, do not support ActiveX controls. To transfer files using these browsers, use the Web File Transfer utility.

Once installed, the Dual Pane File Transfer screen appears.



To transfer files using Dual Pane File Transfer:

- 1 Browse to the folder where the files you want to transfer are located, on either the local or host PC.
- 2 On the PC to which you will transfer files, select or create the folder where you want the files to be copied.
- 3 On the PC from which you will transfer files, select the files you want to transfer.
- 4 Drag and drop these files to the target folder location.

NOTE: For more information on Dual Pane File Transfer, see the The File Transfer chapter of the Laplink Everywhere User Guide.

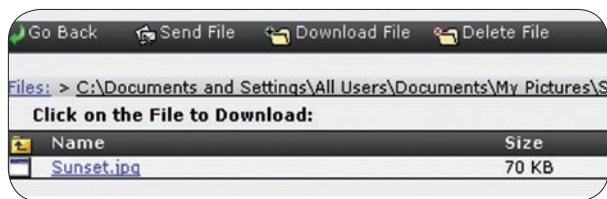
Web File Transfer Utility

The Web File Transfer Utility allows you to browse and choose an individual file, and provides you the ability to manage files in many different ways. Using the Web File Transfer Utility allows you to transfer and share critical files from any web-enabled computer or device without needing to download an ActiveX control.

As you navigate through folders, your folder path is listed at the top. Each step in the path is an active hyperlink. Click on any folder in the path to go directly to that folder.

File Options

Once you've selected a file, another screen appears, providing several options.



Download File - This allows the user to download the selected file to the current desktop, and to choose the download directory.

Delete File - This option provides the ability to delete individual files on the host PC.

Send Files by Secure Link or Attachment - Allows users to send specific files via email, either by sending a secure, click-and-download web link to a file, or as a standard email attachment.

Sending as a secure link sends the recipient an email with a secure URL for them to use to download the file. They can then click on the link and download the file, directly from your PC. The advantage of sending a link is that files of any size or type can be sent.

Using either method, LLE sends the file directly from your host PC, instead of first downloading to the PC you are connecting from. This makes the process quick and easy, while allowing the mobility you need.

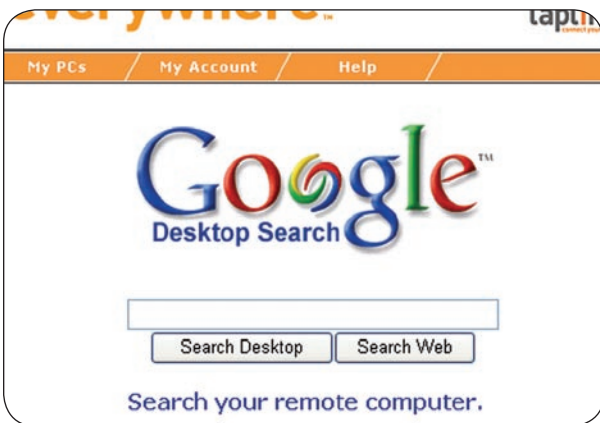
NOTE: To learn more about File Transfer, go to the File Transfer chapter of the Laplink Everywhere User Guide.

Remote Desktop Search and Favorites

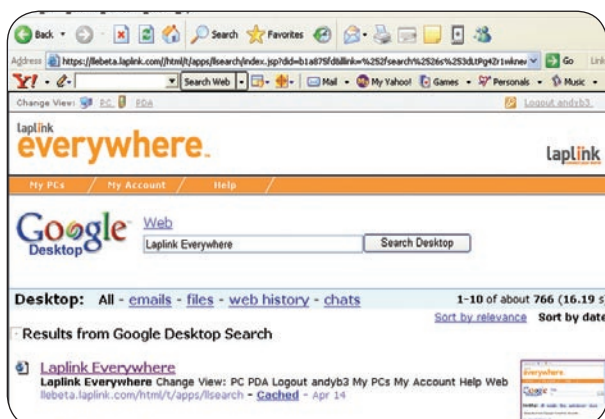
Laplink Everywhere offers several utilities to make it even easier to connect in and find what you need on your PC when on the road.

Remote Desktop Search

Laplink Remote Desktop Search allows you to search your host PC for files or emails as easily as if you were sitting at your PC, with even greater capabilities. As noted before, the desktop search software must be installed on your host PC in order to use this functionality when connecting remotely. In the Utilities section, click on the Remote Desktop Search link.



This brings you to your Desktop Search. From here, it works just like it does when you are at your PC. Simply enter the search text, and click the Search Desktop button.

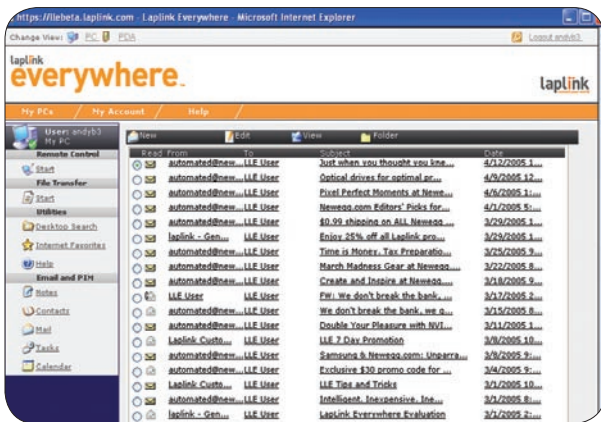


Remote Desktop Search via LLE allows you to perform a desktop search from any browser on a PC, PDA or Smartphone. Not only can you search your host PC for files and emails from any web-enabled device, but you can now act upon the search results- respond to emails, send secure links or file attachments- from anywhere, from any device with an Internet connection, without launching any other applications.

Once you've searched and found what you want on your PC, you have all the file transfer options available when using File Transfer (download, send or delete). See previous File Transfer section to review details.

Internet Favorites

Save a favorite on your PC, but can't remember what it's called? LLE gives you access to all your Internet favorites, so you have full access to your sites while away from the office. Click on the Internet Favorites link to access your favorite web links on your host PC.



Laplink Everywhere gives you fast, secure web access to your email, contacts and other Outlook and Outlook Express information on your host PCs.

Other Drop-Down Menus and icons

Status bar - The status bar lists the options available to you in your current screen. Different icons and drop-downs are shown, depending on which option you've selected (Mail, Contacts, Calendars, et cetera).

To open an email - Click on Mail on the left toolbar, then on any of the headings for that email (From, To, Subject, Date) to open.

Email Message Options

Laplink Everywhere email, while looking a little different, offers much of the same flexibility and power as your Outlook or Outlook Express email. To learn more about sending and receiving email using LLE, go to the Using Email, Calendar, Contacts, Tasks and Notes section of the LLE User Guide.

Using PDAs and Smartphones

LLE allows you to use your web-enabled hand-held devices to access critical data and files on your host PCs. You can read and reply to email, search for files, use remote desktop search, check and change calendar events, and more. It is very easy to use; just log on to the Internet on your PDA, and go to www.l2go.com, and log in to LLE. Click on My PCs, then choose the PC you want to connect to.

LLE supports devices running the following operating systems:

- Microsoft Pocket PC 2000, 2002 or 2003
- Windows CE
- Windows Mobile
- Palm OS 5.2.1 or higher
- Symbian

Imagine searching your desk for a file, finding it and sending it to a colleague, all from your Smartphone or PDA as you wait to board a flight. As long as your handheld device has Internet access, then you have full access to your host PC using LLE. For more on using LLE with your PDA, go to the Using PDAs and Smartphones section of the Laplink Everywhere User Guide.

