DXLab Launcher 1.9.0

Overview

The DXLab Launcher enables you to
- determine whether new DXLab application upgrades or database upgrades are available
- install new DXLab applications, and upgrade or restore already installed DXLab applications
    - determine which DXLab applications are installed and which are uninstalled
    - install a DXLab application from a designated distribution web site or a local folder
    - compare the versions of installed DXLab applications with the versions currently available
    - upgrade a currently-installed application from a designated distribution web site or a local folder
    - restore a currently-installed application from a designated distribution web site or a local folder
- control the execution of DXLab and non-DXLab applications
    - start or stop a group of DXLab applications and up to sixteen other applications with a single mouse click
    - minimize or restore the main windows of all running DXLab applications with a single mouse click
    - start, minimize, restore, or stop individual DXLab applications
    - view at a glance the state of all DXLab applications
    - start individual non-DXLab applications
- manage the Windows registry settings of your DXLab applications
    - save all DXLab applications Windows Registry settings to a workspace (a sub-folder in the Launcher's Workspaces folder)
    - restore all DXLab applications Windows Registry settings from a workspace (a sub-folder in the Launcher's Workspaces folder)
    - save a DXLab application's Windows Registry settings to a specified file
    - restore a DXLab application's Windows Registry settings from a specified file
    - delete a DXLab application's Windows Registry settings
- direct all applications to place their windows on the primary monitor

DXLab Prerequisites

To run a DXLab application, you'll need
- a PC running Windows 98, Windows 2000, Windows NT, Windows XP, Windows Vista, Windows 7, or Windows 8, ideally
    - 1 gHz Pentium or better
    - 500 mb RAM or better
- an SVGA display (resolution 800 x 600) or better

To run multiple DXLab applications, you'll need a faster processor and more RAM. Windows 98's memory restrictions will not enable it to support the entire DXLab Suite.
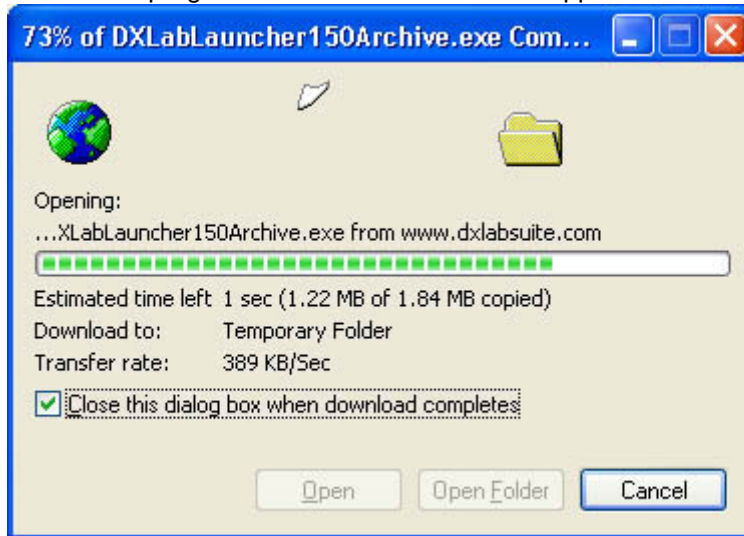
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Download and Installation

If you're installing the Launcher onto a PC running Vista, first login to the account named Administrator.

To install the DXLab Launcher, navigate to http://www.dxlabsuite.com/download.htm and click its **Install Launcher** button. When the following window appears, click its **Run** button:
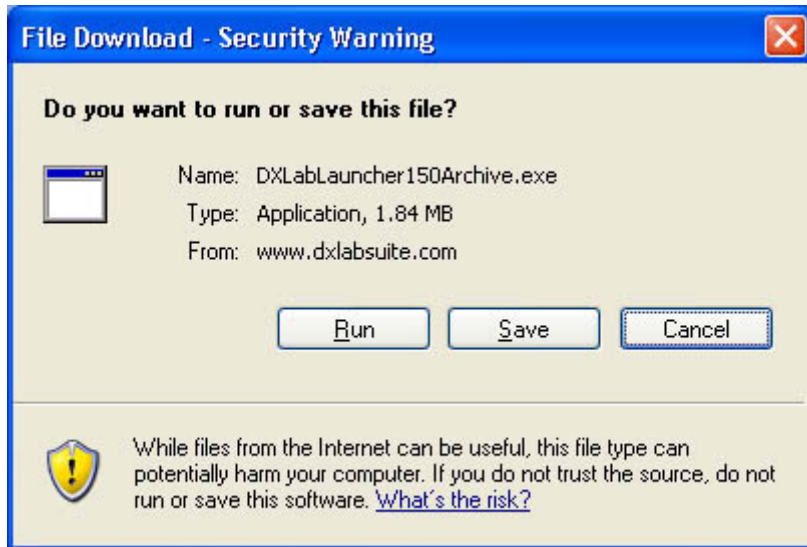
A download progress window like this one will appear while the file is being downloaded:

If on clicking the **Install Launcher** button your web browser displays a window without a **Run** button, for example:
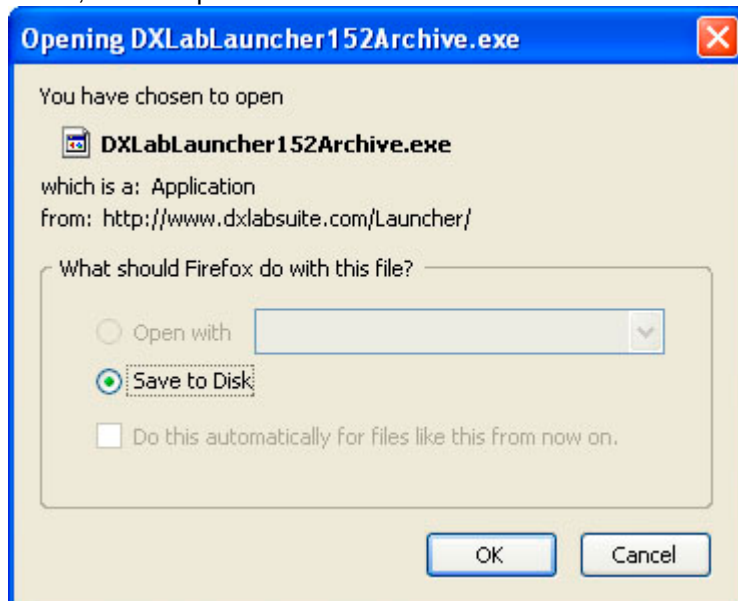

then create a new folder named **c:\DXLabLauncher**, click the window's **OK** button, and save the downloaded DXLabLauncher Archive file into the folder **c:\DXLabLauncher**. When the download is complete, use Windows Explorer to open **c:\DXLabLauncher**, and run the DXLabLauncher Archive file by double-clicking it.

If this window or one like it should appear, click its **Run** button:
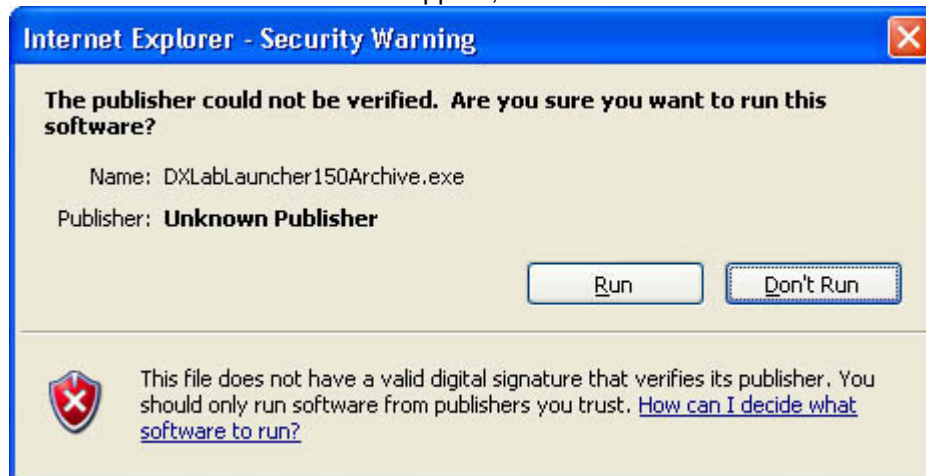
The next window informs you that the **DXLabLauncher Setup** program will run, after which the Launcher itself will start. The abbreviated captions on the Launcher's buttons are expanded here so you'll know which button to click to install the desired DXLab application. Before proceeding, its best to terminate any other applications running on your PC; this prevents conflicts when installing shared files. When you're ready, click the **OK** button:
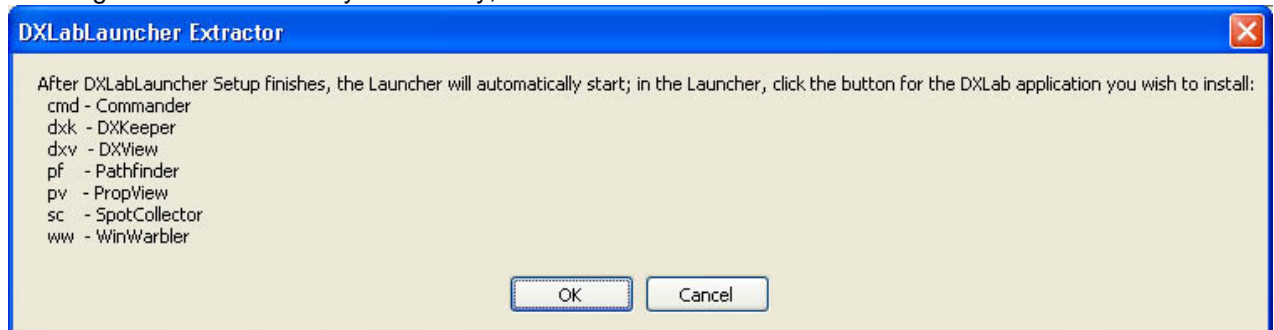

Several windows will flash by while the DXLabLauncher initializes. You should have already terminated any other running applications, so click the **OK** button when this Welcome window appears:

Before clicking the **Install** button in the window below,

1. leave the **create desktop shortcut...** box checked unless you **don't** want a desktop shortcut to the Launcher created; a desktop shortcut makes it easy to start the Launcher, which in turn can start any DXLab application, so most users will leave this box checked
2. leave the **start DXLabLauncher...** box checked
3. since you're already viewing **Getting Started with DXLab**, uncheck the **Show Getting Started...** box
4. if you want to install the Launcher in a folder **other than** the one shown in the **Directory** panel, then click the **Change Directory** button and select the desired destination folder
5. when you're ready, click the **Install** button
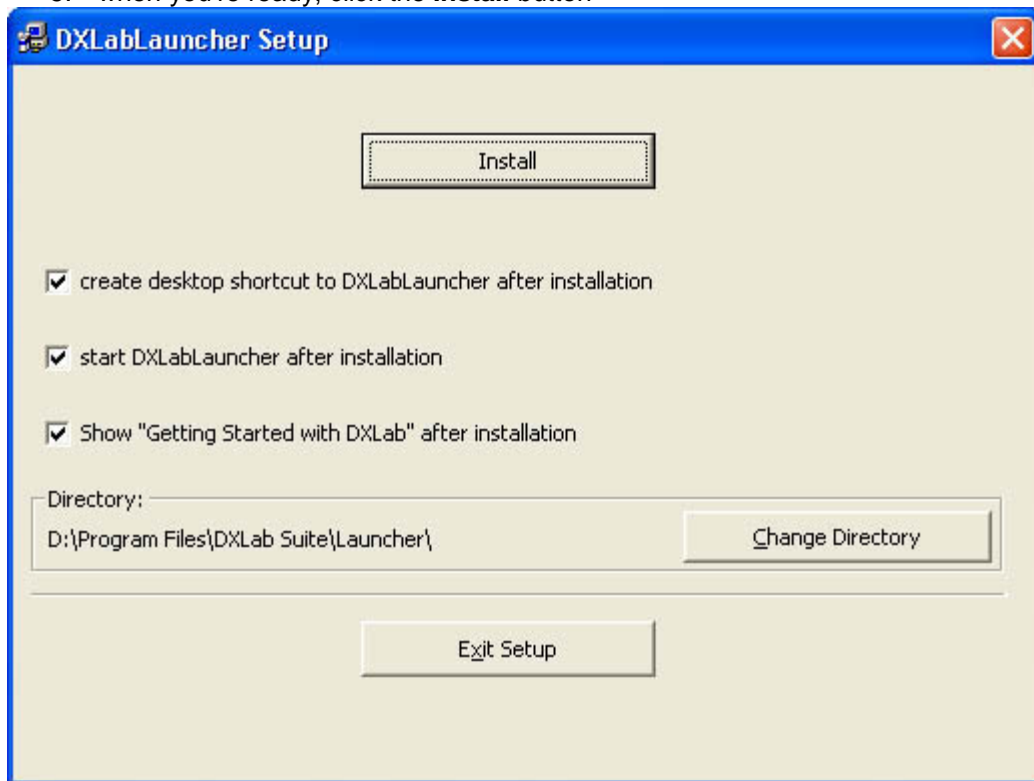
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Placing start menu entries for DXLab applications in a group named **DXLab Suite** is recommended, so just click this window's **Continue** box:
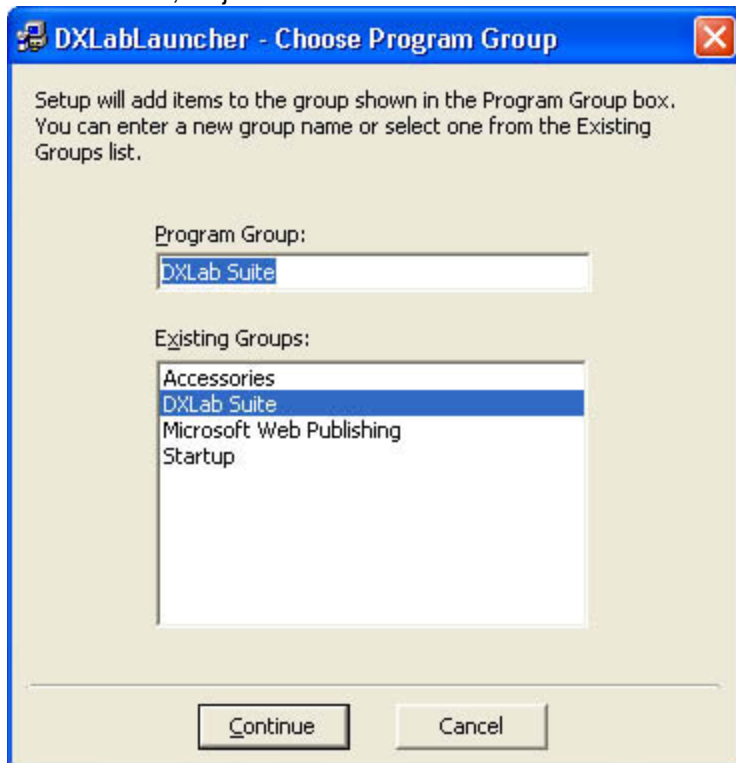
DXLabLauncher Setup will now install the Launcher, displaying its progress as it proceeds:
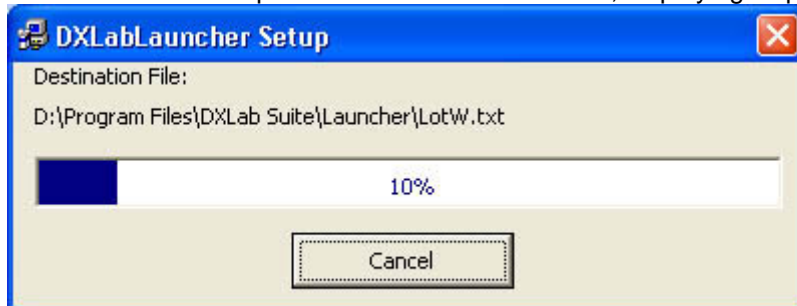
When the DXLabLauncherSetup completes, click the **OK** button:

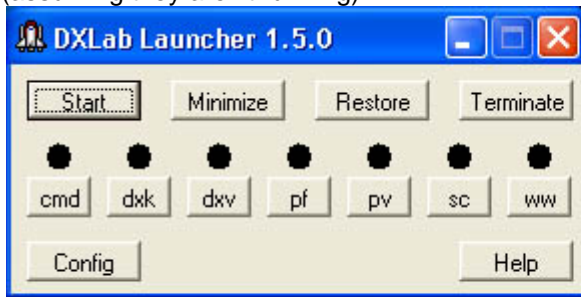The DXLab Launcher will now start. If no other DXLab applications are installed, the LED-like displays above each of the Launcher's application control buttons are shown in **black**. If you previously installed other DXlab applications, their LED-like displays will be shown in **red** (assuming they aren't running).

No DXLab applications installed   Pathfinder and WinWarbler already installed

To install an uninstalled application, click the appropriate Launcher button:
- **cmd** - Commander (transceiver control)
- **dxk** - DXKeeper (logging)
- **dxv** - DXView (DX information and antenna rotator control)
- **pf** - Pathfinder (QSL route discovery)
- **pv** - PropView (Propagation Prediction)
- **sc** - SpotCollector (DX and WWV spot collection and analysis)
- **ww** - WinWarbler (PSK31, PSK63, RTTY, CW, and Phone operation)

See http://www.dxlabsuite.com/dxlabwiki/InstallApplication for additional information.

To upgrade an installed DXLab application, see
http://www.dxlabsuite.com/dxlabwiki/UpgradeApplication

You can uninstall DXLab Launcher by running the Add/Remove Programs applet on the Windows control panel.

If you have questions or suggestions, please send them via email to the DXLab reflector at dxlab@yahoogroups.com.

Configuration

Using the Launcher's **Configuration** window, you can
1. Specify a pathname for each DXLab application you are using
2. Specify the pathname of the log file to be opened by DXKeeper after startup
3. Specify non-DXLab applications to be started before DXLab applications are started
4. Specify non-DXLab applications to be started after DXLab applications are started
5. Specify Main Window Captions for non-DXLab applications to enable their termination by the Launcher
6. Indicate which applications are to be started or stopped when you click the Main window's Start or Terminate buttons respectively
7. Indicate whether the specified applications should be automatically started when the Launcher is started
8. Indicate whether or not you want the Launcher's main window to always be "on top"
9. Indicate whether the Launcher's Main window should automatically minimize after the specified applications are started
10. Indicate whether the Workspaces window should be displayed on startup
11. Indicate whether the Launcher should check for new versions of installed applications on startup and daily thereafter
12. Direct the Launcher to immediate check for new versions of installed applications
13. Specify the web site or local folder from which applications will be installed or upgraded
14. Indicate whether the Launcher should automatically shut down after you click the Terminate button

To display the Launcher's **Configuration** window, click the Config button in the Launcher's Main window. The **Configuration** window contains two panels: the **DXLab Applications** panel, and the **Other Applications** panel. Each of these panels provides a row of controls for each application.

Specifying a DXLab application's pathname
To specify a DXLab application's pathname, locate the application's row in the **DXLab Applications** panel, and click the **Sel** button in this row. The Launcher will display an **Open** dialog box that makes it easy to select the application's executable file, such as
```
C:\Program Files\DXLab Suite\WinWarbler\WinWarbler.exe
```
or
```
D:\Program Files\SpotCollector\SpotCollector180.exe
```

The pathname of the file you select will appear in the application's **Program Path** textbox.
If on startup, the Launcher finds an installed DXLab application whose **Program Path** textbox is empty, it will initialize this textbox with the pathname of the installed executable. If you have downloaded a later version of this application's executable to a different pathname, use the **Sel** button to select that pathname.

Specifying a log file pathname
To specify the pathname of a log file to be opened by DXKeeper after startup, click the **Sel** button in the **DXLab Application** panel's **Startup Parameters** sub-panel, and choose the desired log file. If no log file pathname is specified, DXKeeper will open log in use during the previous operating session.

Specifying non-DXLab applications to be started before DXLab applications are started
The Launcher allows you to specify up to 8 non-DXLab applications that can be started in a specified order before you start a group of DXLab applications. Initially, these are depicted on the **Apps Started Before Other Applications** tab as *Before App 1* through *Before App 8*. To specify the pathname of such an application, click the **Show Paths** button, then click the **Sel** button associated with an unused **Program Path** textbox, and use the **Open** dialog box to select the application's executable file, e.g.
```
C:\Program Files\DX Atlas\DxAtlas.exe
```

When you select an executable file, the Launcher updates the **Application** column with the executable file's simple name. Using the preceding example, the entry in the **Application** column would be *DXAtlas*.

Check the **Enab** box associated with any non-DXLab application that should be started when you click the **Start** button on the Launcher's Main window. Check the **Start Minimized** box associated with any application that should be started with its Main window minimized; note that not all applications obey this directive.

To delay the start of subsequent non-DXLab or DXLab applications for a specified interval after a non-DXLab application is launched, specify the duration of that interval in seconds in the **Delay** box associated with this application.

If you want a non-DXLab application to terminate when you click the **Terminate** button on the Launcher's Main window, you must specify the "caption" displayed in the title bar of its Main window. To do so, click the **Show Captions** button, and enter the caption in the application's **Main Window Caption** textbox. Note that the specified caption must exactly match the caption shown on the Windows Task Manager's Applications tab, including upper/lower case characters, spaces, and punctuation. Non-DXLab applications whose Main Window Caption changes over time cannot be terminated via the Terminate button.

Specifying non-DXLab applications to be started after DXLab applications are started
he Launcher allows you to specify up to 8 non-DXLab applications that can be started in a specified order after you start a group of DXLab applications. Initially, these are depicted on the **Apps Started After Other Applications** tab as *After App 1* through *After App 8*. To specify the pathname of such an application, click the **Show Paths** button, then click the **Sel** button associated with an unused **Program Path** textbox, and use the **Open** dialog box to select the application's executable file, e.g.
`C:\Program Files\DX Atlas\DxAtlas.exe`

When you select an executable file, the Launcher updates the **Application** column with the executable file's simple name. Using the preceding example, the entry in the **Application** column would be *DXAtlas.*

Check the **Enab** box associated with any non-DXLab application that should be started when you click the **Start** button on the Launcher's Main window. Check the **Start Minimized** box associated with any application that should be started with its Main window minimized; note that not all applications obey this directive.

If you want a non-DXLab application to terminate when you click the **Terminate** button on the Launcher's Main window, you must specify the "caption" displayed in the title bar of its Main window. To do so, click the **Show Captions** button, and enter the caption in the application's **Main Window Caption** textbox. Note that the specified caption must exactly match the caption shown on the Windows Task Manager's Applications tab, including upper/lower case characters, spaces, and punctuation. Non-DXLab applications whose Main Window Caption changes over time cannot be terminated via the Terminate button.

Indicating which applications are to be started or terminated as a group
The Launcher's Main window lets you start or stop DXLab applications individually. It also allows you to start or stop a group of applications with a single mouse click. Each member of this group is designated by checking the associated **Enable** box in the **DXLab Applications** and **Other Applications** panels. If the **CTRL** key is depressed when the **Terminate** button is clicked, applications are terminated whether or not their associated Enable box is checked.

Automatically starting the specified applications
If you want the Launcher to automatically start the specified operations without waiting for you to click the Start button, then check the **Configuration window**'s **Auto Start** box.

Keeping the Launcher's Main window visible at all times
If you want the Launcher's Main window to be visible even when another window is placed atop it, then check the **Configuration window**'s **Always On Top** box.

Automatically minimizing the Launcher's Main window after starting the specified applications
If you want the Launcher's Main window to automatically minimize after the specified applications are started (either by your clicking the **Start** button or by having the **Auto Start** box checked), then check the **Configuration window**'s **Minimize After Start** box.

Indicating whether the Workspaces window should be displayed on startup
If you want the Launcher to display the Workspaces window on startup, then check the **Configuration window**'s **Workspaces On Startup** box.

Automatically check for new versions of installed applications on startup and daily thereafter
If you want the Launcher to report the availability of new versions of installed DXLab applications on startup and daily thereafter, then check the **Check for New each day** box.

Immediately check for new versions of databases and installed applications
To immediately check for new versions of databases and installed DXLab applications, click the **New ?** button. To see what versions of the DXCC, IOTA, USAP, LOTW, and eQSL AG databases are presently installed and available, click the **Databases** button to display the Launcher's **Databases** window. Double-clicking the **DXCC Database**'s **Installed** or **Available** version number will display its Change Notes.

Specifying the web site or local folder from which DXLab applications are installed or upgraded
Several web sites host DXLab development versions. Specify the site from which the Launcher will download new version via the **Distribution Site** selector. You can direct your web browser to navigate to the select **Distribution Site**'s download web page by clicking the **Visit** button.

Alternatively, you can set the **Distribution Site** selector to *local folder* and set the **Install folder pathname** to designate a folder containing
- a file named `FullInfo.txt` that enumerates the available full (archive) releases formatted as shown at
  http://www.dxlabsuite.com/fullInfo.txt
- a file named `ReleaseInfo.txt` that enumerates the available update releases formatted as shown at
  http://www.dxlabsuite.com/ReleaseInfo.txt
- a folder for each DXLab application, each of which contains the application's archive and update self-extracting executables; these folders must be named
    o `Commander`
    o `DXKeeper`
    o `DXView`
    o `Pathfinder`
    o `PropView`
    o `SpotCollector`
    o `WinWarbler`
    o `DXLabLauncher`

Automatically shutting down the Launcher after terminating the specified applications
If you want the Launcher to automatically shut down after you click the **Terminate** button and all applications have terminated, then check the **Configuration window**'s **Shutdown After Terminate** box.

Automatically terminate all specified applications when the Launcher is shut down
If you want all specified applications to be terminated when the Launcher is shut down, then check the **Configuration window**'s **Terminate on Shutdown** box.

Resetting application windows to the primary monitor
The Configuration window's **Reset** button directs all running DXLab applications to arrange their windows on the primary monitor. This operation is useful if you have switched from a dual-monitor configuration to a single-monitor configuration and need to regain access to windows previously resident on the second monitor.

When checked, the Configuration window's Log Debugging Information box produces a file named `errorlog.txt` that captures diagnostic information.

Other Settings

- Use Multiple Monitors: if not checked, windows that were displayed on a secondary monitor during the previous session will be restored to the primary monitor on startup
- Log Debugging Info: when checked, debugging information will be recorded in the file `errorlog.txt`
- Browser pathname: lets you specify the pathname of the HTML browser that's used to display online documentation; click the associated **Sel** button to display a file selector window that lets you choose the desired browser.

Controlling Applications
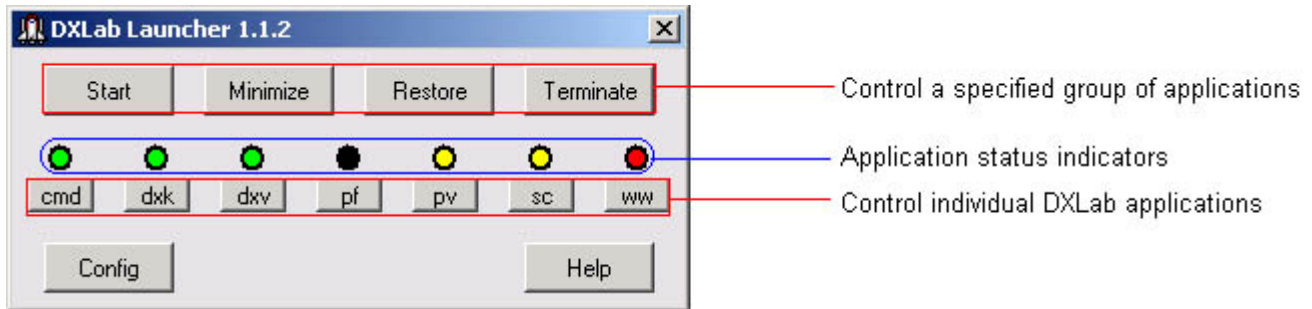
As shown in the annotated screen shot above, the DXLab Launcher's Main window provides three primary groups of controls:

- A set of seven **Application Status Indicators** the indicate the state of each member of the DXLab Suite
- A set of seven **Individual Application Control Buttons** that enable you to change the state of each DXLab application
- A set of four **Group Control Buttons** that enable you to control multiple applications -- DXLab and non-DXLab -- simultaneously

The Main window also provides buttons that display the Launcher's Configuration window and provide access to its online documentation.

The Configuration window provides **Start** buttons that enable you to start individual non-DXLab applications.

The Configuration window's **Reset** button directs all running DXLab applications to arrange their windows on the primary monitor. This operation is useful if you have switched from a dual-monitor configuration to a single-monitor configuration and need to regain access to windows previously resident on the second monitor.

Application Status Indicators
Each application status indicator's color reveals the state of the DXLab application associated with the button below it:

Indicator Color	Current State
black	not installed
red	not running
cyan	starting
green	running, not minimized
yellow	running, minimized
white	terminating

Individual Application Control Buttons

Each of these buttons controls one of the seven DXLab applications:

Caption	DXLab Application
cmd	Commander
dxk	DXKeeper
dxv	DXView
pf	Pathfinder
pv	PropView
sc	SpotCollector
ww	WinWarbler

When you click one of these buttons, the Launcher's action is determined by two factors:
- the application's current state
- whether or not you depressed the **Ctrl** key while clicking the button

Current Indicator Color	Current State	Action	New State	New Indicator Color
black	not installed	user clicks **Individual Control Button**	not running	red
red	not running	user clicks **Individual Control Button**	starting	cyan
cyan	starting	application loads and runs	running, not minimized	green
green	running, not minimized	user clicks **Individual Control Button**	running, minimized	yellow
green	running, not minimized	user **Ctrl**-clicks **Individual Control Button**	terminating	white
yellow	running, minimized	user clicks **Individual Control Button**	running, not minimized	green
yellow	running, minimized	user **Ctrl**-clicks **Individual Control Button**	terminating	white
white	terminating	application terminates	not running	red

Clicking an **Individual Control Button** offers to install a DXLab application that isn't yet installed, and starts an installed DXLab application that isn't running. If an application is running, clicking its **Individual Control Button** alternates between hiding all of its windows and restoring its Main window. user **Ctrl**-clicks **Individual Control Button**. Clicking a running application's **Individual Control Button** terminates that application.

If the Launcher's Main window is activated, allowing the mouse cursor to hover over an **Individual Control Button** will produce a popup message describing the action that would be taken if the button were to be clicked or **Ctrl**-clicked.

If DXKeeper is running and you minimize its windows by clicking its **Individual Control Button**, it remembers whether or not its Capture window was already minimized. If not, the DXKeeper will restore both its Main and Capture windows when you again click its **Individual Control Button.**

If DXView is running and you minimize its windows by clicking its **Individual Control Button**, it remembers whether or not its World Map window was already minimized. If not, the DXView will restore both its Main and World Map windows when you again click its **Individual Control Button.**

Clicking an application's **Status Indicator** is equivalent to clicking its **Individual Control Button**.

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You can optionally specify the pathname of a log file to be opened by DXKeeper on startup.

Group Control Buttons

Caption	Function
Start	• start all applications whose Enabled box is checked
Minimize	• hide all windows of all running DXLab applications
Restore	• restore the Main windows of all running DXLab applications
Terminate	• if the **CTRL** key is not depressed, terminate all applications whose Enabled box is checked • if the **CTRL** key is depressed, terminate all applications whether or not their Enabled boxes are checked • non-DXLab applications are only terminated if their Main Window Caption is specified (whether or not **CTRL** is depressed)

If DXKeeper is running and you click the **Minimize Button**, it remembers whether or not its Capture window was already minimized. If not, the DXKeeper will restore both its Main and Capture windows when you click the **Restore Button.**

If DXView is running and you click the **Minimize Button**, it remembers whether or not its World Map window was already minimized. If not, the DXView will restore both its Main and World Map windows when you click the **Restore Button.**

You can optionally specify the pathname of a log file to be opened by DXKeeper on startup.

Starting non-DXLab applications
The Configuration window's **Apps Started Before DXLab Apps** and **Apps Started After DXLab Apps** tabs provide **Start** buttons that enable you to start individual non-DXLab applications.

Displaying the Launcher's Configuration window
To display the Configuration window, click the Main window's **Config** button.

Installing, Upgrading, and Restoring DXLab Applications

Determining DXLab application installation status and version availability
To determine which DXLab applications are installed, and what development versions are currently available, click the **Configuration window**'s **New ?** button. If you want the Launcher to automatically update installation status and determine what development versions are available versions when its first started and daily thereafter, then check the **Check for New each day** box.

DXLab applications that are not installed are shown with black **application status indicators** on the Main window, and in red font in the **Application** column of the **Configuration window**'s **DXLab Apps** tab.

If you uninstall a DXLab application, click the **New ?** button to update the Launcher's display of installed applications.

Installing DXLab applications
If a DXLab application has not been installed on your PC, its name will be displayed in red font in the **Configuration window**'s **DXLab Applications** panel. If you have selected a **Distribution Site** or a **local folder**, then clicking the application's **Install** button in the **DXLab Apps** tab will
1. let you choose a folder into which the application should be installed, defaulting to the folder specified in the application's **Program Path** in the **Configuration window**'s **DXLab Apps** tab
2. download the full release's zip archive from the selected **Distribution Site** or copy the full release's zip archive from the specified **local folder**
3. extract all files in the zip archive and run the application's setup program to properly deploy them in the selected installation folder; this setup program will appear on screen and will display instructions that you must follow
4. download, extract, and deploy any additional files required by the application
5. ask you whether to download, extract, and deploy any optional files used by the application
6. update the application's **Program Path**
7. determine whether an upgrade is available and if so apply it

You can also initiate the installation of an uninstalled DXLab application by clicking its **Individual Application Control Button** on the Main window.

Upgrading installed DXLab applications
The version numbers of both **Installed** and **Available** releases are shown on **Configuration window**'s **DXLab Apps** tab; double-clicking a version number will display its **Release Notes**. If a new release of an installed DXLab application is available and you have selected a **Distribution Site** or a **local folder**, then clicking the application's **Upgrade** button in the **Configuration window**'s **DXLab Apps** tab will
1. inform you if the application in question is currently running so you can terminate the application before re-initiating the upgrade operation
2. download the new development version's zip archive from the selected **Distribution Site** or copy the new development version's zip archive from the specified **local folder**
3. extract all files in the zip archive and properly deploy them in the folder specified by the **Program Path** in the **Configuration window**'s **DXLab Apps** tab
4. create a copy of the application's executable without an embedded version number (e.g. DXKeeper.exe or WinWarbler.exe) and if necessary update the **Program Path** in the **Configuration window**'s **DXLab Apps** tab to refer to this executable
5. delete the zip archive downloaded in step 2

Restoring installed DXLab applications
If you are running a version of an installed DXLab application that is the same as or more advanced than the development version and you have selected a **Distribution Site**, then clicking the application's **Restore** button in the **Configuration window**'s **DXLab Apps** tab will

1. inform you if the application in question is currently running so you can terminate the application before re-initiating the restore operation
2. download the development version's zip archive from the selected **Distribution Site** or copy the new development version's zip archive from the specified **local folder**
3. extract all files in the zip archive and properly deploy them in the folder specified by the **Program Path** in the **Configuration window**'s **DXLab Apps** tab
4. create a copy of the application's executable without an embedded version number (e.g. DXKeeper.exe or WinWarbler.exe) and if necessary update the **Program Path** in the **Configuration window**'s **DXLab Apps** tab to refer to this executable
5. delete the zip archive downloaded in step 2

Uninstalling DXLab applications
The Launcher cannot uninstall a DXLab application; to do this, open the **Windows Control Panel**, run the **Add or Remove Programs** applet, select the DXLab application you wish to uninstall, and then click the **Remove** button. Then click the Launcher's **New ?** button to update its display of installed DXLab applications.

Saving and Restoring Registry Settings

In conformance with Windows programming standards, DXLab applications store their settings in the Windows Registry. Such settings persist between operating sessions, and also survive the installation of both full releases and development releases. There are several reasons to save a DXLab's registry settings to a file:

1. for archival storage, to be restored in the event of hardware or operating system failure
2. to copy settings from one PC to another
3. to establish multiple "operating configurations" and rapidly switch between them

Saving and restoring DXLab application settings with workspaces

The Launcher lets you save the settings of all specified DXLab applications into a *Workspace* - a folder in the Launcher's `Workspaces` folder; each application's settings are stored within the workspace folder in an appropriately named file whose suffix is `.reg`. You can *activate* a Workspace: restore the registry settings from each `.reg` file contained in that Workspace. The name of the most recently-activated Workspace is shown between square brackets in the Configuration window's title bar; if no application or database updates are available, the name of the most recently-activated Workspace is also displayed on the Main window as **WS: WorkspaceName**.

The Launcher's Workspace window displays a list of available Workspaces; letting the mouse cursor hover over a Workspace in this list will display a popup window showing the names of DXLab applications for which settings are stored in that workspace. To display the Workspace window, click the Configuration window's **Workspaces** button; if **WS: WorkspaceName** is displayed on the Main window, clicking it will also display the Workspace window.

The Workspace window provides the following functions:

New prompts you to specify a Workspace name, and then creates the Workspace
- since Workspaces are folders, Workspace names must conform to the rules for folder names

Activate restores registry settings from each .reg file contained in the selected Workspace
- most DXLab applications only check their registry settings on startup, but the Launcher will immediately update its settings from the registry after completing this operation
- its a good idea to terminate all running DXLab applications except the Launcher before invoking this function; otherwise, currently running DXLab applications could overwrite the restored registry settings when you later terminate those applications

Update saves the registry settings of all specified DXLab applications into `.reg` files in the selected Workspace, over-writing any existing files in that Workspace
- settings are saved for each DXLab application with a valid Program Path in the Configuration window's DXLab Applications panel

Delete deletes the selected Workspace

If no Workspace is selected, the **Activate**, **Update**, and **Delete** buttons will be disabled (grayed out); to select a Workspace, click on its entry in the Workspace List.

For the purpose of backup and recovery, its recommended that you specify pathnames for all of your DXLab applications in the Configuration window's DXLab Applications panel; create a New workspace, and then Update this workspace. Backing up the Launcher's `Workspaces` folder (and its sub-folders) will make it easy to later recover, should your PC subsequently suffer hardware or software problems, or should you wish to install DXLab on another PC and have it use identical settings. **Important note**: if using Windows Explorer to navigate the Launcher's `Workspaces` folder and its sub-folders, do not double click on a `.reg` file unless you want that file's settings immediately loaded into the Windows registry!

To establish multiple operating configurations,
1. setup your DXLab applications for the first configuration
2. create a new workspace with an appropriate name, and select the newly-created workspace
3. click the Workspace window's **Update** button
4. if more configurations remain, setup your DXLab applications for the next configuration, and proceed to step 2

To switch from one operating configuration to another
1. terminate all running DXLab applications except the Launcher; the Launcher's Terminate button is a convenient way to do this
2. select the workspace representing the desired configuration
3. click the Workspace window's **Activate** button

Saving, clearing, and restoring Windows Registry settings for individual DXLab applications
The **Registry** panel on the **DXLab Apps** tab of the Launcher's Configuration window provides buttons that enable you to save a DXLab application's registry settings to a file of your choice, or load an application's registry settings from a file of your choice; the Windows standard `.reg` extension is used in both cases. Clicking an application's **Sv** button saves that application's registry settings to a file; clicking an application's **Ld** button loads that application's settings from a file. When invoking an application's registry save or registry load functions, the application should not be running. The Launcher will immediately update the applications settings from the registry after completing the **Ld** operation.

Important note: If you save a DXLab application's registry settings to a file and later wish to visually examine the contents of that file, do not invoke the Windows Explorer and double-click on the file. Rather than display the file's contents in Notepad, as happens when you double-click on a *.txt* file, double-clicking on a `.reg` file updates the Windows registry with the contents of the file -- just as if you'd clicked the Launcher's **Ld** button. To view the contents of a `.reg` file, start Notepad (or the editor of your choice) manually, and then **File:Open** the `.reg` file.

The **Registry** panel also enables you to delete all of a DXLab application's Windows Registry settings; to do so, depress the CTRL key while clicking the associated **Ld** button. Before invoking this function, saving the application's registry settings to a file by clicking the **Sv** button is recommended.