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Installing ERGO from the Internet

How do I install ERGO?

Download and save the installation package from our web site at <http://www.swldx.com>

Extract all files into a temporary folder.

Run (double click) SETUP.EXE and ERGO will be installed automatically.

By default, ERGO is installed into C:\Program Files\CreativeExpress\Ergo4.

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Running Ergo in Windows 7

How do I ensure that ERGO runs properly in Windows 7? (The following is based on testing with Windows 7 Home Premium, 32 and 64 bit, on December 4, 2011.)

- Just run the installation as indicated in [Installing ERGO from the Internet](#).
- Windows 7 compatibility seems much improved over Vista. There is no longer any need to do special configurations such as running as Administrator (assuming you are a user with Administration privileges).
- Change the location of the database configuration file, as follows:
 - Navigate to C:\Program Files\Common Files\Borland Shared\BDE folder.
 - Run BDEADMIN (BDE Administrator application) and go to the Configuration Tab
 - Under Drivers – Native, select PARADOX, and change NET DIR to point to a location other than the root directory (which unfortunately is the default). A suggested location is C:\Users\Public\Documents\
 - Apply the change and close BDE Administrator

- Run Program Update from within ERGO (Help Menu) and make sure to get all of the latest files. Run Program Update a second time if you do not update to version 4.3.1.27 of the main program.
- Run ergo4net.exe as an Administrator once. (This is the program that updates propagation information.) After that, there does not appear to be any need to run as an Administrator.

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Running ERGO in Windows Vista

How do I ensure that ERGO runs properly in Windows Vista?

Mark All ERGO Applications to Run as Administrator

By default, Windows Vista interrupts certain program activities such as accessing the Internet for updates or writing certain information to file. This default behaviour may interrupt ERGO. These interruptions can be resolved by marking each ERGO application file (EXE files –Ergo4, Ergo4Net, Ergo4Update and Ergo4DSI) to run elevated.

To mark an application to always run elevated, sign on as an Administrator and, for each application:

1. Right-click on each ERGO application.

Click Properties, and then select the Compatibility tab.

Under Privilege Level, select “Run this program as an administrator”, and then click OK.

User Account Control

Some users also turn UAC (User Account Control) off.

Database Compatibility

ERGO uses Paradox, part of the Borland Database Engine (BDE) as its underlying database. Depending on your security settings, ERGO may fail when you try to open a database. There are actually two different issues that need to be resolved. The first is to make sure that your Vista user account has the right privileges to have full control over the BDE. The second is to prevent BDE from saving files in locations forbidden by Vista. These are both easy to resolve, and can be completed in a couple of minutes.

The symptoms for these issues include warnings about a database engine error, as well as opening the database as empty (without any records).

I have tested these issues and solutions in three different cases which vary according to whether you are logging on to Vista and using ERGO as an Administrator, Standard User, or Guest.

There are two steps to take in permanently resolving these issues.

Step One – Reconfigure Borland Database Engine (BDE) Registry Data

The objective of this step is to ensure that the BDE is configured to Allow Full Control regardless of your account type. This step is required if you intend to use a Standard User or Guest account; it is not required if you intend to always use an Administrator account.

To perform this step, you must log into Vista using your Administrator account.

1. Sign on as Administrator.
2. From the Start menu, where it says *Start Search*, type **regedit** and press Enter. The Registry Editor will open.
3. Navigate to HKEY_LOCAL_MACHINE\SOFTWARE\BORLAND. Right click on BORLAND and open Permissions...
4. If you intend to use Ergo as a Standard User, for the group called Users, set the Permission to Allow Full Control (checkbox).
5. If you intend to use Ergo with a Guest account, do the same thing, set the Permission to Allow Full Control. (If the Group or User Name box does not already contain Guest, you need to add it. To do this, press Add, then type in the name Guest. Check Names and then press Okay.)
2. Click Okay and then close the Registry Editor.

Step Two – Reconfigure the Borland Database Engine (BDEADMIN)

The purpose of this step is to prevent BDE from trying to save a data file (PDOXUSRS.NET) in the root directory (C:\) on your computer. Vista security does not allow this. The change is the same regardless of whether you use an Administrator, Standard User, or Guest account. However, you must make this change using the account you intend to use with ERGO.

1. Sign on as Administrator, Standard User, or Guest – whichever account you intend to use with Ergo.
2. Navigate to C:\Program Files\Common Files\Borland Shared\BDE folder.
3. Run BDEADMIN (BDE Administrator application) and go to the Configuration Tab
4. Under Drivers – Native, select PARADOX, and change NET DIR to point to a location other than the root directory (which unfortunately is the default). A suggested location is C:\Users\Public\Documents\
C:\Users\Public\Documents\
C:\Users\Public\Documents\
5. Apply the change and close BDE Administrator

ERGO and its underlying database engine will now perform properly and the error will not recur.

I apologize for the need for these configuration changes. In a future version of Ergo, I will resolve them automatically. Meanwhile, I have tested and proven these fixes on Vista Home Premium using all three types of accounts.

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Moving ERGO to a New Computer

I just got a new computer. How do I move my ERGO set-up to the new PC?

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- Download the latest version of Ergo from the web site, extract and install.
- Copy your old registration key (ergosn.dll) into the Ergo program folder.
- Run Program Update to get the latest files. Close Ergo.
- Copy any data folders from your old machine to the new one. You can open them in ERGO using File - Open.
- Copy any of the following files from the \User folder on your old PC into the \User folder on the new PC. These include:
 - Profile (*.E60) or Scan (*.E61) files.
 - Old time server settings in the user_timesv.txt file.
 - Old location information in the userlocations.E21 file.
 - Any configured Recordings in the RECORDER.E81 file.
- Run Ergo, set up your receivers, enter your location, etc. and you should have transferred all the relevant information.

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Resetting ERGO

My setup seems to have gotten garbled. Can I do a reset to the original settings without doing another installation?

Yes, the following procedure will erase all user settings and return you to a “just like new” state.

1. Close ERGO.
2. Open the folder where the ERGO program was installed, by default C:\Program Files\CreativeExpress\Ergo4
3. Open the \User folder.
4. Double-click on the icon named “ResetERGO4”. ERGO is now reset.

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Removing ERGO from a Computer

How do I uninstall ERGO from my PC?

Installation is done through Installshield, which also contains an Uninstall wizard, which will remove all files that were installed. However, when you run the program update feature, new files are installed outside of the Installshield process. All files are installed in the folder name you select during installation. In addition, a subfolder called “\User” is created and this is the place for storing configuration files used by Ergo after the installation. If you need to completely remove Ergo from your PC, run the Uninstall, then delete the program folder. Also, all Ergo registry settings are kept in HKEY_CURRENT_USER\Software\Creativexpress.

When uninstalling, you might choose not remove the Borland Database Engine if you use other programs that rely on it.

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Importing Data

HFCC and EIBI Data

Are there any databases that I can use with ERGO?

Yes, there are two public databases – HFCC and EIBI. You can download these from our web site. The versions on our web site have been customized to integrate into ERGO. The sources of these databases are HFCC <http://hfcc.org/data> and EIBI <http://www.eibi.de.vu/>

Please make sure that each database is saved in its own unique folder.

The process for installing either HFCC or EIBI is as follows.

1. Create a new folder on your PC with a unique name, such as “HFCC B08”.
2. Download the data archive (ZIP file) from <http://www.swldx.com/downloads>.
3. Extract all the files from this archive into your new folder.
4. From ERGO, use the File-Open menu item to open the database.

Custom Data

Where do I get more information on how to create and use custom databases?

Download the ERGO Data Manual from <http://www.swldx.com>

Other Issues

I used Excel to create a dBase file, and when I imported it into Ergo, the fractional parts of frequencies disappeared. What happened?

Before you save the Excel data into a dBase file, format entire the Frequency column to show decimals, using the formatting commands in Excel. If you do not do this, Excel seems to truncate the data to integers, for some unknown reason. Formatting the Frequency column forces proper retention of the fractional parts of frequencies in kHz.

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Running ERGO on a Macintosh Computer

Can I run ERGO on my Macintosh?

Yes, although it was not designed as a Mac program, many users have successfully reported being able to do so. The following information was received from a user in 2001.

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I am a Mac user and am running Ergo on PC emulation software. Also I had not seen the Mac info in the FAQ section on your website when I first tried the demo. Even if I had, I still would have had a problem getting things to work. My comment about that now is that it is outdated, but the new information is better.

SoftWindows is no longer available having been discontinued at the end of last year. However, Virtual PC is available and version 4.0 works fine with Ergo on a Mac. The other thing is that Keyspan makes a USB to serial adapter which works directly on a Mac (or PC) without having to do the custom modification discussed on your website for the Mac Twin Serial Adapter (which uses Mac's rs422 wiring on Din connectors).

The Keyspan "High Speed Serial Adapter" (p/n: USA-19W) is a USB to DB9 serial connector, wired in the most common rs232 fashion, so it works with either Mac or PC (although Keyspan recommends that you use only the Mac driver when running Virtual PC on a Mac, and not installing the Windows driver at all). With R8B, you can then just use a straight through wired m/f DB9 rs232 cable.

The only problem I've noticed in using this setup is that ERGO hangs up sometimes if the R8B is already turned on when Ergo is launched (if it's off, Ergo turns it on automatically).

This information was received in January 2002:

Good news! I replaced my KeySpan USB-to-Mac serial adapter with the new KeySpan High-Speed DB9 USB Serial Adapter, and now Ergo4 successfully connects to the R8B under VirtualPC on the Mac.

Although the KeySpan High-Speed Serial Adapter comes with drivers for both the Mac and Windows, I found that it really isn't necessary to load the Windows drivers; all that is required is to tell VirtualPC to use the Keyspan adapter for COM1 (or COM2), and set Ergo to use that port. Also, make sure that in the VirtualPC COM port settings, "Non-modem device" is checked.

This information replaced that provided in January, 2001, which is now outdated, but retained below for background information.

Hi, just thought you'd like to know that I just got ERGO running on my Mac PowerBook, and controlling my Drake R8B. I normally use two laptops, one a Mac PowerBook, the other a Dell Inspiron, but often I don't like to lug both back home. So I decided to try to get ERGO running on the PowerBook.

Here's how it works: First, I installed FWB's SoftWindows, which is a really good PC emulator, whose speed is quite acceptable for processor-light tasks. Out of one of the Mac's USB ports, I have a Keyspan USB-to-serial adapter.

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The trickiest part was building a custom cable, since the Mac's RS-422 spec is different from RS-232C. I used the following pin assignments (I won't go into a discussion of them here)

Mac	DIN-8	RS-232C
1		6
2		8
3		3
4 and 8		5
5		2
6 and 7		none
shield		9 (GND)

Following FWB's recommendation, instead of constructing a special serial cable to go directly from the R8B to the Mac, I made up an "adapter" cable, which plugs into the female end of a standard PC RS232C serial cable. I purchased from MacWarehouse a Male-to-Female DIN8 serial EXTENSION cable (don't just get a modem cable, since some of the wires are missing). I chopped off the female end of this cable, and replaced it with a male DB9, using the pin assignments specified.

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How do I import CSV files into ERGO?

How do I import CSV files into ERGO now that new versions of Excel do not support dBase or Paradox files?

ERGODSI "Import Custom Data" contains a wizard to help you import a dBase or Paradox database into the format for ERGO databases. Previously, we recommended using Microsoft Excel to import CSV (comma separated values) files and then save them in dBase or Paradox format.

This still works fine with Excel 2003. Unfortunately, Excel 2007 no longer supports saving in dBase or Paradox formats.

Here are some alternative approaches if you longer have Excel 2003.

- Use the Calc program in Open Office, which still supports dBase and Paradox formats. (<http://www.openoffice.org/>)

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- Obtain a third party add-in for Excel 2007 which supports dBase and Paradox formats. Several of these are available as shareware.
- Use a freeware program such as Exportizer, which will read in CSV and then export dBase or Paradox. (<http://www.vlsoftware.net/exportizer/>)

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