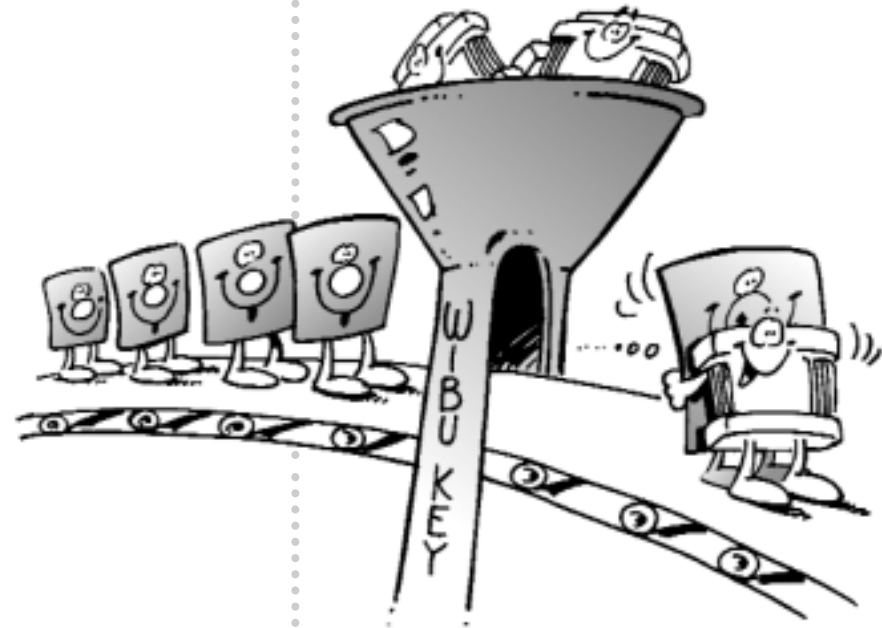


**15 Minutes
to a protected
application**



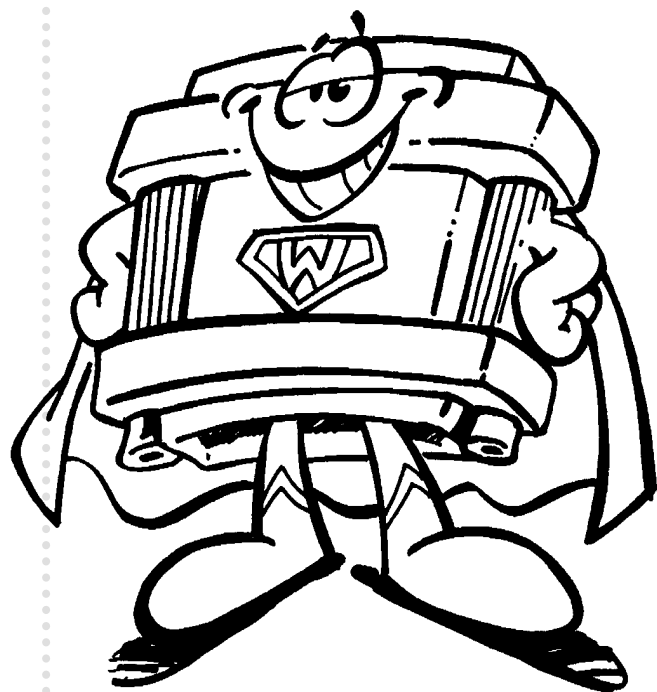
**A Quick Start
Tutorial for
Installing,
Using and
Distributing
WIBU-KEY**

WIBU
SYSTEMS

Welcome to WIBU-KEY,

the ultimate copy protection and network licensing system. This Quick Start Tutorial is designed to get you up and running with WIBU-KEY in only a few minutes. More detailed information about WIBU-KEY can be found in the User's Guide.

This Tutorial will take you step-by-step through the process of installing the system, protecting an application, and preparing the application for distribution. It also contains a quick overview of how to program the WIBU-BOX hardware and the WIBU-KEY end user support tool.



Another helpful resource for learning about the WIBU-KEY system is the Multimedia Tutorial included on the WIBU-KEY CD-ROM. It covers more information than this guide, and is very easy to use.



Installing WIBU-KEY

To install WIBU-KEY, insert the CD-ROM into your CD-ROM drive. The WIBU-KEY CD-ROM Menu will load automatically (otherwise run "START.EXE" from the root directory of the CD-ROM). From here, choose the "Software Setup" option. You can also set up and run the Multimedia Tutorial from here at a later time.

The Runtime Kit installs the WIBU-KEY drivers and tools, and the Development Kit installs the API support, the code samples and the programs, which protect applications with WIBU-KEY. Simply follow the instructions and use the default settings from the setup Wizard to complete the installation.

The current version of the Runtime Kit is available on our homepage (www.wibu.com).

The last step is to connect the WIBU-BOX to the PC's parallel port. The arrow on the case points in the directions of the computer, and the thumb screws provide for any easy connection with no need of tools. You can connect your printer cable to the back side of the WIBU-BOX.

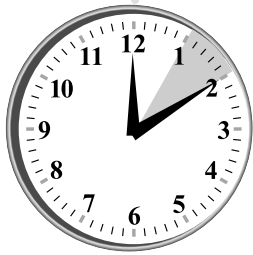
The WIBU-KEY Protection Kit includes the following items:

WIBU-KEY User's Guide

One WIBU-BOX/P for the PC's Parallel Port

The WIBU-KEY CD-ROM
This Quick Start Tutorial





Protecting a Windows Application

The WIBU-KEY Copy Protection System works by encrypting and decrypting. This is done by the WIBU-BOX hardware and depends on entries that are programmed into this hardware. The WIBU-BOX provided with the Protection Kit is already programmed with several sample entries and is ready to use with this Tutorial.

The Automatic Encryption process is handled by the WkCrypt program. Once you have loaded WkCrypt, the first thing to do is to identify what program you want to encrypt.

For this example, we will use the Windows Calculator which is stored in the WINDOWS directory. You can enter this path or use the Browse button to find the .EXE. If you would like, you can use your own .EXE instead.

Next fill in the Destination edit box where you would like the encrypted .EXE to be written. It is best to choose a different directory or file name from the Original.

Select a Firm Code of 10. This is the Public Firm Code number that is used for testing WIBU-KEY. After you purchase your Firm License, you will have a unique number that you will use.

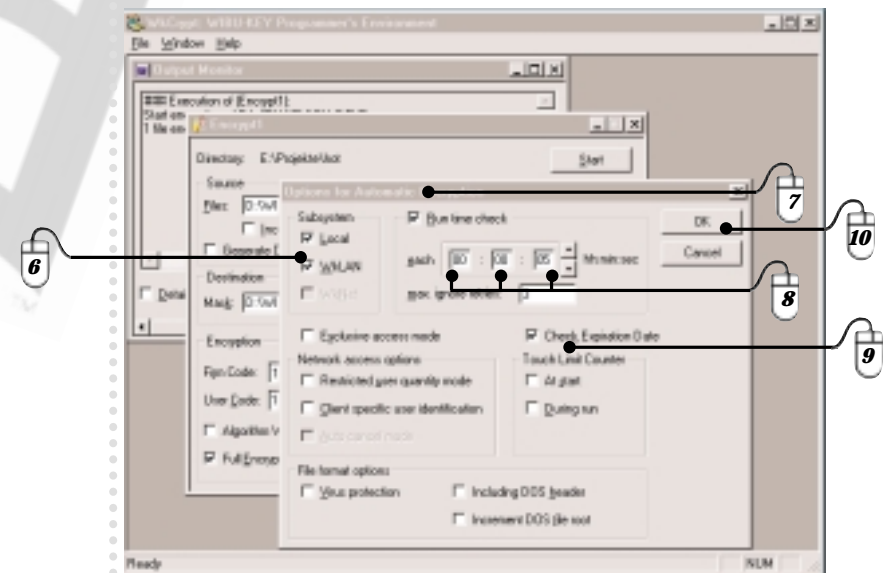
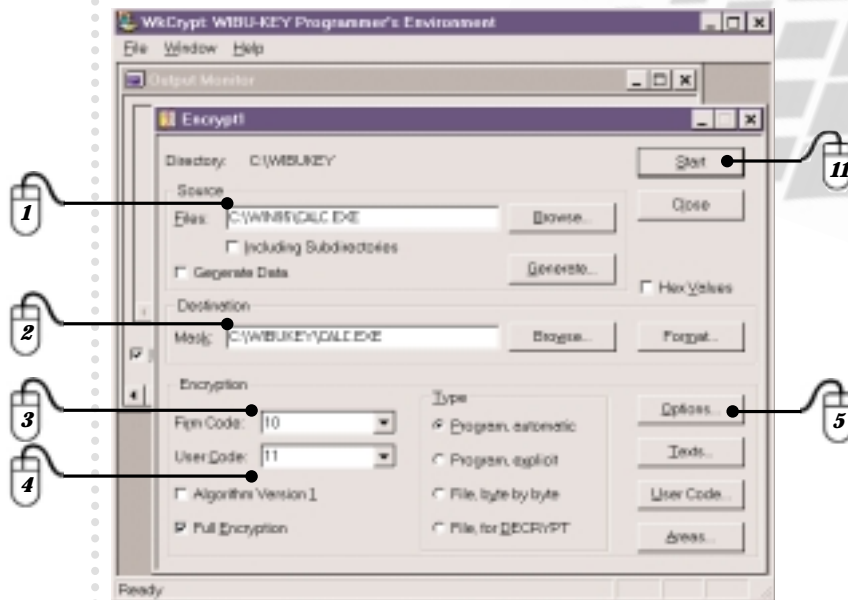
Protecting a Windows Application

For this example, use a User Code of 11. This is one of the entries that is already programmed into the WIBU-BOX/P that was included in your Protection Kit. Next select the Options button to load the Encryption Options Dialog. First uncheck the WkLAN option. Normally this option allows you to include TCP/IP network support automatically, but for our first example we will only use the local machine (the option entitled "Kernel").

Second, check the Run-Time Check option and set the frequency to 5 seconds. This will enable a continuous re-checking of the WIBU-BOX hardware every 5 seconds while the program is running. Normally you would use a longer interval to conserve system resources, but this short interval makes it easier to demonstrate this functionality.

Last check the Check Expiration Date option to enable the check of the expiration date programmed in the WIBU-BOX. You can now select OK button to return to the main dialog.

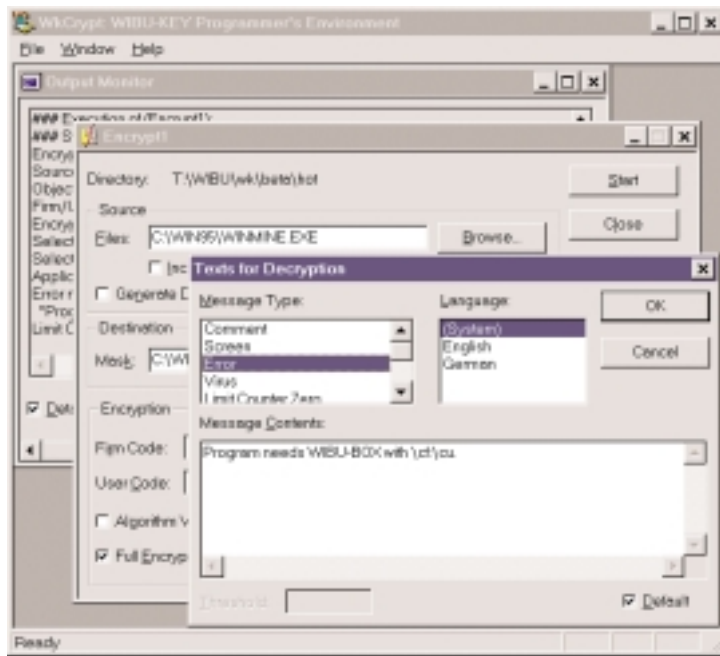
Now push the Start button to begin the .EXE encryption. Within seconds, you have your protected application.



Protecting a Windows Application

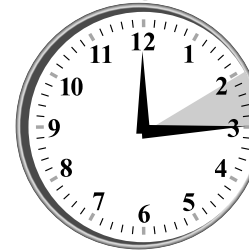
Now you can start the protected application, and it will operate normally. If you remove the WIBU-BOX, the application will display an error message in approximately five seconds when you try to use the calculator.

Similarly, if you remove the WIBU-BOX before you start the application, it can not be decrypted to start and an error message is displayed instead.



These error messages can be customized by using the Text button in WkCrypt prior to encrypting the application.

There are many more features in WkCrypt such as Limit Counters for software metering, expiration dates, and network license management. For more information about these features, please refer to the User's Guide.



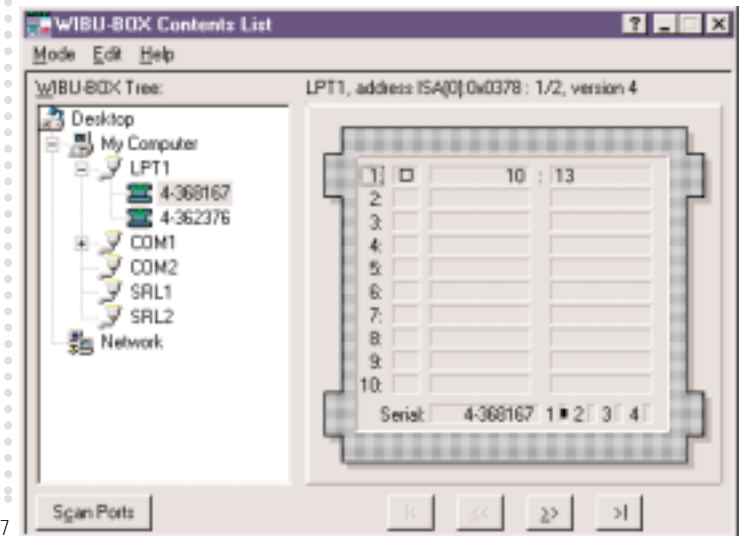
Programming the WIBU-BOX Hardware

The WIBU-BOX hardware contains room for 10 different entries, any or all of which can be used by your application or applications. The WkList program provides an easy and quick way to modify these entries.

Once you have started WkList, you will see a tree of ports on the local machine and an entry for an optional WIBU-KEY network server. On the right side there is a graphical view of the contents of the selected WIBU-BOX. Each entry is displayed with an icon that identifies the type of entry and the actual data stored in that entry.

For example, the first entry consists of a box followed by the standard entry with a Firm Code of 10 and a User Code of 13. The Firm Code is a unique number that is provided with the WIBU-KEY Firm License. The Firm License includes a special "master key" WIBU-BOX (FSB Firm Security Box) that is required to enter or modify an entry with that Firm Code.

The User Code is freely selectable and can be used to identify each user, each product, etc. Both of these numbers are used in the encryption initialization process, ensuring different encryptions for each different combination of Firm and User Codes. This results in an extremely high level of security.

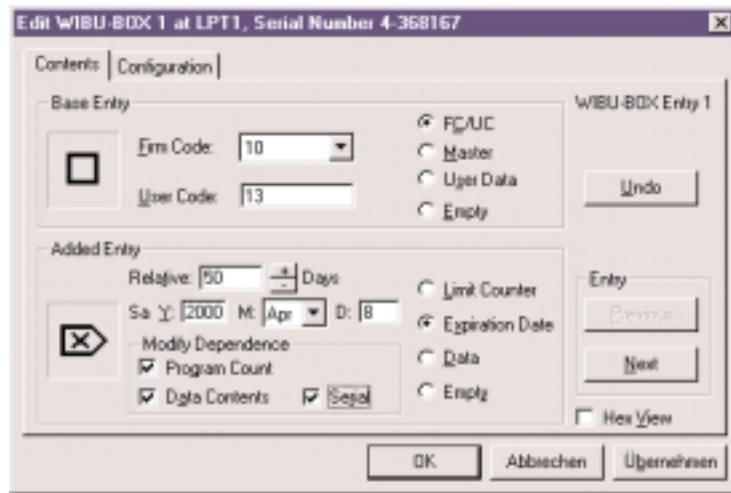


Programming the WIBU-BOX Hardware

To edit an entry, simply double click on it to bring up the Edit Entry Dialog. The top half of the screen identifies the primary or base entry. For Firm Code/User Code and Master entries in the first 5 positions, it is also possible to set extended attributes on the bottom half of the screen. These are stored in one of the bottom 5 positions and are shown together in the main dialog with a bracket connecting the two entries.

It is also possible to program multiple WIBU-BOX hardware simultaneously via command line options.

For more information, please refer to the User's Guide.



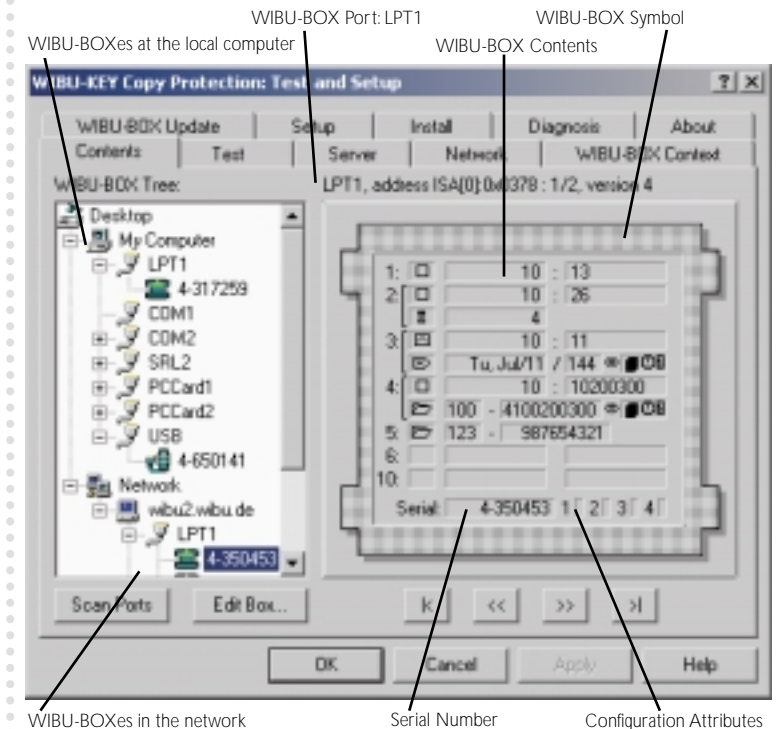
Try to change entries, add or change limit counters or expiration dates and see what happens when you run your protected application.

WIBU-KEY Control Panel Applet

WIBU-KEY also provides a powerful Control Panel Applet for you to distribute to your customers.

This end user tool features an intuitive Tabbed Dialog interface, and includes pages to view (but not edit), test, and diagnose the WIBU-BOX hardware. It also contains pages to handle secure remote programming of the WIBU-BOX Hardware while it is on the user's machine, network

and local port configuration, and an installation page to automate updates to the WIBU-KEY software drivers.



WIBU-BOXes in the network

Serial Number

Configuration Attributes

For more information about using the Control Panel Applet, please refer to the User's Guide.

