

Casper User Manual

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Chapter 1: Using the Casper Electronic Purchase Wizard

Your customers can use the Casper Electronic Purchase Wizard to request authorization electronically.

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our customers can request authorization to use your software through an automated interface, the CrypKey Electronic Purchase Wizard. You bundled the Wizard with your original software package. The Wizard resides on the Client side of the Casper program (vs. CasperWeb which resides on the Server side. See *Part 1: Setting Up Casper* for more detail).

Note: The Electronic Purchase Wizard is not the same program as the CasperWeb Product Setup Wizard described in *Part 2: Casper eRegister*.

In this Chapter

In this chapter you will find information on:

- The relationship between the Wizard and Casper.
- The available tools you can use to configure the Wizard (through either CrypKey Instant or CrypKey SDK).
- Instructions for your customers on how to send you authorization requests via the Electronic Purchase Wizard.

Documentation for your Customers

It may be helpful to send your customers a PDF file on how to use the Wizard. You will likely modify the instructions in this Part for your customers. You may also modify the instructions in this Part to suit your security or processing requirements.

Note: Some of the following information deals with configuring the Wizard using either CrypKey Instant or CrypKey SDK—exclude these sections from your customer documentation.

The Casper Program and the Electronic Purchase Wizard

Using the Casper Wizard, your customer can make an online request and receive a Site Key to authorize use of your software. This automated process expedites the Site Key generation process. (The manual method of Site Key generation, as described in *Part 2: eRegister*, can also be used if preferred or necessary.)

See Figure 1-1 Electronic Purchase Wizard and Casper which illustrates the relationship between the Electronic Purchase Wizard and the Casper program. The customer uses the Wizard to make an authorization request, and Casper automatically generates an unlocking code (the Site Key).

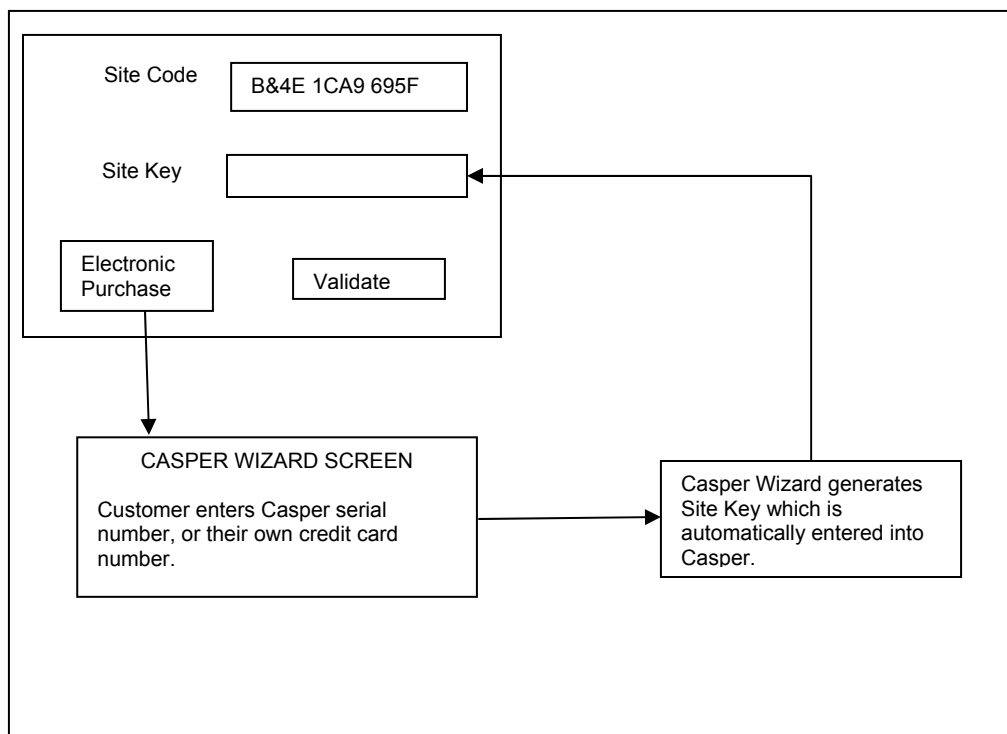


Figure 1-1 Electronic Purchase Wizard and Casper

Calling the Casper Wizard

You can use either CrypKey Instant or CrypKey SDK to call the Wizard. CrypKey SDK allows you to configure the customer interface to your requirements. See the following section for details.

WIZARD INTERFACE VARIATION

The Electronic Purchase Wizard (on the Client side) will appear differently to a Customer using the eCommerce option (see *Part 3: Casper eCommerce*) than when using the eRegister option (see *Part 2: Casper eRegister*). The Wizard for eCommerce will include fields for the credit card information, product code and price, as follows:



The screenshot shows a window titled "Electronic Purchase Wizard" with a blue header bar. On the left is a graphic of a desktop computer, a laptop, and two telephones connected by a network of lines. The main text area contains instructions: "Please enter your credit card information below and press 'Next'. Your credit card information will be securely encrypted before being sent over the internet." Below this, it states "The following credit cards are accepted:" and lists three options with their logos: Visa, MasterCard, and American Express. There are three input fields: "Name on card:" (a single-line text box), "Card number:" (a single-line text box), and "Expiration date:" (two dropdown menus, the first showing "01"). At the bottom are three buttons: "Cancel", "< Previous", and "Next >".

Electronic Purchase Wizard

Please enter your credit card information below and press "Next". Your credit card information will be securely encrypted before being sent over the internet.

The following credit cards are accepted:

-  Visa
-  MasterCard
-  American Express

Name on card:

Card number:

Expiration date:
01

Figure 1-2 Electronic Purchase Wizard – eCommerce option

Chapter 2: CrypKey-protected Software

Call the Casper Electronic Purchase Wizard using either CrypKey Instant or CrypKey SDK.

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he Casper Electronic Wizard is not a stand-alone product. It must be run with either CrypKey Instant or CrypKey SDK, which you purchased in order to protect your software product licensing.

In this chapter you will find information about:

- How to call the Wizard from CrypKey Instant
- How to call the Wizard from CrypKey SDK

CrypKey Instant and the Electronic Purchase Wizard

If you use CrypKey Instant (build 159 or greater) to protect your software, adding Casper is almost automatic. Using CrypKey Instant, you can easily configure several features of the Electronic Purchase Wizard:

- the method of payment available
- the products that can be purchased
- the method of communication (Internet, email, or both) between the Client and your Server
- the URL and email address of the Server.

To configure Casper Wizard features from CrypKey Instant:

1. Start CrypKey Instant.
2. Click the **Casper** tab on the CrypKey Instant window. The Casper page manages the interface between CrypKey Instant and Casper. The Casper page displays:

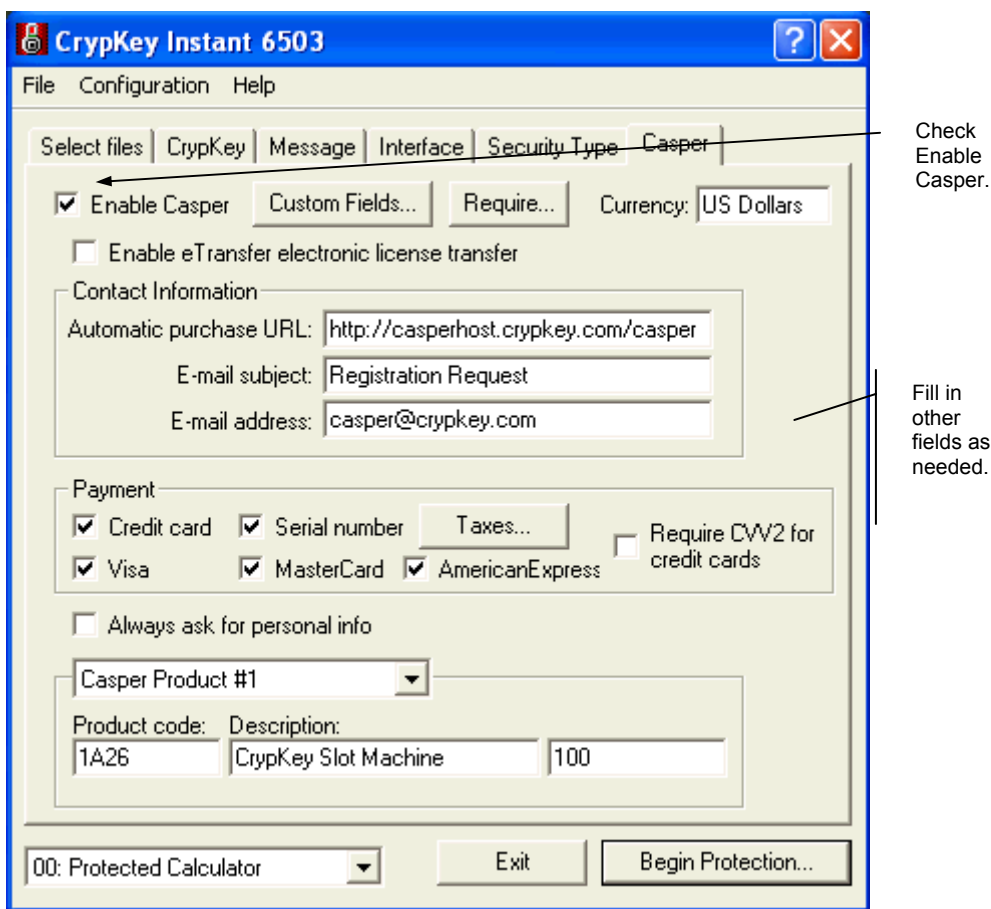


Figure 2-3 CrypKey Instant – Casper page

3. Click the **Enable Casper** checkbox.
4. If you are using the credit card payment option, you may want to request specific information from your customers (in addition to the standard name, address, etc. that Casper prompts for when performing credit card transactions).
5. Click the **Custom Fields...** button. The Custom Input Editor window displays:

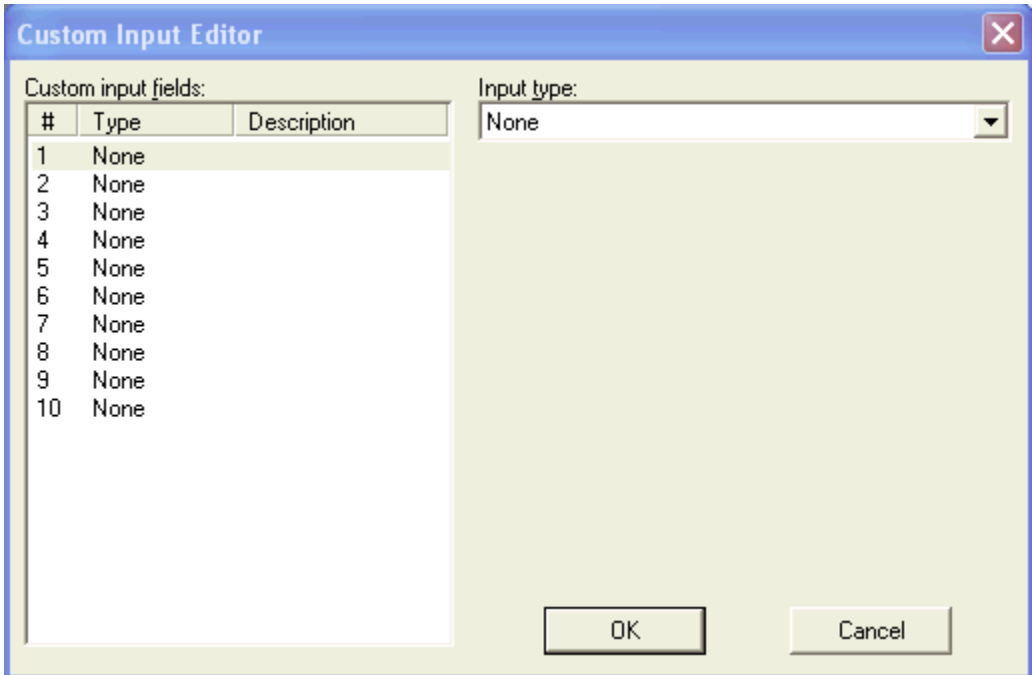


Figure 2-4 Custom Input Fields

Note: There are a maximum of 10 custom input fields that can be defined.

6. Select a field number (1-10) in the left side of the **Custom Input Editor** box. A field number of "None" means no field will be displayed.
7. To define a field for display, select either "Custom (optional)" (see Figure 2-5 Custom (optional) Option or "Custom (required)" (see Figure 2-6 Custom (required) Option from the **Input type** drop-down list on the right).
8. The fields for both Custom (optional) and Custom (required) screens are the same; however, Optional is used when input is not absolutely required, and Required is used when input is mandatory.

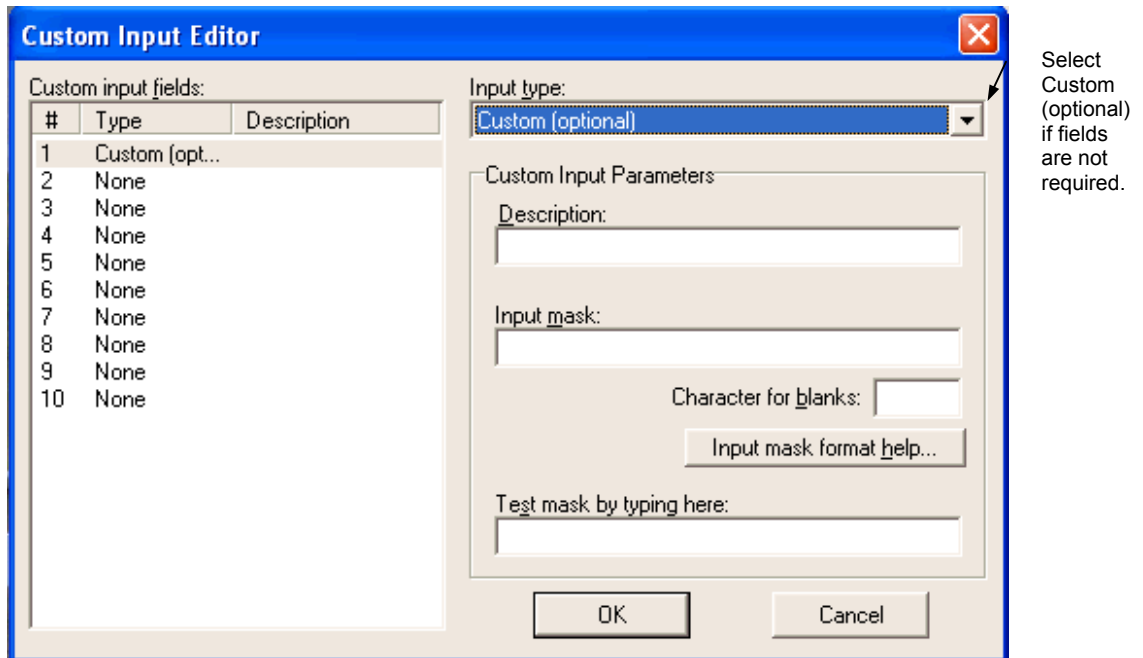


Figure 2-5 Custom (optional) Option

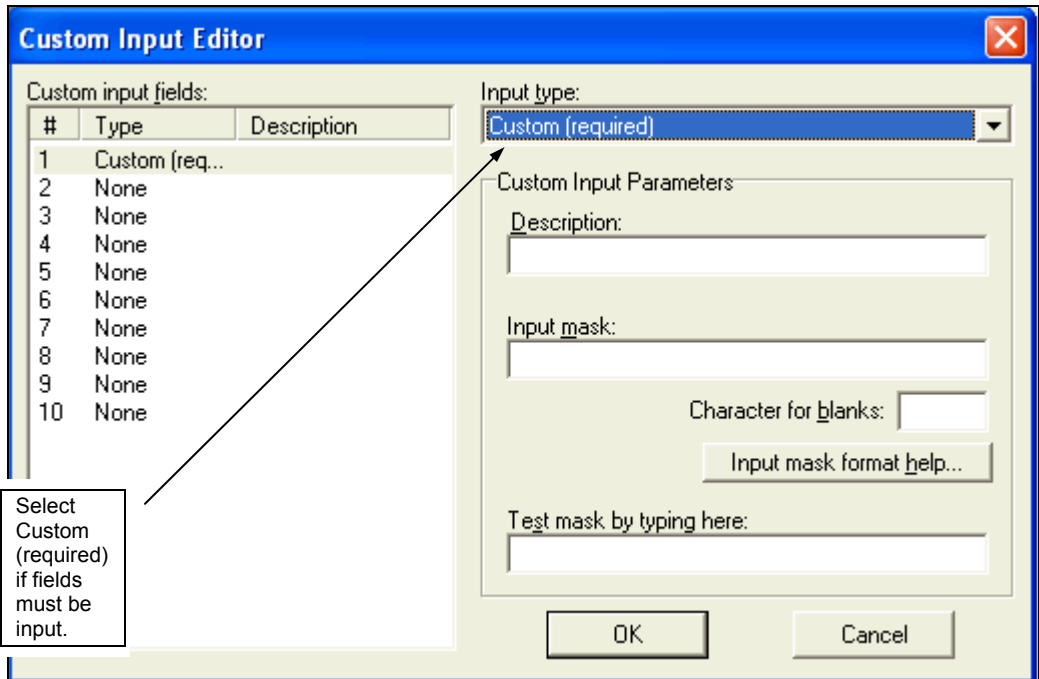


Figure 2-6 Custom (required) Option

Notes on Required fields:

Note 1: If the end user leaves a required field blank, they will receive the message "You have not entered anything into one or more required fields. All fields marked with a (*) are required." Therefore in the **Description** field you should include an (*) at the end, or, more clearly, something like (*Required).

Note 2: Custom entry fields with type "Required" are only supported in casper.dll version 2.0.130. If you are using this version or a more recent version of casper.dll, you will always get the correct behavior. If you are using a build of casper.dll previous to 2.0.130, the behavior depends on the version of the CrypKey Instant runtime DLL. cki32?.dll versions 6.0.312 or later will automatically detect old versions of casper.dll and will change required fields to optional fields. Previous versions of cki32?.dll will not perform this transformation and casper.dll will detect an error. This will result in all input fields being ignored, starting with the first one marked required.

9. Fill in the fields as follows:
 - a. **Custom Input Parameters:**

Description: free-form text that informs the end user what the requested information will be used for.

Input mask: Consists of a string of characters that specify, character by character, the format of the data to be entered by the customer. This can be used in prompting for numbers or codes with a specific format, such as a phone number or serial number. The character codes are as follow:

- L:** requires an alphabetic character in this position.
- I:** (lower case L) permits an alphabetic character but doesn't require it.
- A:** requires an alphabetic or numeric character in this position.
- a:** permits an alphabetic or numeric character but doesn't require it.
- C:** requires any character in this position.
- c:** permits any character in this position but doesn't require it.
- 0:** requires a numeric character in this position.
- 9:** permits a numeric character but doesn't require it.
- #:** permits a number or a plus or minus sign but doesn't require it.
- /:** displays a month, day, or year separator. The actual character displayed is taken from the user's control panel preferences.

All other characters in the mask such as hyphens and parentheses are displayed in the edit field as literal characters that the user cannot change. For example, a telephone number mask could be "(000) 000-0000", and a serial number could be something like "LLLL-0000-00".

Note: If you do not specify a mask, the user can input any characters into the field.

- b. **Character for blanks:** Before the user has entered anything, each character that requires input is displayed according to the blank character you specify. Therefore, if the blank character is an underscore, the telephone number in the above example would be displayed as "(____) ____-____"; if it is a space the field would be displayed as "() - ". As the user types into the field, the blank characters are replaced with the input. Enter the character you require for display.
 - c. **Input mask format help:** click to display the Help topic containing how to format information (duplicated here).
 - d. **Test mask by typing here:** Use this space for testing your mask. This field accepts simulates how the Casper Wizard will accept input using your current input mask. We recommend that you always test your masks to ensure they are appropriate for the information desired.
10. To save the custom input fields you have defined, click **OK**.
 11. If you require certain personal information from your customers, click the **Require...** button. The **Required personal information fields** screen is displayed:

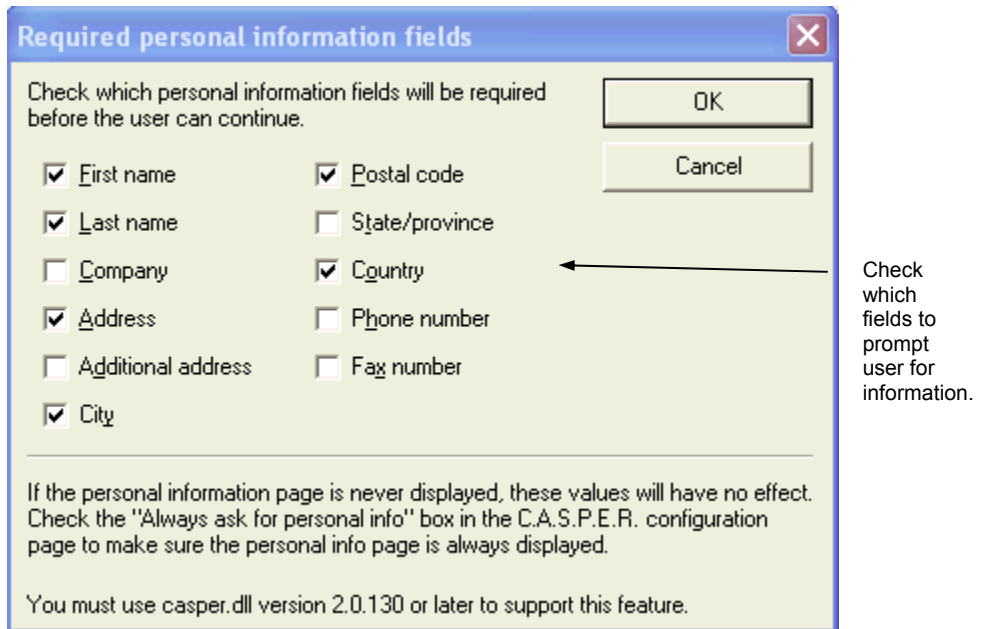


Figure 2-7 Required Customer Information

12. Check the applicable boxes.

Note: If the country field is "United States" or "Canada" the state selection is always required since the field is a dropdown list. For any other countries, the value of this checkbox is used to determine if the state is required. The State/Province value should almost always be unset. Some countries may not have states or provinces. Set only if you know all your sales will be in a country with states/provinces.

13. To save your changes, click **OK**.

Note: This information will have no effect unless you also check the **Always ask for personal info** box (see step 29 below).

14. Casper returns you to the Casper page to continue configuring Wizard features (see Figure 2-3 CryptKey Instant – Casper page).
15. Enter the type of currency, e.g., US Dollars. The currency will be displayed at appropriate points when the Casper Wizard is run.
16. To require CW2 for credit cards, check the **Require CW2 for credit cards** box.
17. To turn on the eTransfer feature, check **Enable eTransfer electronic license** transfer. Please see *Part 5: Casper eTransfer* of this manual for information on Casper eTransfer.

18. If you protect your software using CrypKey Instant, you must determine whether the Wizard will communicate with the Casper Server via Internet messages, email messages, or both.
19. To enable Internet communications, specify a URL in the **Automatic purchase URL** field. Type in your Server's Internet messaging address.
 - If you enter this address, the Wizard on your customer's computer will by default always attempt Internet message communications with your Server before attempting email communications.
 - If you don't enter the Internet address, the Wizard will initiate email communications only (that is, if an email address is specified—see Step 21).
20. In the **Email subject** field, type in the standard incoming message that your Server must recognize in order to respond via email communications. This field has no effect on Internet messages.
21. To enable email communications, Type in your Server account email address in the **Email address** field.
22. In the Payment section, click either one or both of the **Credit card** and **Serial number** checkboxes:
 - a. Click the **Credit card** checkbox if you are configuring the Server to process credit card transactions.
 - b. Click the **Serial number** checkbox if you are configuring the Server to process Serial Numbers.
 - c. Click both **Credit card** and **Serial number** checkboxes to configure the Server to process both credit card and Serial Number transactions.
23. If you have selected the **Credit card** checkbox, click one or more options (Visa, MasterCard, American Express) representing credit cards that you want the Server to recognize.
24. Click the **Taxes** button if you want sales tax to be calculated for credit card transactions. The **CASPER Tax Information** window appears:

C.A.S.P.E.R. Tax Information

☒ **Country tax**

Name of country: United States

Tax description: U.S. tax

Tax rate: 1.002 %

☒ **State tax**

State abbreviation: CA California

Tax description: California tax

Tax rate: 7.25 %

Express tax rates as percentages, so 7.25% tax would be entered as "7.25". Do not include a "%" sign.

OK Cancel

Check Country Tax as applicable.

Check State of Provincial Tax as applicable.

Click OK to save edits.

Figure 2-8 Casper Tax Information

Note: The Casper Server, as well as CrypKey Instant, includes a sales tax calculation. You must enter the same tax data into CrypKey Instant as for Casper; otherwise, Casper will not work properly.

25. To calculate national sales tax, toggle on the **Country tax** checkbox.
 - d. In the **Name of country** field, click the drop-down arrow to display a list of country names and abbreviations. Select the applicable entry.
 - e. In the **Tax description** field, type a description of the tax (format: free-form).
 - f. In the **Tax rate** field, type in the applicable percentage of national tax (format: up to three decimal places allowed; required field for Country tax).
26. To calculate state or provincial sales tax, toggle on the **State tax** checkbox.
 - a. If the specified country is the United States or Canada, click the drop-down arrow in the **State abbreviation** field to display a list of state or province names and abbreviations, then select the applicable entry. If the specified country is other than the United States or Canada, you will need to type in the applicable state or province abbreviation.
 - b. In the **Description** field, type a description of the tax (format: free-form).

- c. In the **Tax rate** field, type in the applicable percentage of state or provincial tax (format: up to three decimal places allowed; required field for State/Provincial tax). Do NOT enter the % sign.
27. To process the tax calculations, click **OK**. The Tax Information window will disappear. CrypKey Instant will return you to the Casper page so you can continue configuring Casper.
28. Click the drop-down arrow in the Casper Product list box (see Figure 2-3 CrypKey Instant – Casper page).
29. If you require the Casper Wizard to prompt customers for personal data before processing their authorization requests (see step 11 above), check the **Always ask for personal info** box. This applies to both Serial Number and credit card transactions. Normally this option is used for credit card transactions.

Note: This box does *not* need to be checked in order for the Custom Input fields defined above in step 4 to be displayed. The Custom information prompts will always be displayed, regardless of whether or not the **Always ask for personal info** box is selected.

30. Select the Casper product number for which you want to define a product code.

Note: The product numbers are defined in CrypKey Instant and are not related to Casper product numbers. This is a Casper configuration setting within CrypKey Instant and is not correlated to anything in Casper.

31. In the **Product Code** field, type in the product code for the software that you want to protect. The Product Code must match the Product Code defined for the same software in Casper.
32. In the **Description** field, type in the description of the applicable Product Code.
33. In the **Price** field, type in the software price (numeric string).

Note: This price is used for display purposes only. The customer will be charged the price that is configured in the Product Code on the Casper Server (see *Part 3: Casper eCommerce*).

34. To add Casper to your software protection click **Begin Protection**.
35. To exit the application, click **Exit**. The following message will display:

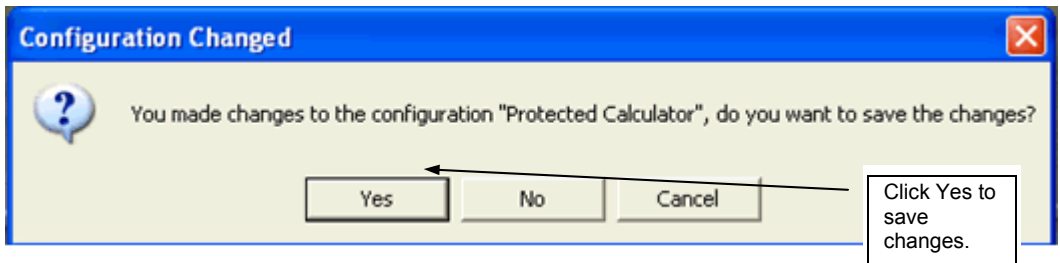


Figure 2-9 Verification of changes to protected software

36. To save your changes, click **Yes**. To discard your changes, click **No**. To back out of this action, click **Cancel**.

CrypKey SDK and the Electronic Purchase Wizard

If your software is protected with CrypKey SDK, you can call the Casper Wizard directly from your program. The Wizard is a DLL (its filename is `casper.dll`) that can be called from most Windows programming languages.

There is an advantage to calling the Wizard directly. You can use program calls, which you embed in the protected application program, to modify the text information displayed in the Wizard.

The complete instructions for calling `casper.dll` directly are outlined in the help file named `casper.hlp`, located in the same directory as the Casper program on your computer.

Figure 2-10 Casper Help File — Menu shows the menu for the Help file, summarizing Casper's features and outlining the types of calls that you can make to the Wizard:

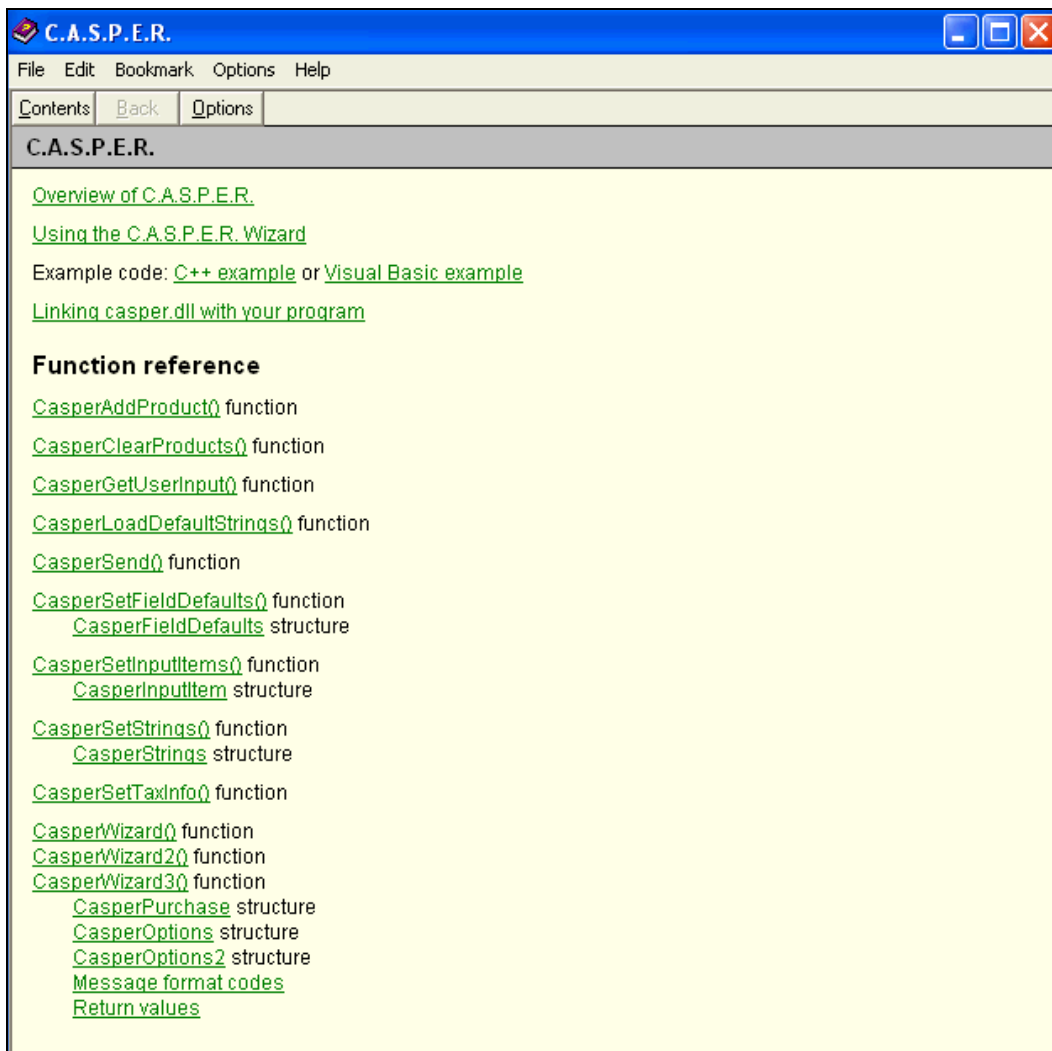


Figure 2-10 Casper Help File — Menu

When you click any of the links in the Help menu, the Help system will display another window showing more detail. From any detail window, you can navigate to any other window in the Help system.

Chapter 3: Your Customer and the Wizard

Experience the Electronic Purchase Wizard from your customer's perspective.

T

his chapter describes how you can call the Casper Electronic Purchase Wizard so that your customer is able to make an online authorization request for a software license. This chapter also explains how to use the Wizard demo programs, in order to test and understand your customer's end-user experience.

In this chapter you will find information about:

- the Wizard interface as called from CrypKey Instant
- the Wizard interface as called from CrypKey SDK
- the difference in the Wizard interface when using the Serial Number (eRegister) vs. the credit card (eCommerce) payment method.

Calling the Wizard from CrypKey Instant vs. CrypKey SDK

If you use CrypKey Instant to protect your software, and you have set up a trial license period, after its expiry the Casper software will generate a licensing window such as the one shown in Figure 3-1 Casper Wizard Welcome screen – eRegister Demo program.

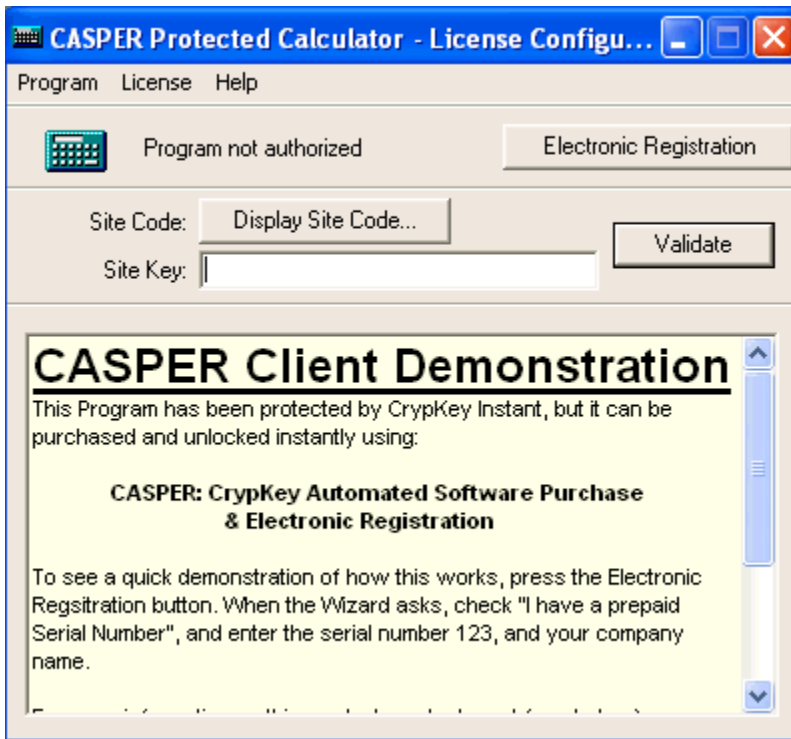


Figure 3-1 Casper Wizard Welcome screen – eRegister Demo program

The sample program in the above figure is called “Protected Calculator”, which uses the Serial Number (eRegister) payment method. It is supplied with your Casper software. From this window your customer would click the **Electronic Registration** button to call up the Electronic Purchase Wizard. More about this below.

If you use CrypKey SDK to protect your software, the software will be configured in one of three ways:

1. To display a licensing window that you have designed which calls the Electronic Purchase Wizard (similar to CrypKey Instant, see Figure 3-1 Casper Wizard Welcome screen).
2. To call the Wizard directly from SDK.
3. To create your own license and Casper screens, and call Casper Functions directly (therefore bypassing the Wizard function).

Figure 3-2 Calling Casper with CrypKey Instant vs. CrypKey SDK shows the relationship between CrypKey Instant and the Wizard interface (on the left), and CrypKey SDK and the Wizard interface (on the right).

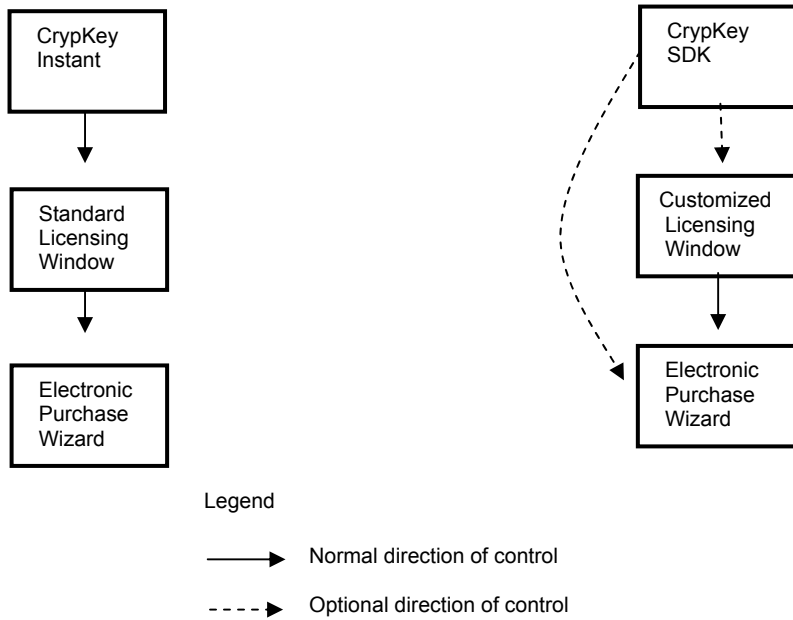


Figure 3-2 Calling Casper with CrypKey Instant vs. CrypKey SDK

See Figure 3-3 Casper Wizard Process Flowchart for the process flow of the Casper Electronic Purchase Wizard.

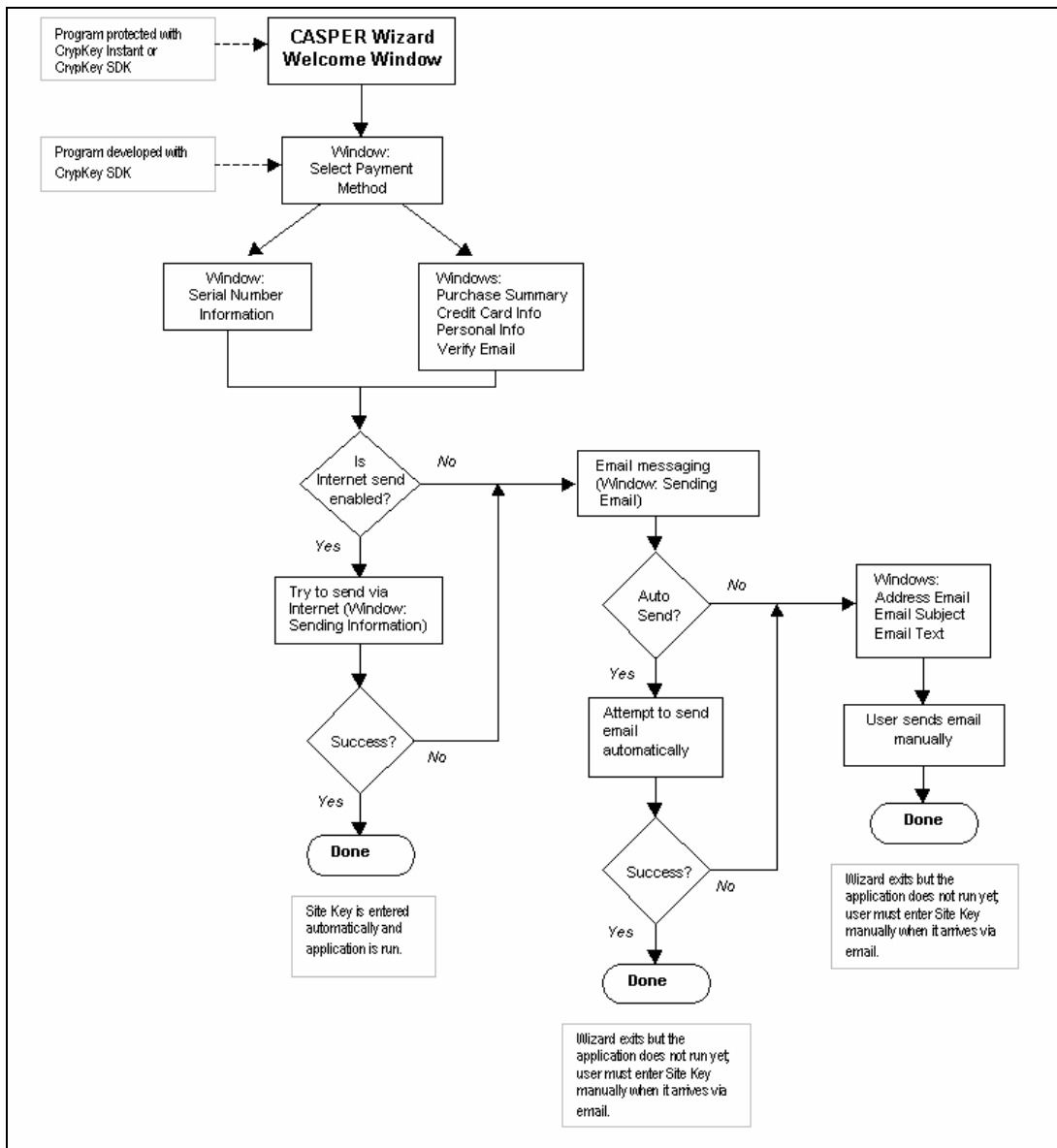


Figure 3-3 Casper Wizard Process Flowchart

Demonstration Wizard

The CrypKey Calculator demo simulates a Serial Number authorization transaction. Slot Machine simulates an eCommerce (credit card) transaction. Both these Client Demo programs are included with your Casper software. By running a demo program, you can simulate what the end user (your customer) will see when they request a license.

Note: The following section contains instructions for using the demo Wizard. You may want to extract this chapter, PDF the file and send it to your customers for their reference. Make sure to modify the instructions accordingly. Note that for purposes of user documentation, in this section “end user” is your customer, and “vendor” is you, the software product vendor.

MAKING AN AUTHORIZATION REQUEST

In order to continue using a CrypKey-protected software product beyond the trial license expiry date (if one was offered), the end user must submit an authorization request to the software vendor. (The end user can make a request at any time, including before the trial period is up.) When the end user attempts to use the software after the trial license has expired, either a licensing window or the Electronic Purchase Wizard will appear—depending on how the vendor has set up the software. In the example we are using, the protected program is called Protected Calculator.

Depending on how the vendor has set up the software trial license, the end user will be able to use either a Serial Number or a credit card number to apply for authorization. Also according to the vendor’s configuration, the end user will be able to send the authorization request by either Internet message or email message.

This section shows how end users can request a software license authorization:

- Via the Internet; or
- via email (automatic and manual).
- Using a pre-paid Serial Number; or
- using a credit card.

Authorization Request Procedure – Serial Number

1. To proceed with the Calculator software example: click the Calculator icon (in Windows XP you will find it under your Start menu/All Programs/Casper/Client Programs). The licensing window (in this

example, CASPER Protected Calculator - License Configuration) will appear.

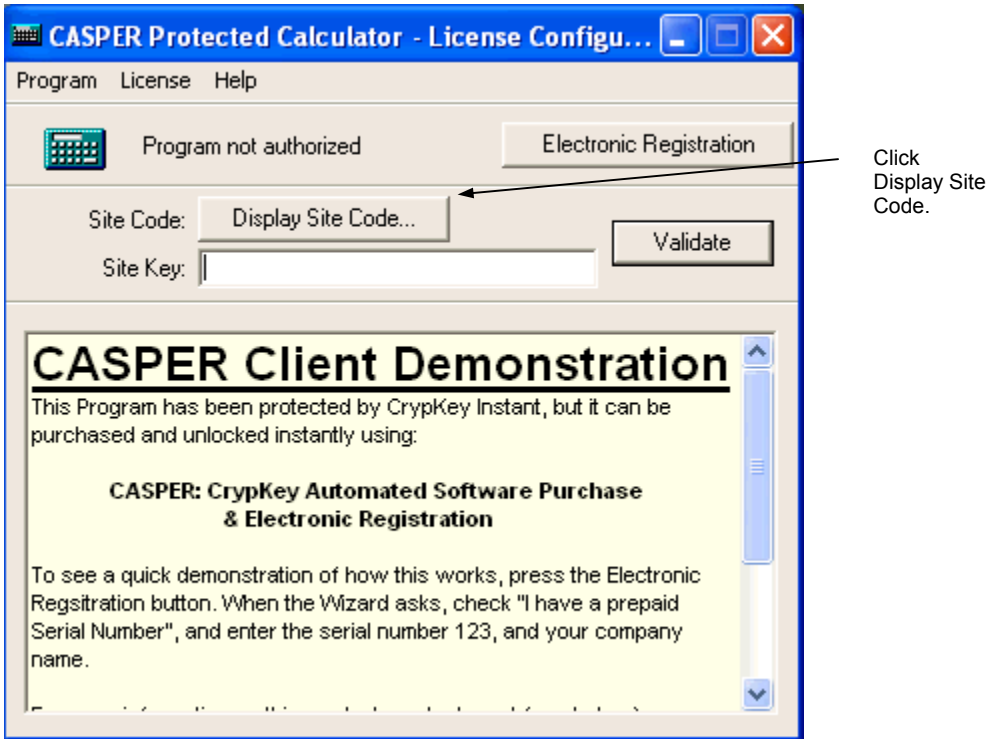


Figure 3-4 Calculator Demo Program – License Configuration screen

2. To display the Site Code, click **Display Site Code...**
3. A message similar to the following is displayed. Click **View License Agreement** to read the terms of the license. Click **Yes** to accept the terms.

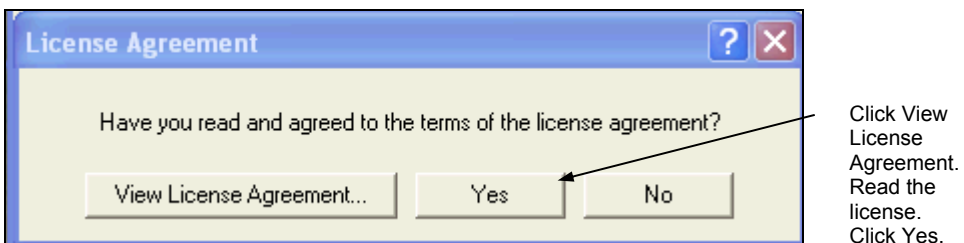


Figure 3-5 License Agreement

4. The Site Code will be displayed (see figure below). Note that the Licensing screen gives the status of the license as “Program not

authorized". In order to authorize use of the Calculator software, follow the steps below.

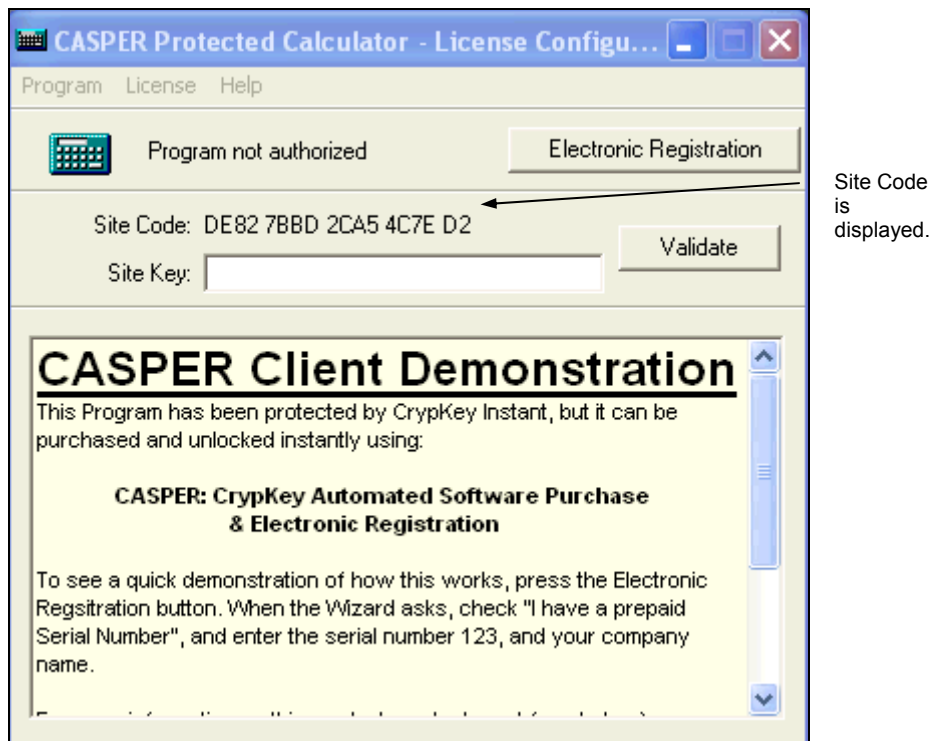


Figure 3-6 Site Code Revealed

5. In order to authorize the software, you need to enter the Site Key (the authorization code). To obtain a Site Key do the following:
6. Click **Electronic Registration** for the eRegister authorization, which uses the prepaid Serial Number method of authorization. For an eCommerce transaction, click **Electronic Purchase** to pay by credit card. This second method is explained in the section below, Authorizing Vendor Software using a Credit Card.
7. The Electronic Purchase Wizard Welcome screen displays:



Figure 3-7 Serial Number Wizard Welcome screen

Note: The end user can cancel at any time by clicking on **Cancel**.

8. Click **Next**. The Select Payment Method window appears.

Note: You will only see this window if both Credit Card and Serial Number payment methods have been allowed by the Vendor. Otherwise, only the default method chosen by the Vendor will appear—either Serial Number or Credit Card. The demo program following uses the S/N method (see Figure 3-8 Select Prepaid Number Authorization option). In a later section the Credit Card method of authorization is shown.

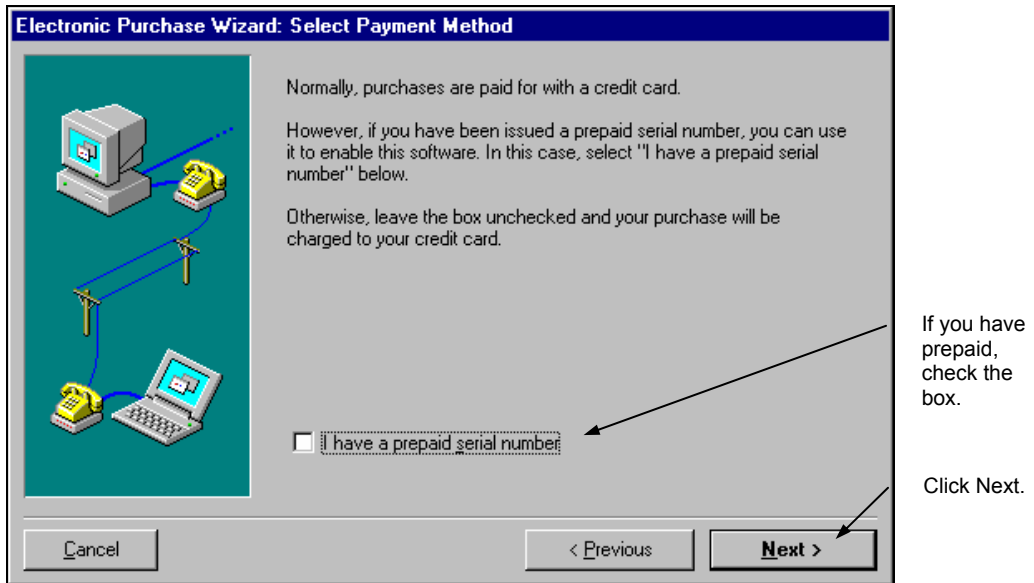


Figure 3-8 Select Prepaid Number Authorization option

AUTHORIZING VENDOR SOFTWARE USING A PRE-PAID SERIAL NUMBER – INTERNET METHOD

9. In this example the end user has selected a prepaid Serial Number as the authorization method (see Figure 3-8 Select Prepaid Number Authorization option). Click **Next**. The Serial Number entry screen is displayed:

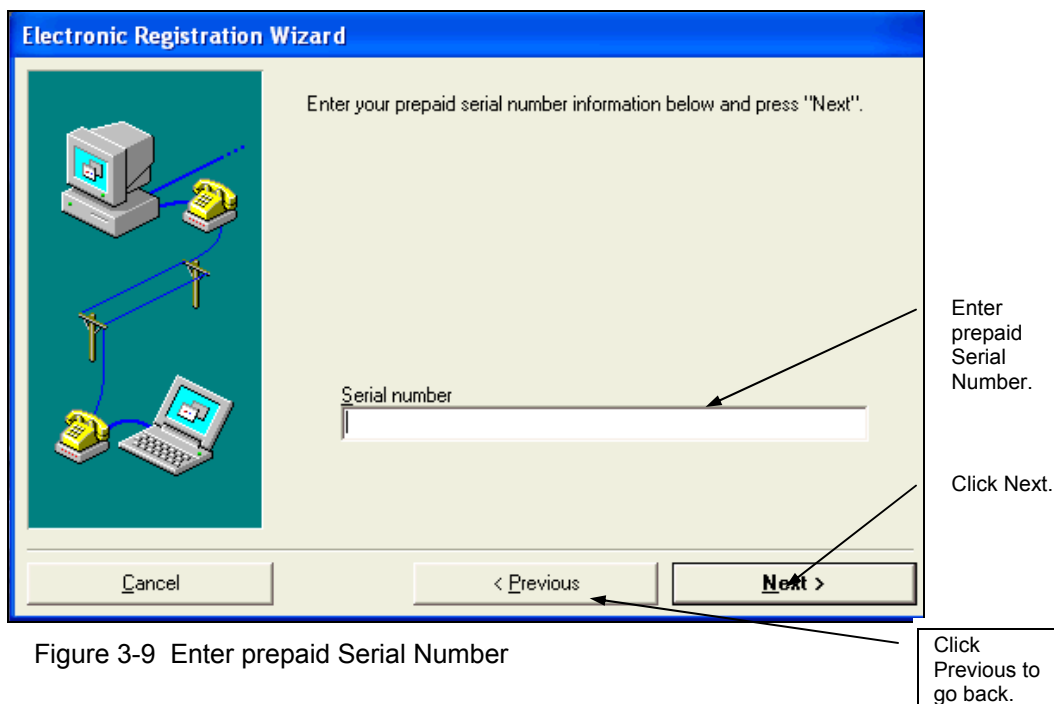


Figure 3-9 Enter prepaid Serial Number

10. Enter the Serial Number assigned when the software was paid for (for the demo programs the number is 123).
11. Click **Next**.

Note: If the Serial Number is not entered correctly, the following error message appears:

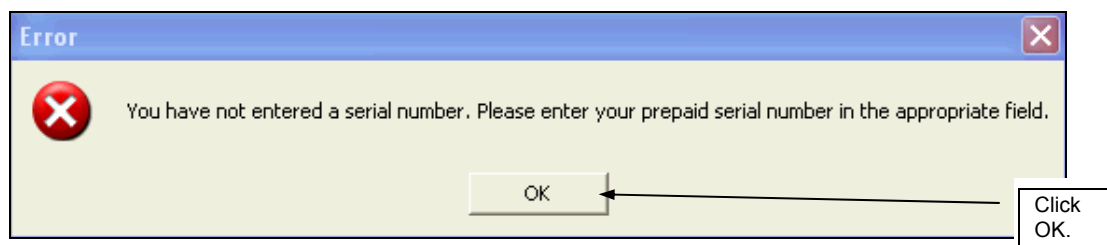


Figure 3-10 Invalid Serial Number message

12. Enter or re-enter the Serial Number correctly.
13. A message is displayed indicating the program is accessing the Server. Please wait. The request is being sent via the Internet to the Casper Server.

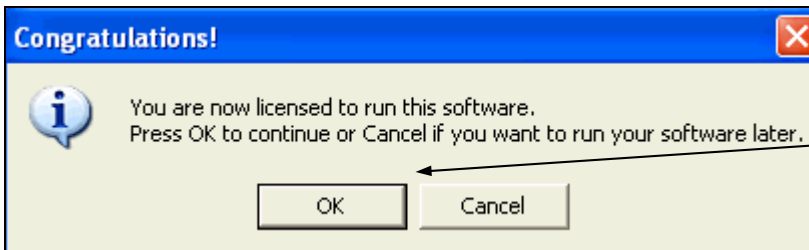
14. When the authorization has been completed, the end user will see the following screen:



Figure 3-11 Successful Internet Authorization request

Click Finish.

15. Click **Finish**. The authorization code (the Site Key) is sent in an Internet message directly to the License Configuration screen and the Site Key is populated automatically. (For the email method of authorization, see the following section Authorizing Vendor Software Using a Pre-Paid Serial Number – Automatic Email method.) The authorization is complete and the following verification message displays:



Click OK.

Figure 3-12 Run Software License message

16. Click **OK** to run the software at this time. Click **Cancel** to run it later from the Windows Start menu or shortcut button.
17. When the authorization is successfully completed, the sample demo program will run. In this example, we used a demo calculator:

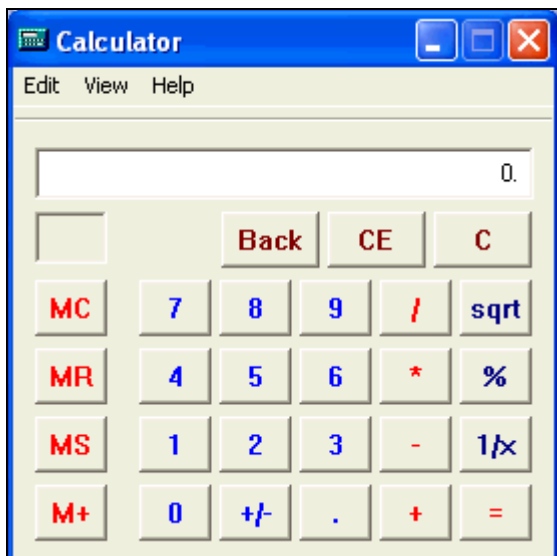


Figure 3-13 Demo Calculator Program

AUTHORIZING VENDOR SOFTWARE USING A PRE-PAID SERIAL NUMBER – AUTOMATIC EMAIL METHOD

It may be that the end user cannot access the Casper Server via the Internet. In that case the end user can send an authorization request by email. By default the email is sent automatically. However if the email client cannot talk to the Casper Server, the Wizard allows the option of making a request by manual email.

1. If you get the error message below, click **OK**.



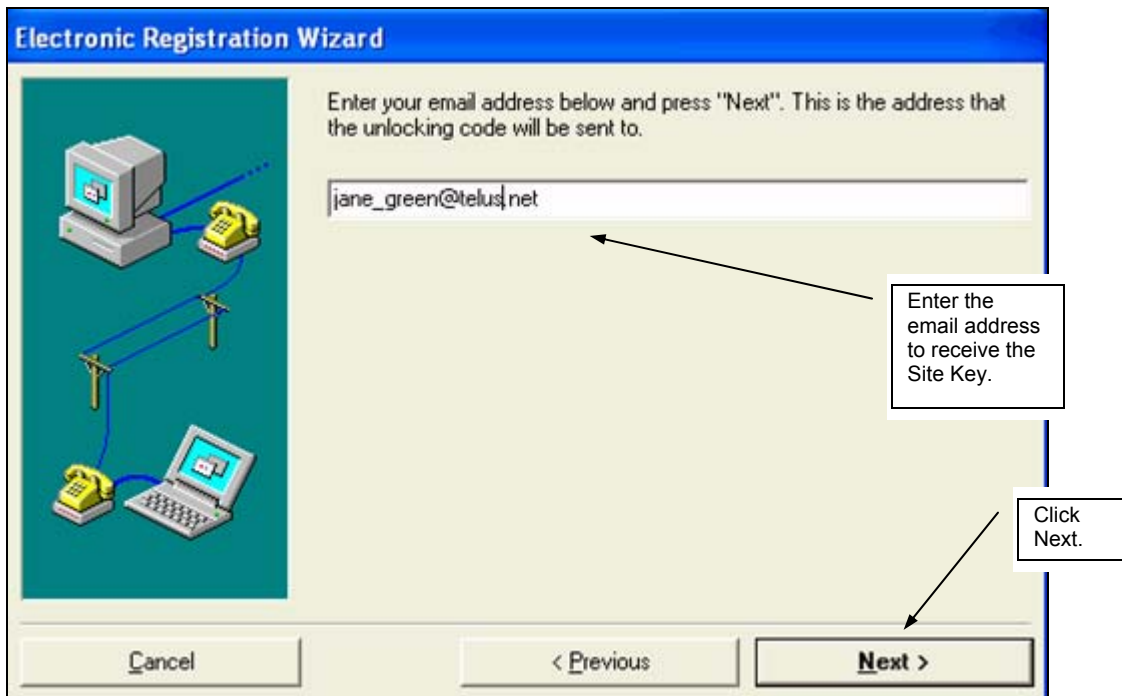
Figure 3-14 Internet Authorization failure

2. The Wizard displays the following screen:



Figure 3-15 Send Authorization request by email screen

3. Click **Next**. The following email screen displays.



Electronic Registration Wizard

Enter your email address below and press "Next". This is the address that the unlocking code will be sent to.

jane_green@telus.net

Enter the email address to receive the Site Key.

Click Next.

Cancel < Previous Next >

Figure 3-16 Enter email address for Site Key receipt

4. Enter the email address where the unlocking code should be sent.
5. Click **Next**.
6. Please wait while Casper processes the request.

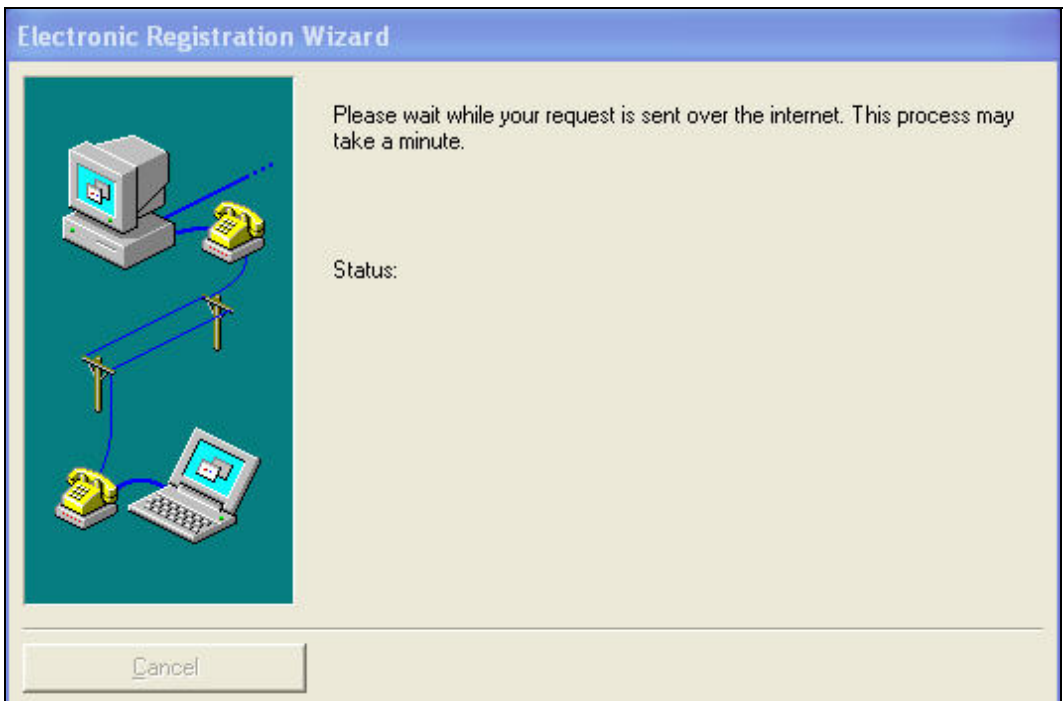


Figure 3-17 Casper Wizard processing message

7. You may get the following message (e.g. if you use Outlook):

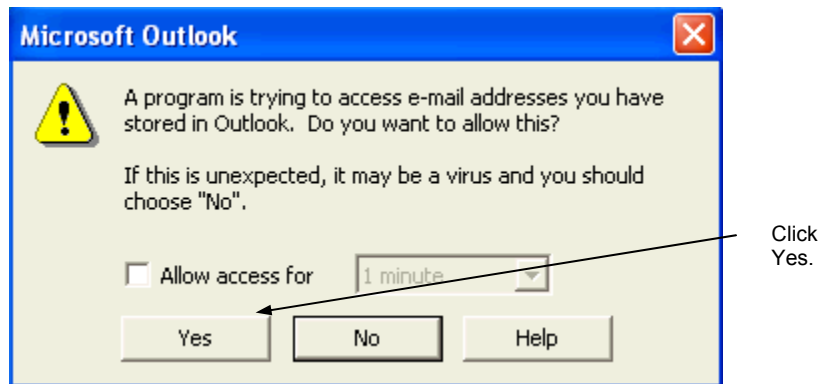


Figure 3-18 Email client message

8. Click **Yes**.

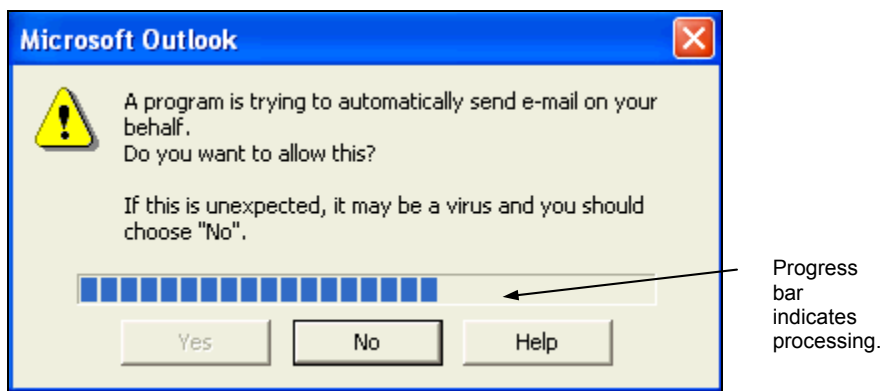


Figure 3-19 Email client processing message

9. The email request is processed and an email with the unlocking code (the Site Key) is sent to the email address specified in Figure 3-16 Enter email address for Site Key receipt.



Figure 3-20 Successful Email Authorization request message

10. Retrieve the Site Key from the email. (Please allow sufficient time for delivery.) A sample email is shown in Figure 3-21 Sample Vendor Email containing Site Key:

From: XYZ Company Sent: Tue 3/18/06 3:21 PM

To: ABC Company

Subject: RE: KLM Program Registration

Thank you for registering. Here is your registration number.

F426132EA4F8F225DDF8F27A1A

Figure 3-21 Sample Vendor Email containing Site Key

Note: If there was a processing error, the email will contain an error message similar to the following:

From: XYZ Company Sent: Tue 3/18/06 3:21 PM

To: ABC Company

Subject: RE: KLM Program Registration

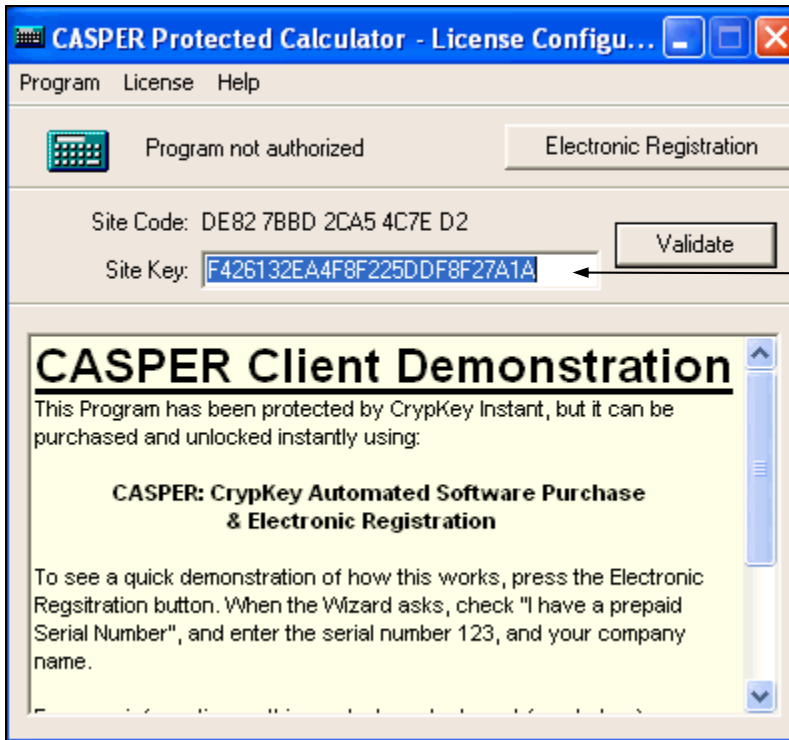
There was a problem processing your request.

Please contact your software vendor and provide them with the error code and message below:

-10004 No data returned in query of customer data; serial number is probably not valid.() (serial number: 23)

Figure 3-22 Sample Vendor Email containing Processing error

11. Copy and paste the Site Key into the Site Key box in the License Configuration screen:



Copy and
paste in Site
Key sent in
email.

Figure 3-23 Site Key for Automatic Email Authorization Request

12. Click **Validate**.
13. The existing trial license restrictions are removed from the end user's software and replaced by a new set of restrictions defined by the Vendor in Casper and embedded in the Site Key. The software is now authorized for use.

Note: If the vendor used CrypKey SDK to protect the software, the licensing window should show the Site Code, and Site Key fields and the Validate button. However, the License Configuration window will probably be customized and appear different than the one shown above.

AUTHORIZING VENDOR SOFTWARE USING A PRE-PAID SERIAL NUMBER – MANUAL EMAIL METHOD

Normally the automatic email method is sufficient. However, if the end user has tried to send an email request automatically (via the Wizard) and the request failed, the end user may send the request by manual email.

1. The end user requests an Internet authorization for a software license, and the following message is displayed:



Figure 3-24 Authorization request failure message

2. Click **OK**. The following screen appears:



Figure 3-25 Manual email Authorization request

3. Check **Manually send email**.
4. Click **Next**. The manual email request screen displays:

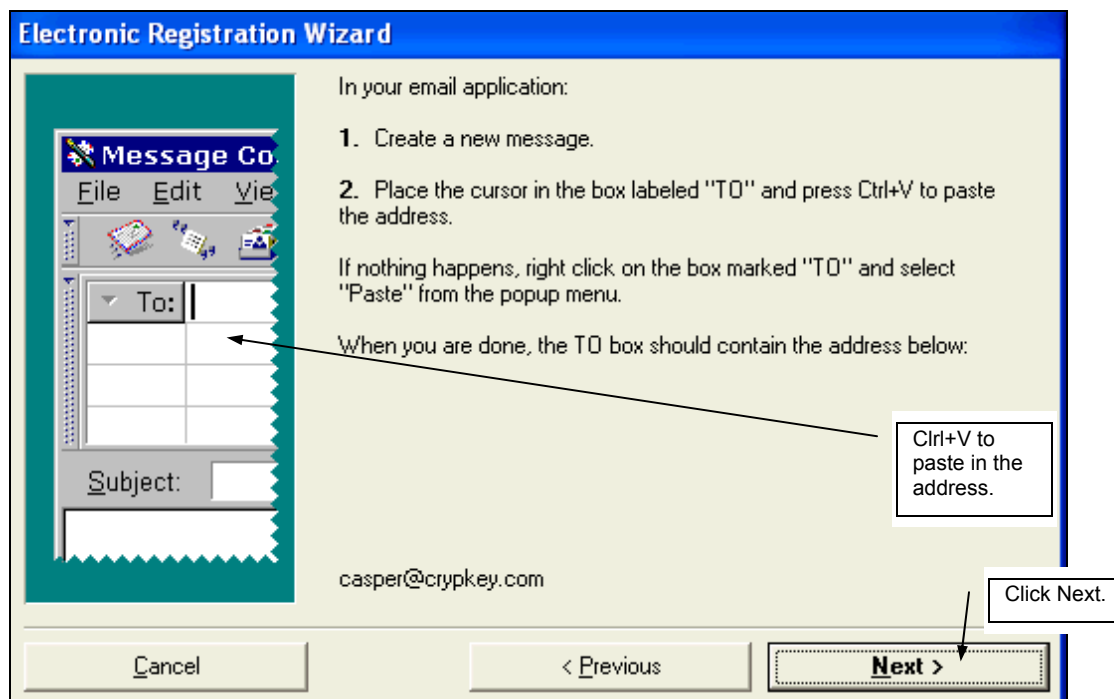


Figure 3-26 Manual email Authorization request – To address

5. Follow the on-screen instructions. Open your email application and create a new message.

Note: The Wizard populates the To and Subject boxes and the message area for you.

6. Click inside the **To** box.
7. Press the **Ctrl + v** keys at the same time to paste in the CrypKey address (or, right click in the box and select **Paste** from the pop-up menu).
8. Check that the **To** box contains the address casper@crypkey.com.
9. Click **Next**. The following screen displays:

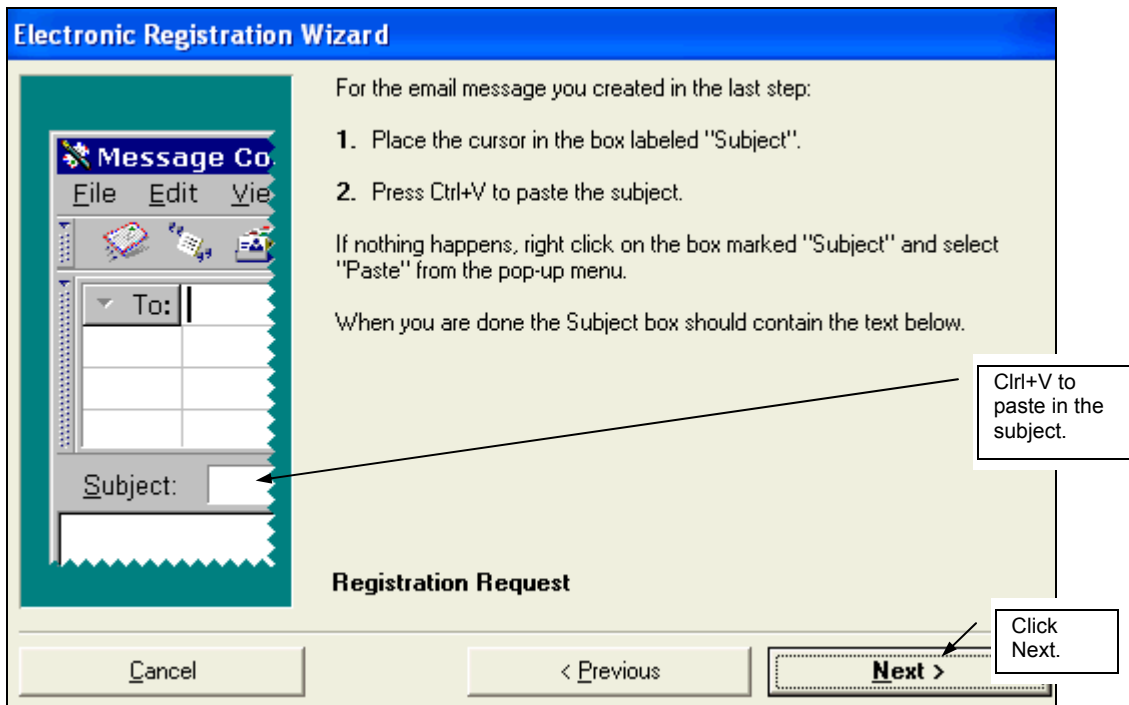


Figure 3-27 Manual email Authorization request – Subject

10. Working with the email you just created, click the cursor in the **Subject** box.
11. Press the **Ctrl + v** keys at the same time to paste in the subject (or, right click in the box and select **Paste** from the pop-up menu).
12. Check that the **Subject** box contains the text "Registration Request".
13. Click **Next**. The following screen displays:

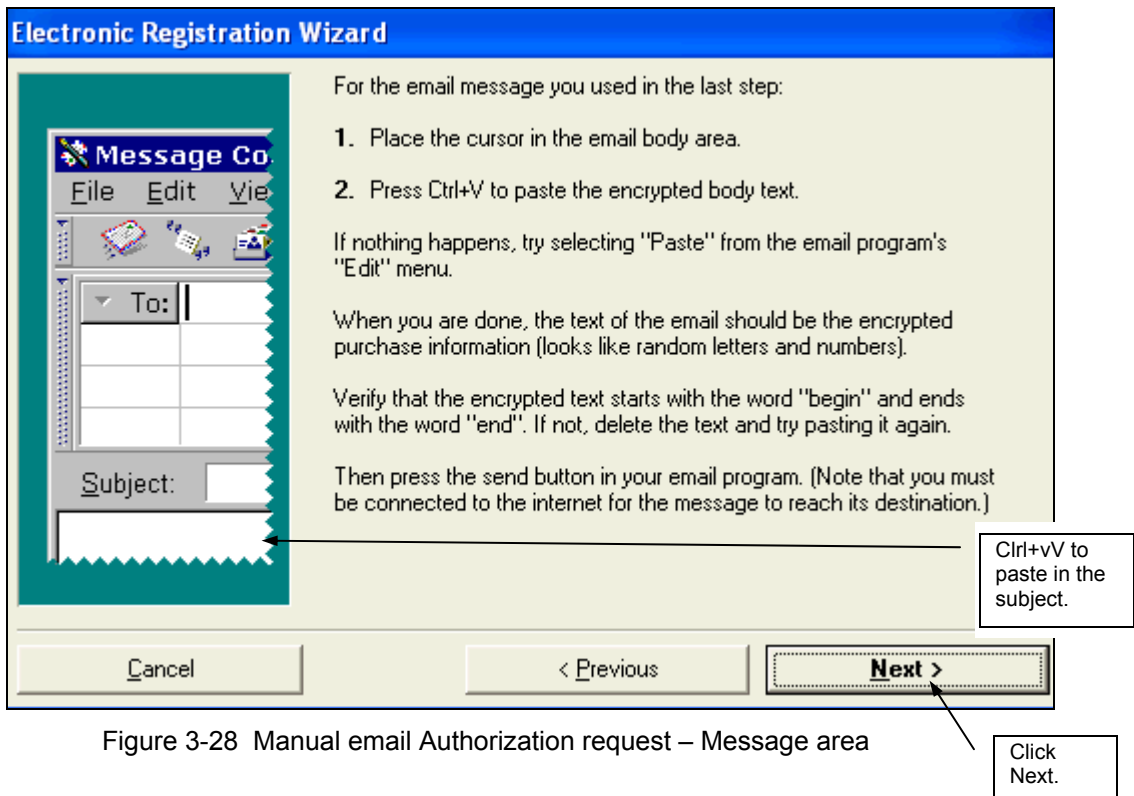


Figure 3-28 Manual email Authorization request – Message area

14. Now click the cursor in the message body area.
15. Press the **Ctrl + v** keys at the same time to paste in the subject (or, select **Paste** from the Edit menu).
16. Check that the message area contains encrypted information. This information looks like random letters and numbers.
17. Verify that the encrypted information starts with "begin" and ends with "end". If not, delete the text and re-paste it in.
18. Send the email according to your email program. (You must be connected to the Internet.)
19. The following screen displays, indicating you have finished the request:



Figure 3-29 Manual Email Authorization request completed

20. Click **Finish**.

21. Retrieve the Site Key from your email program. (Please allow sufficient time for delivery.) A sample email is shown in Figure 3-33 Calculator Demo Program –:

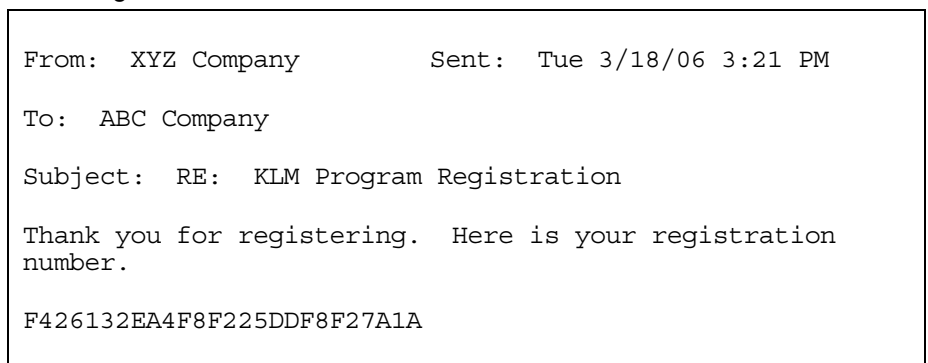


Figure 3-30 Sample Vendor Email containing Site Key

Note: If there was a processing error, the email will contain an error message similar to the following:

From: XYZ Company Sent: Tue 3/18/06 3:21 PM

To: ABC Company

Subject: RE: KLM Program Registration

There was a problem processing your request.

Please contact your software vendor and provide them with the error code and message below:

-10004 No data returned in query of customer data;
serial number is probably not valid.() (serial number:
23)

Figure 3-31 Sample Vendor Email containing Processing error

22. Copy and paste the Site Key into the Site Key box in the License Configuration screen:

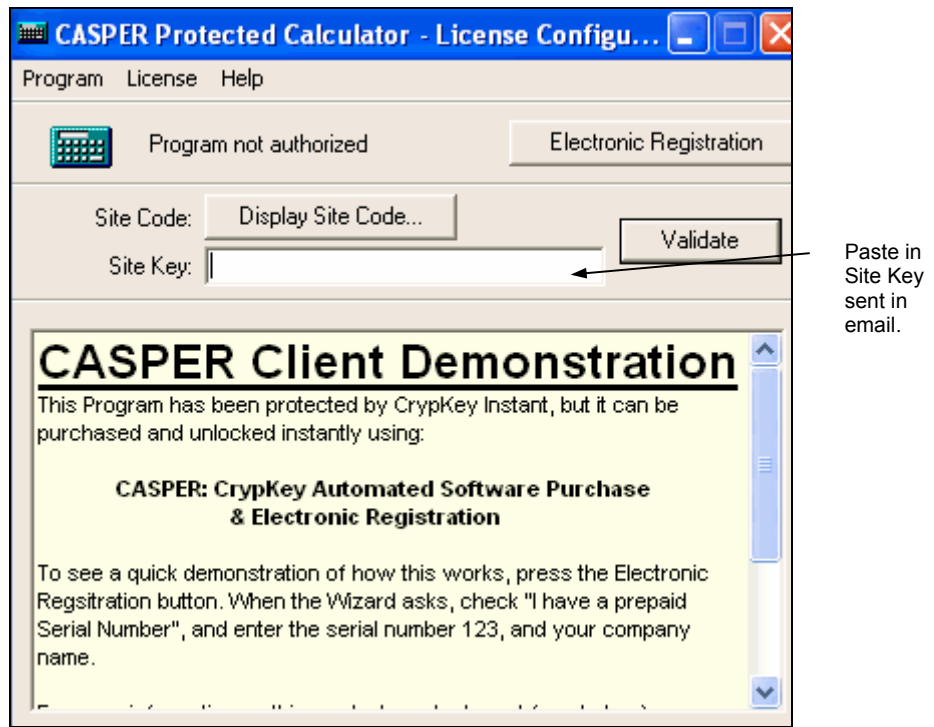


Figure 3-32 End User enters Site Key for Manual Email Authorization Request

23. Click **Validate**. If e-mail is configured on the server you will get an e-mail message back with the Site Key.
24. The software is now authorized for use.

AUTHORIZING VENDOR SOFTWARE USING A CREDIT CARD

For the Credit Card method of software authorization, we will use the demo program Protected Calculator.

Authorization Request Procedure – Credit Card

1. To proceed with the Calculator software example: click the Calculator icon (in Windows XP you will find it under your Start menu/All Programs/Casper/Client Programs). The licensing window appears:

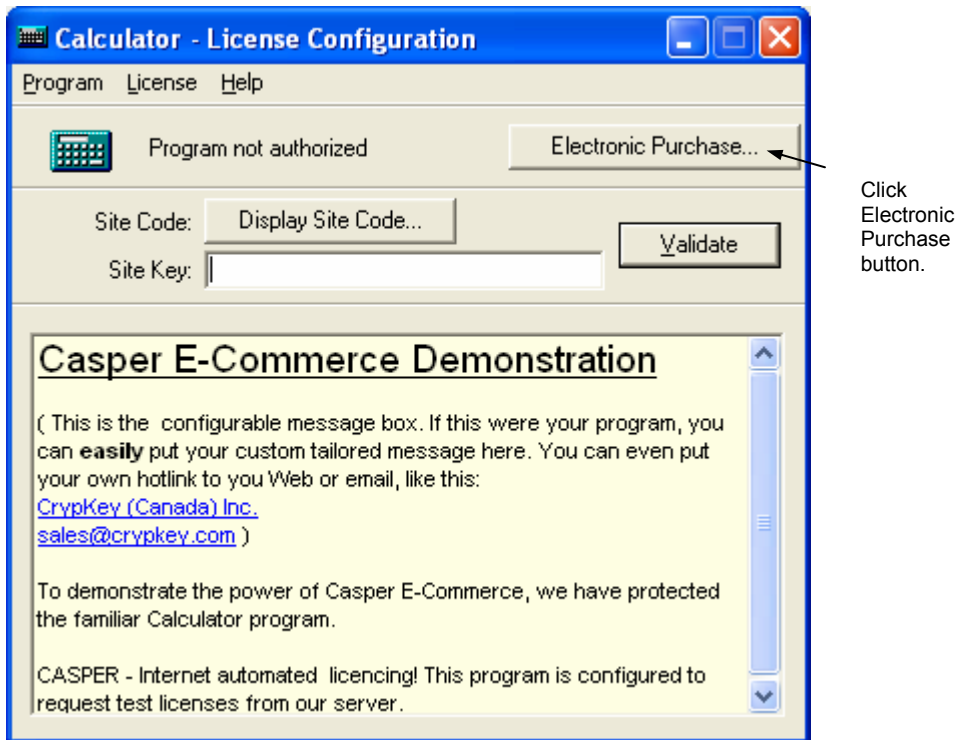


Figure 3-33 Calculator Demo Program – Electronic Purchase

2. Click the **Electronic Purchase** button. The Casper Electronic Purchase Wizard welcome screen appears:

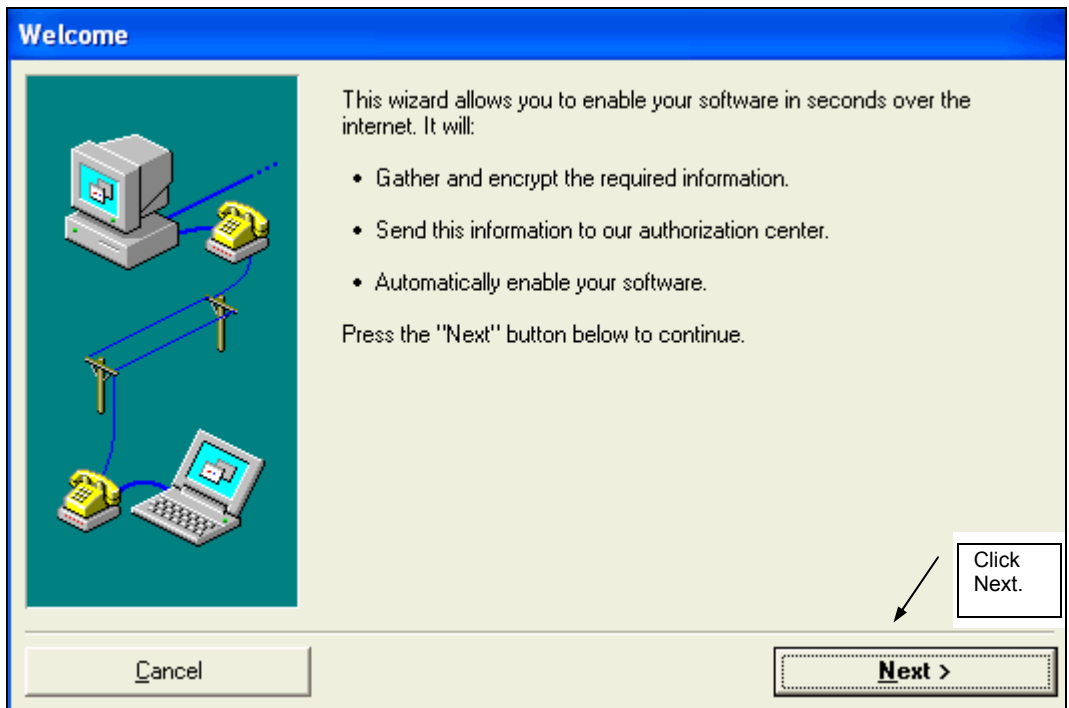


Figure 3-34 eCommerce Wizard Welcome screen

3. Click **Next**. The Purchase Summary screen displays:

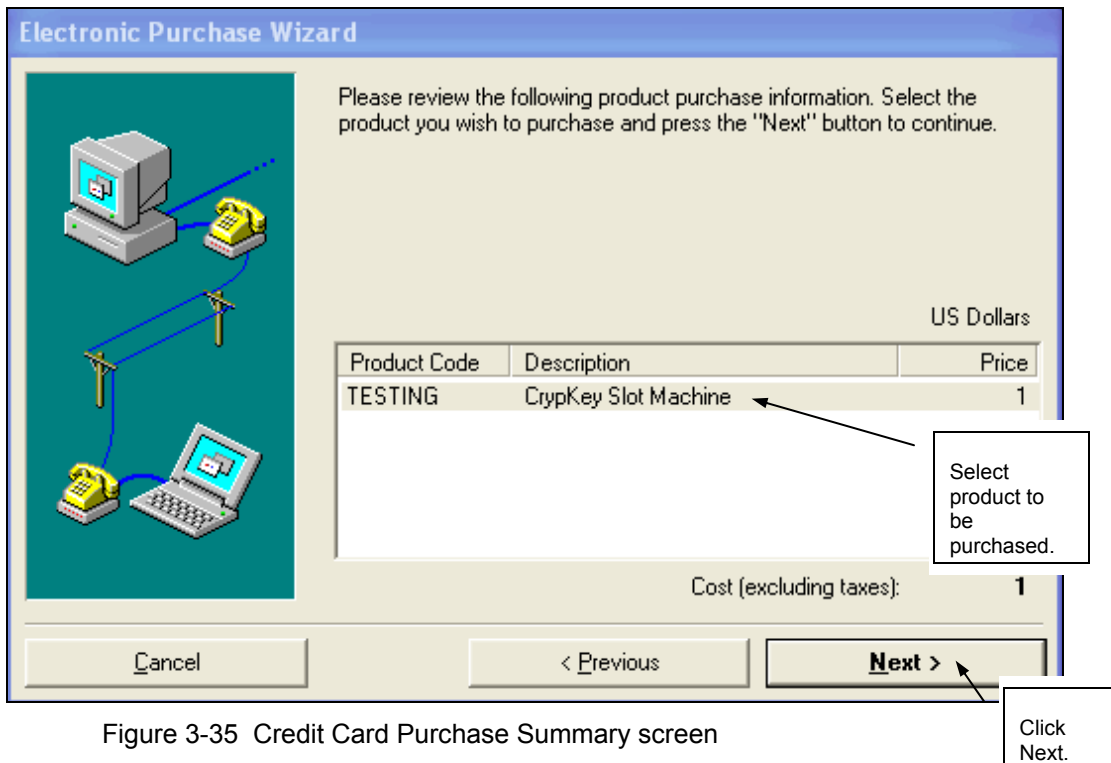



Figure 3-35 Credit Card Purchase Summary screen

4. Select the product to be purchased (in this case it will be CrypKey Slot Machine). The cost value at the bottom of the screen will be updated to match your selection.
5. Click **Next**. The Credit Card information screen will be displayed:

Electronic Purchase Wizard

Please enter your credit card information below and press "Next". Your credit card information will be securely encrypted before being sent over the internet.

The following credit cards are accepted:

 Visa
 MasterCard
 American Express

Name on card:

Card number:

Expiration date:
 01

Enter all card information.

Select expiry date.

Click Next.

Figure 3-36 Credit Card information screen

6. Enter your credit card information. The number must be a valid credit card number or you will receive an error message:



Figure 3-37 Invalid Credit Card message

7. Select the expiry date from the drop-down box. If the credit card uses two digits to specify the year, select the four-digit equivalency from the drop-down box, for example for "06" you would select "2006".
 Note: The expiry month and year must be later than the current date; if it is not, you will receive an error message.
8. Click **Next**. The Personal Information screen displays:

Note: The Personal Information screen will appear only if the vendor used Instant to configure Casper. If SDK was used to power the Wizard, the screen may not appear or the fields may be customized to the vendor's specifications.

Electronic Purchase Wizard

Please fill out the following form. Fields marked with (*) are required. Your information will be securely encrypted before being sent.

First name: * Last name: * Company:

Phoebe Gruenwald Excess Inc.

Address: * Additional address:

908 - 17th Ave SW Suite 205

City: * Country: *

Fairfax United States

Postal code: * Province/State: *

22031 VA Virginia

Email address: *

excess@fairfax.com

Phone number: Fax number:

Cancel < Previous Next >

Figure 3-38 Credit Card Personal Information screen

- Fill in the mandatory fields (marked with *) at minimum. Refer to Table 3-1 Personal Information Fields for Credit Card Purchase.

Note: The Country and Province/State fields contain drop-down lists. The drop-down arrow appears first in the Country field when this field is clicked. When a country abbreviation is selected, a drop-down arrow will appear in the Province/State field.

Table 3-1 Personal Information Fields for Credit Card Purchase

Field	Description
First Name *	Your first name
Last Name *	Your last name
Company	Your company name

Address *	Your company's address
Additional Address	Additional space, if needed, for your company's address
City *	City
Province/State *	Province or state: drop-down list of abbreviations from which you can make a selection
Postal Code *	Your company's postal code
Country *	Country: drop-down list of abbreviations from which you can make a selection
Phone Number	Your telephone number
Fax Number	Your fax number
Email address	Your email address

10. Click **Next**. The Personal Information window will remain displayed, with the Verify Email Address window superimposed:



Figure 3-39 Verify Email Address for Site Key

11. If the email address is correct, click **Yes**. If you click **No** you will be returned to the previous screen to re-enter the correct email address.

12. The purchase summary screen displays, showing the total costs that will be charged to the credit card:



Figure 3-40 Credit Card Purchase Summary screen

13. If you agree with the charges, click **Next**. If you do not agree, click **Cancel**. You will see the following message. Click **Yes** to cancel and exit the program.

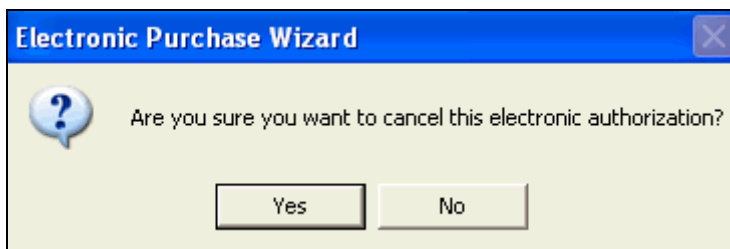


Figure 3-41 Verify cancellation of authorization

14. If you verified the charges in the preceding step, a processing message appears:



Figure 3-42 Processing request Wait message

15. Now follow the steps for sending an authorization request over the Internet or by email—depending on your chosen method—as shown in the sections above.
16. You will receive a message confirming your authorization request has been completed:

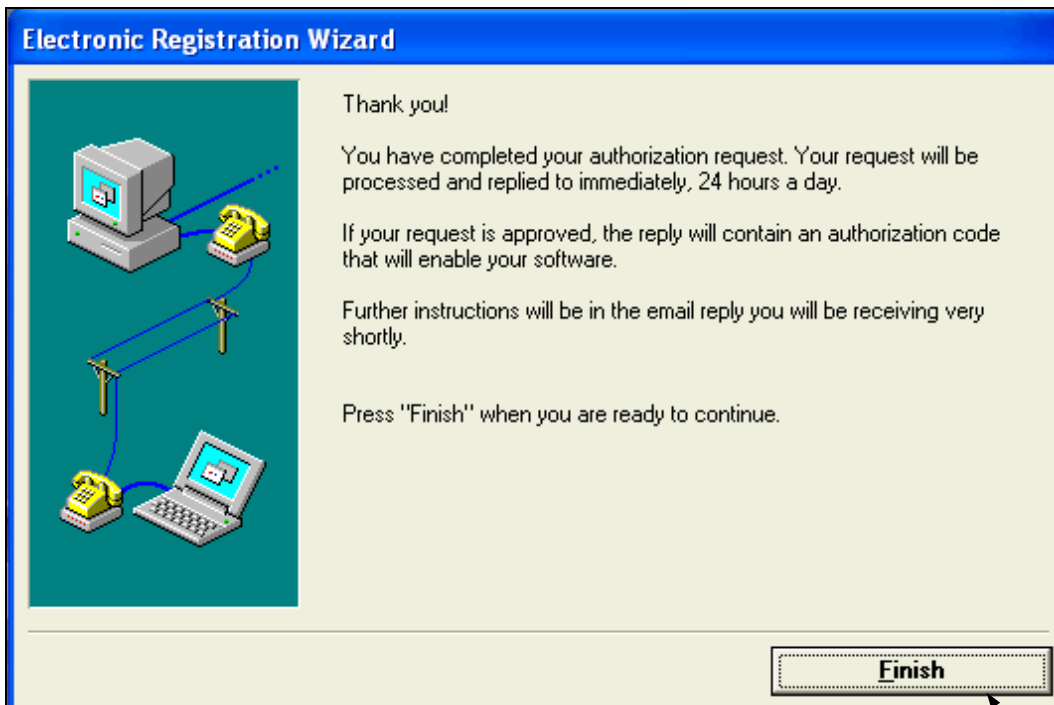


Figure 3-43 Authorization message

17. Click **Finish**.

Click
Finish.

18. If you made the authorization request via the Internet, the Site Key will have been entered for you automatically. If you used either the automatic or manual email method, you will need to copy and paste the Site Key sent in the CrypKey email into the Site Key box in the Slot Machine License configuration window.
19. Once the software has been authorized it is available for the end user's use.

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