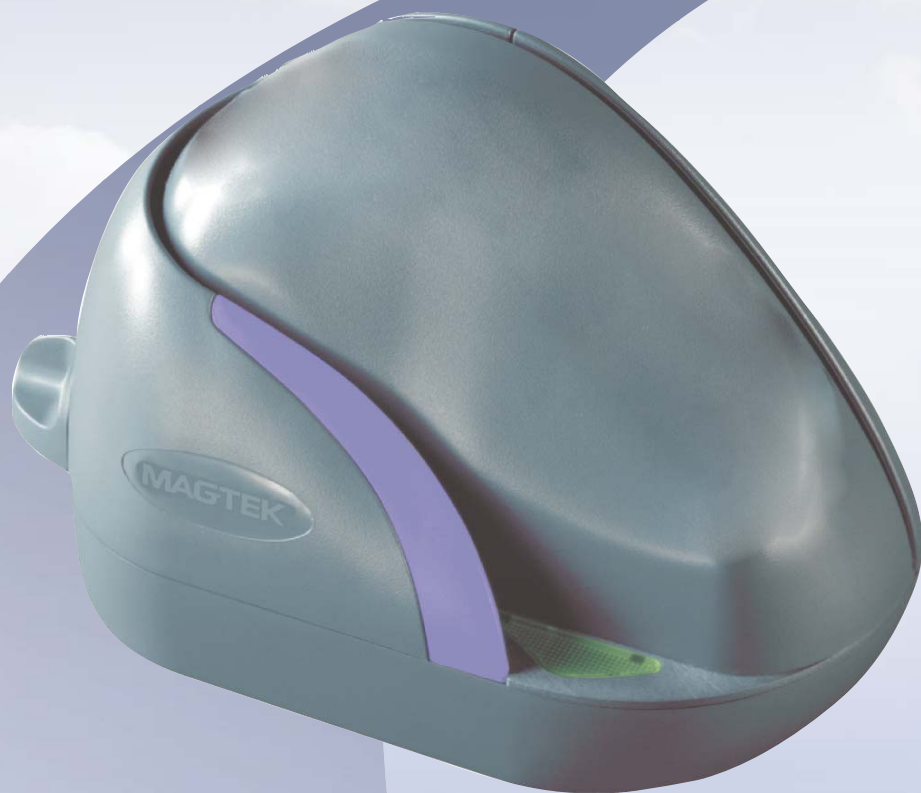




Electronic Check Processing and Remote Deposit System



Magtek Imager Check Scanner Configuration and Installation Guide



TABLE OF CONTENTS

1. PRE-INSTALLATION CHECKLIST	3
2. SCANNER INSTALLATION ASSISTANCE FORM	4
3. ABOUT SECURE PAYMENT SYSTEMS (SPS).....	5
3.1 THE COMPANY.....	5
3.1.1 CUSTOM TAILORED APPLICATIONS.....	5
3.1.2 SPS CONTACT LIST	5
4. WEB BROWSER CONFIGURATION.....	6
4.1 WEB BROWSER SETTINGS.....	6
4.2 ACTIVEX CONTROLS	8
4.2.1 ACTIVEX CONFIGURATION SETTINGS	8
4.3 CUSTOMER LOGIN	11
4.3.1 LOGIN PAGE	11
4.3.2 EXPRESSCHECK21 - ELECTRONIC CHECK PROCESSING SYSTEM.....	12
4.4 TEST YOUR BROWSER SETTINGS	12
5. FIRST TIME USER CONFIGURATION.....	15
5.1 ARC SYSTEM	15
5.1.1 SYSTEM CONFIGURATION.....	17
APPENDIX A BROWSER SETTINGS ADDENDUM.....	21
1.1 SUPPORT SSL ENCRYPTION	21
1.2 ACCEPT COOKIES.....	22
JAVA ENABLED FOR MICROSOFT VM.....	24
1.3 JAVA ENABLED.....	24
JAVA ENABLED FOR JAVA SUN	26
JAVASCRIPT ENABLED.....	27
1.4 JAVASCRIPT ENABLED	27

1. PRE-INSTALLATION CHECKLIST

Take this opportunity to fill out the Pre-Installation Checklist below to be sure that you have all the requirements needed for a successful scanner installation.

NOTE: You must have **Administrative Privileges*** on your PC to perform the installation. If you are not sure if you have administrative privileges or if your system does not meet the requirements below, please check with your PC support staff before proceeding.

PRE-INSTALLATION CHECK LIST	
OPERATING SYSTEM <i>(Please check one)</i>	
Windows 2000	<input type="checkbox"/>
or	
Windows XP	<input type="checkbox"/>
INTERNET EXPLORER <i>(Please check one)</i>	
For the latest version of IE, go to www.microsoft.com	
6.0	<input type="checkbox"/>
or	
7.0	<input type="checkbox"/>
INTERNET CONNECTION	
High-Speed (DSL, Cable, T1)	<input type="checkbox"/>
JAVA <i>(Please check one)</i>	
For the latest java version, go to www.java.com	
Microsoft VM	<input type="checkbox"/>
or	
JVM	<input type="checkbox"/>
SYSTEM SPECS	
Minimum Requirements	
CPU 1.8 GHZ	<input type="checkbox"/>
RAM 128 MB	<input type="checkbox"/>
Serial Port Connection	<input type="checkbox"/>
Recommended	
CPU 2.8 GHZ	<input type="checkbox"/>
RAM 256 MB	<input type="checkbox"/>
My PC	
CPU ____ GHZ	
RAM ____ MB	
SCREEN RESOLUTION	
Works best with screen resolution 1024x768	

*Administrative Privileges is the ability to change the computers configuration and install new software applications.

2. SCANNER INSTALLATION ASSISTANCE FORM

If you have difficulty installing your scanner, please complete and send the Scanner Installation Assistance Form to Secure Payment Systems Technical Support Department via fax (858) 549-1323 or email support@securepaymentsystems.com.

File Code:		Product:	<input type="checkbox"/> ARC <input type="checkbox"/> IRD
Scanner Model:		Serial #:	
COMPANY INFORMATION			
Company Name / Location (City/State):			
Installer Name & Number:			
IT / Network ADMIN (If any):			
Data Processor (If any):			
Type of Company:			

COMPUTER INFORMATION

If you have difficulty answering the questions below, please contact your PC support staff.

Operating System: ☐ WIN XP ☐ WIN 2000 Ver. _____ Service Pack: _____

1. Does installer have Administrative Rights? ☐ Yes ☐ No
2. Do you have Internet Explorer 5.5 or above? ☐ Yes ☐ No
3. Type of Internet Connection: ☐ DSL ☐ CABLE ☐ T1 ☐ OTHER _____
4. Is there a Fire Wall? ☐ Yes ☐ No
5. Is the Pop-Up Blocker turned off? ☐ Yes ☐ No

Please choose a date and time for an installation walk through.

Date: _____ Day: _____ Time: _____ Time Zone: _____

Comments: _____

3. ABOUT SECURE PAYMENT SYSTEMS

3.1 THE COMPANY

Secure Payment Systems (SPS) is a transaction processing and risk management company that specializes in the needs of small and midsize businesses. In addition to traditional point-of-sale transaction processing, we offer electronic check conversion, gift and loyalty card processing, a proprietary ATM debit payroll / international funds transfer card, as well as an array of sophisticated web-based products including a recurring debit and credit platform and the popular check21 solution. In other words, Secure Payment Systems provides you with affordable solutions that you need to compete with the retail elite.

Secure Payment Systems is helping business change the way it operates – implementing enhanced check fraud algorithms, focusing on new customer marketing strategies, maximizing untapped opportunity, protecting profits and increasing revenues. And that is no small change.

3.1.1 CUSTOM TAILORED APPLICATIONS

SPS products and services are highly scalable and adaptable within all business environments via our secure state-of-the-art, web based software. We understand that one size does not fit all. No matter what your business, SPS can custom tailor a payment solution to meet your specific needs so you can benefit from electronic processing technologies. We fully integrated and enhanced the functionality of our products and services to specifically meet the needs of merchants, banks, financial institutions, collection agencies, property management companies, and more.

3.1.2 SPS CONTACT LIST

For more information on our various solutions, contact a SPS representative at: 1.888.313.7842.

Technical Support

support@securepaymentsystems.com

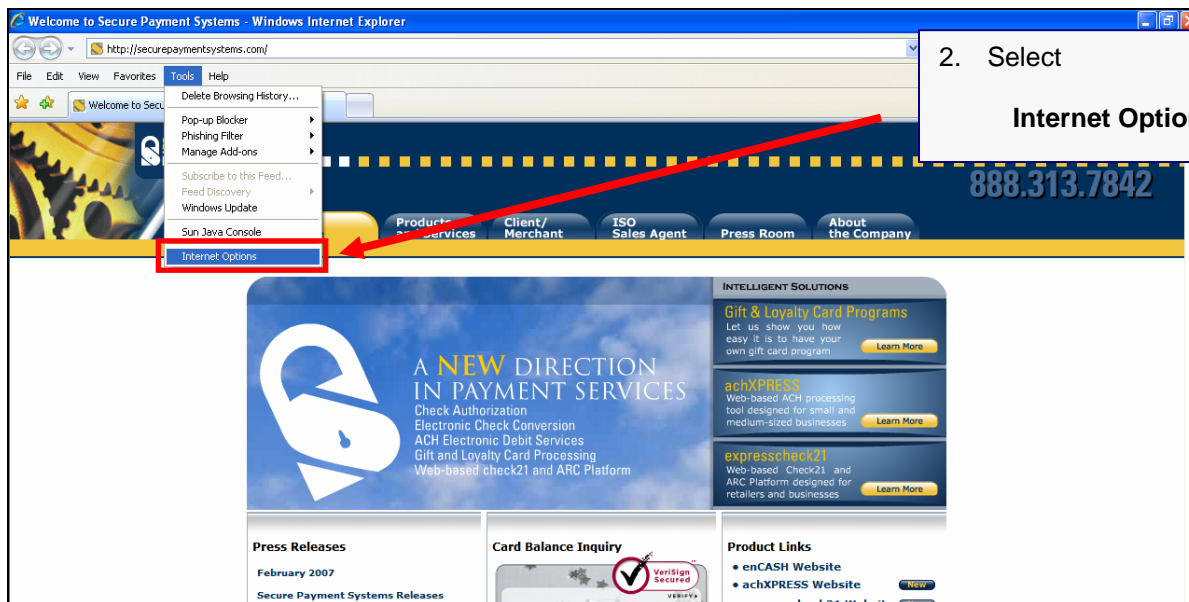
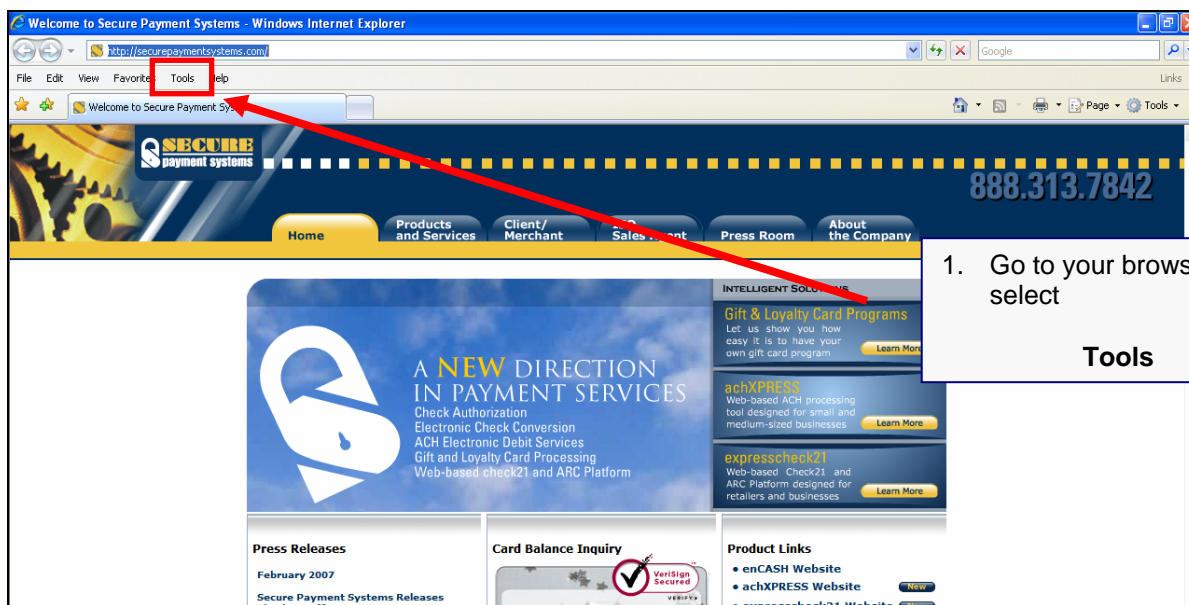
Sales and Marketing

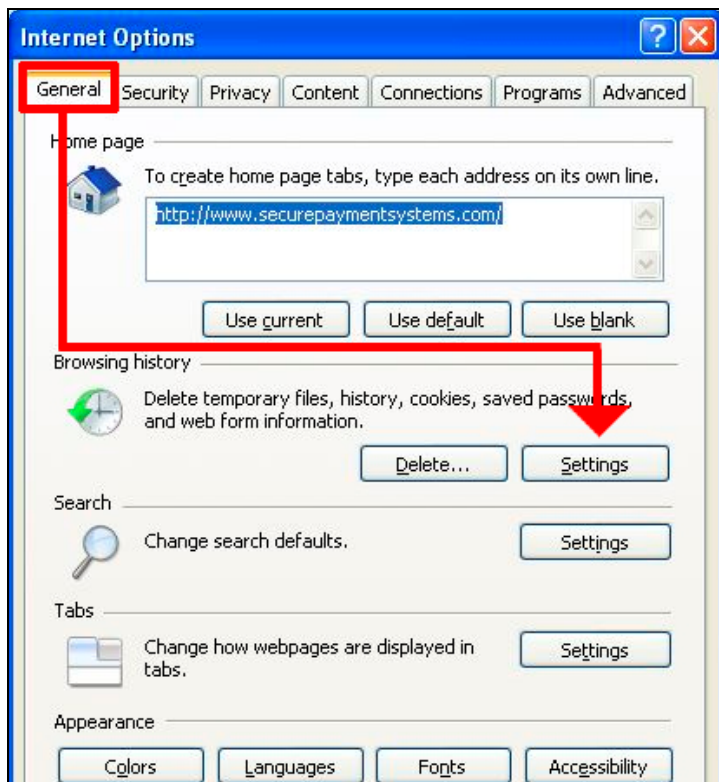
sales@securepaymentsystems.com

4. WEB BROWSER CONFIGURATION

The following are detailed instructions to ensure your Page Refresh settings are configured properly.

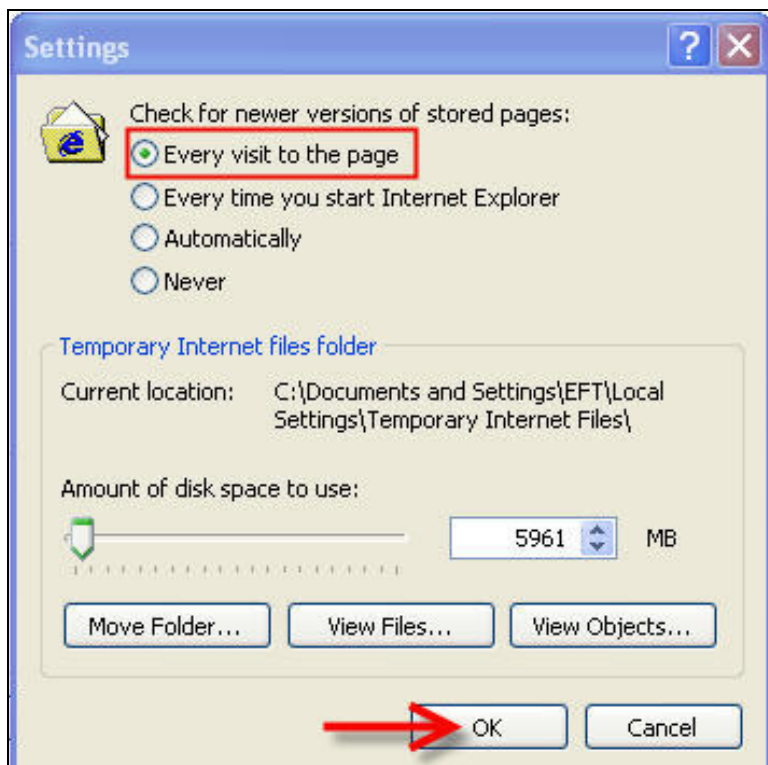
4.1 WEB BROWSER SETTINGS





3. On the Internet Options window go to General Tab and select

Settings



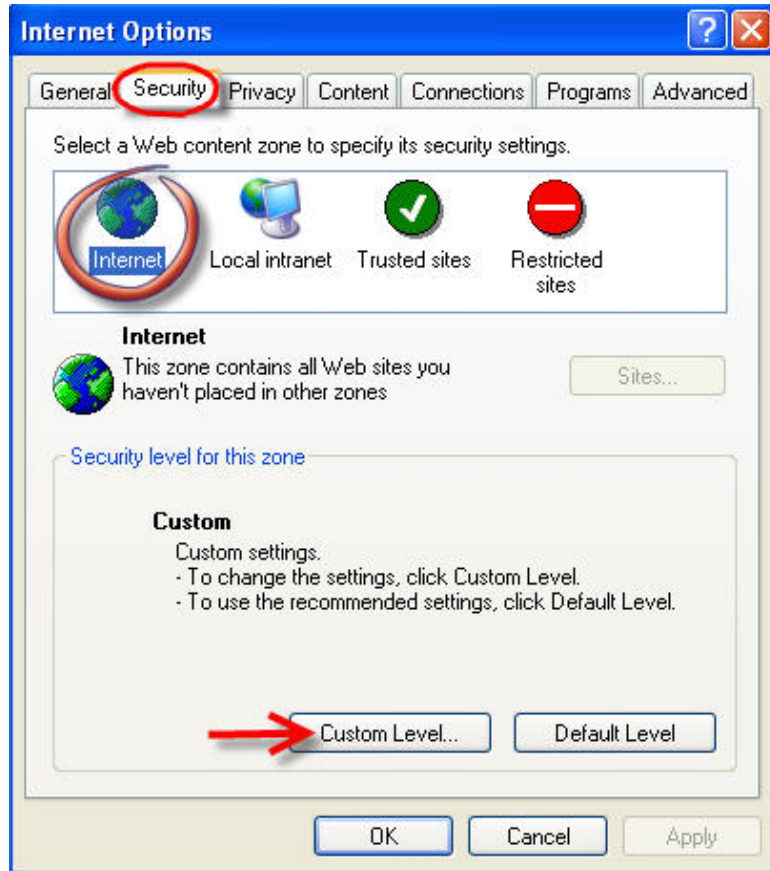
4. In the Settings window, under Check for newer versions of stored pages, select

Every visit to the page

5. Select

OK

4.2 ACTIVEX CONTROLS



6. On the Internet Options window go to the Security tab, highlight

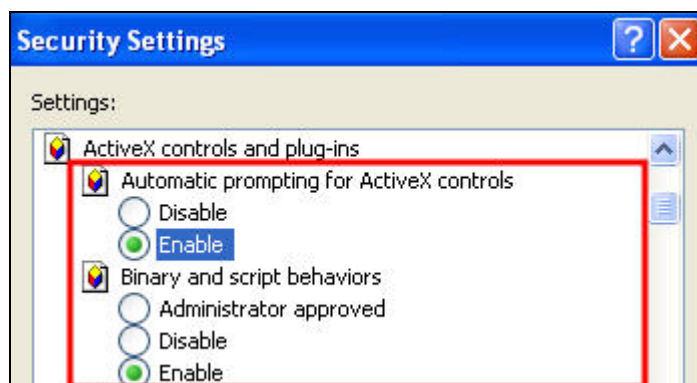
Internet

7. Select

Custom Level

4.2.1 ACTIVEX CONFIGURATION SETTINGS

On PC's running Windows XP-SP2, the following two setting options will appear, before the other five listed below, and should have the configuration settings noted:



Security Settings window will automatically appear.

8. Scroll down to section

ActiveX controls and plug-ins

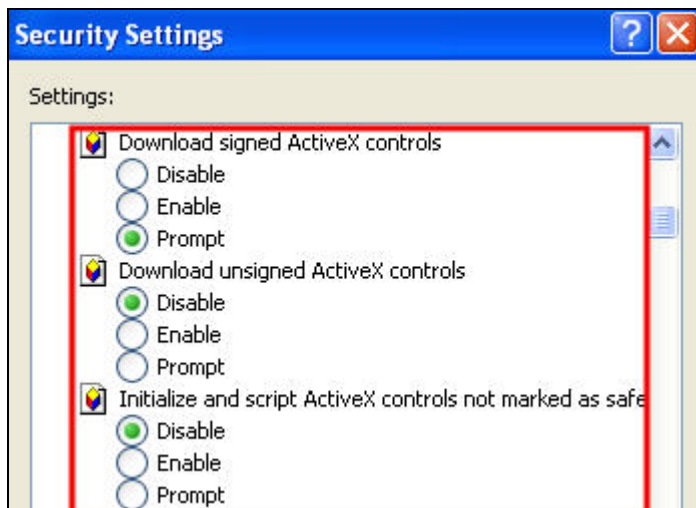
9. Automatic Prompting for ActiveX controls:

Enable

10. Binary and script behaviors:

Enable

On all PC's, the following five setting options will appear and should have the configuration settings noted:



11. Download signed ActiveX controls:

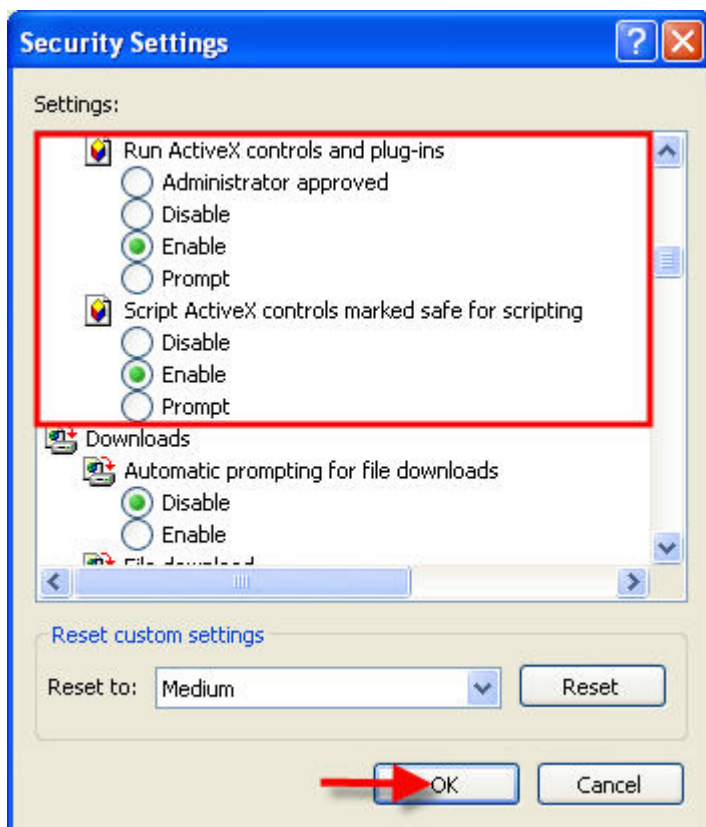
Prompt

12. Download unsigned ActiveX controls:

Disable

13. Initialize and script ActiveX controls not marked as safe:

Disable



14. Run ActiveX controls and plug-ins:

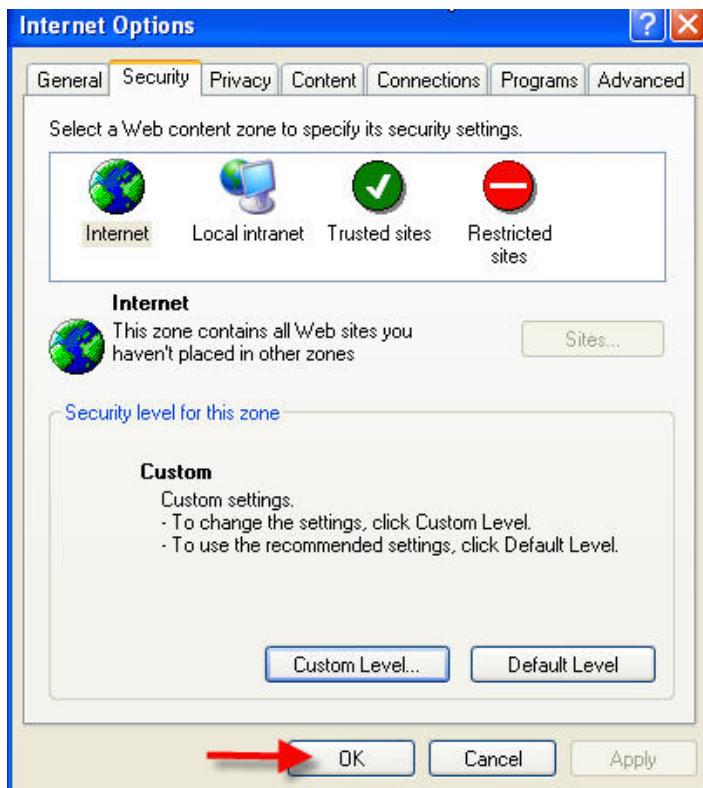
Enable

15. Script ActiveX controls marked safe for scripting:

Enable

16. To save the changes, select

OK



The Internet Options window will automatically appear.

17. Close the Internet Options window by selecting

OK or Apply

4.3 CUSTOMER LOGIN

1. Launch your browser and go to www.securepaymentsystems.com

2. On the right hand side, select **expresscheck21 Website**

4.3.1 LOGIN PAGE

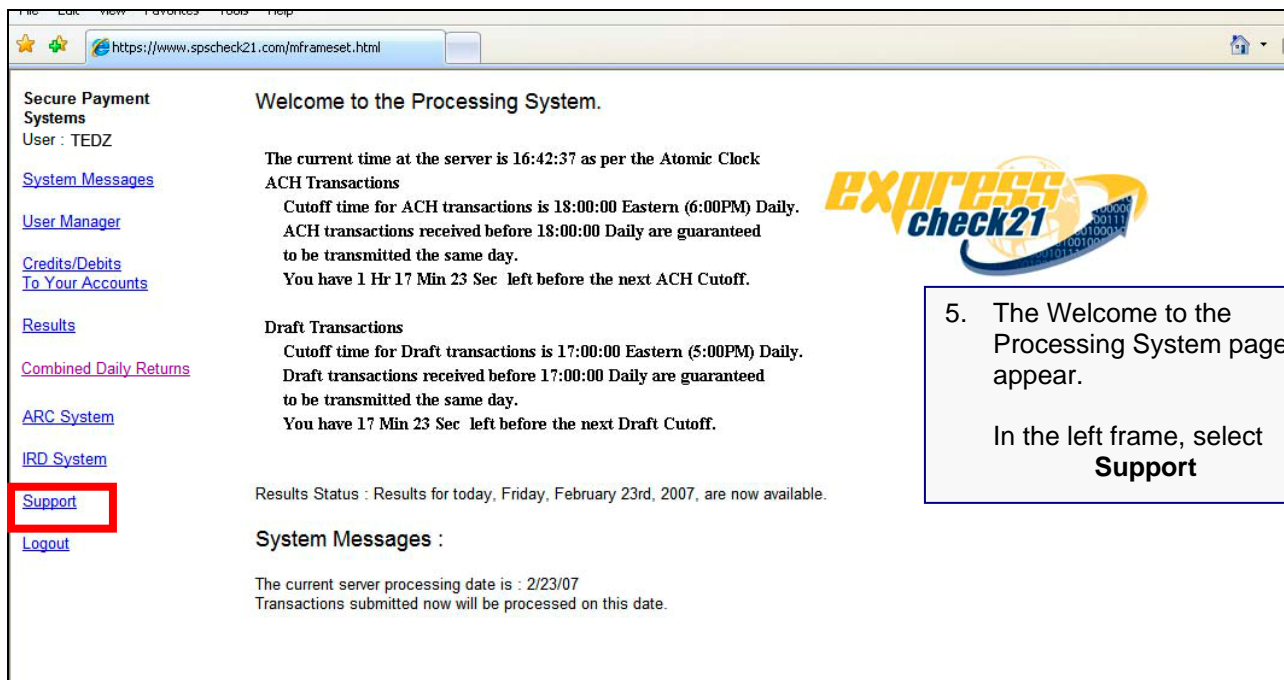
3. Enter your:

- File Code
- User Name
- Password

NOTE: Password is Case Sensitive, All Caps are required.

4. Select **Enter**

4.3.2 EXPRESSCHECK21 - ELECTRONIC CHECK PROCESSING SYSTEM



Welcome to the Processing System.

The current time at the server is 16:42:37 as per the Atomic Clock

ACH Transactions
Cutoff time for ACH transactions is 18:00:00 Eastern (6:00PM) Daily.
ACH transactions received before 18:00:00 Daily are guaranteed to be transmitted the same day.
You have 1 Hr 17 Min 23 Sec left before the next ACH Cutoff.

Draft Transactions
Cutoff time for Draft transactions is 17:00:00 Eastern (5:00PM) Daily.
Draft transactions received before 17:00:00 Daily are guaranteed to be transmitted the same day.
You have 17 Min 23 Sec left before the next Draft Cutoff.

Results Status : Results for today, Friday, February 23rd, 2007, are now available.

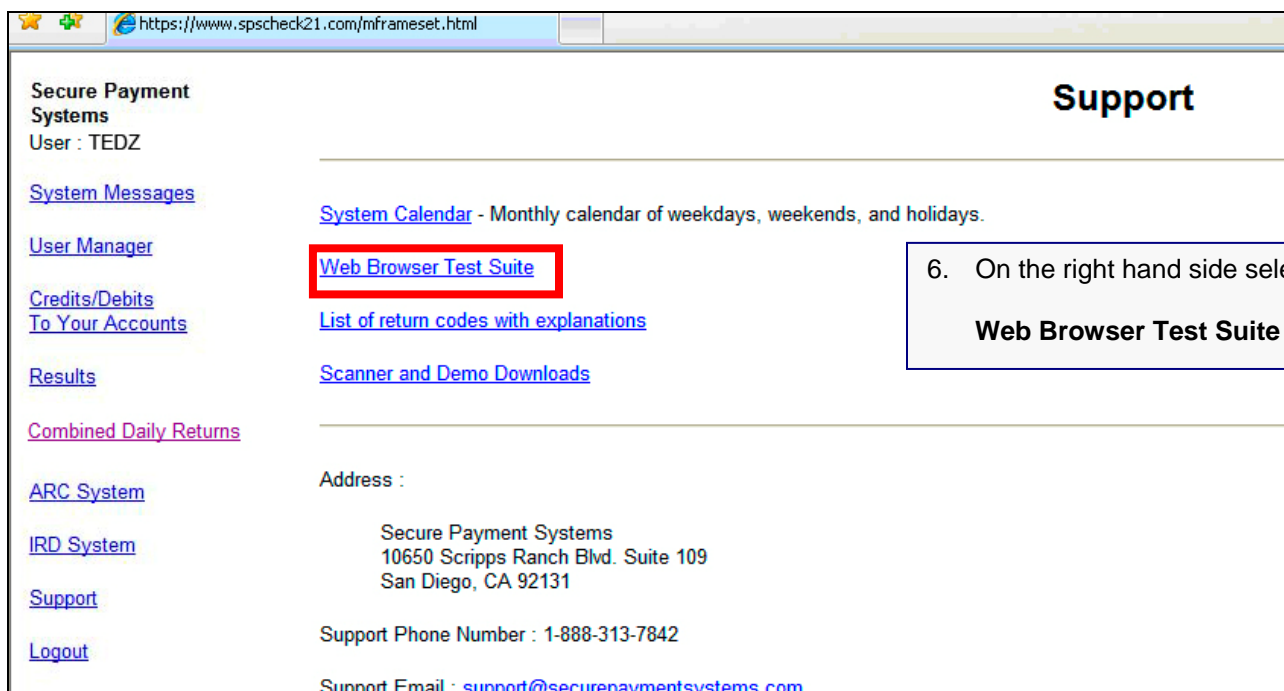
System Messages :
The current server processing date is : 2/23/07
Transactions submitted now will be processed on this date.

Support

5. The Welcome to the Processing System page will appear.

In the left frame, select
Support

4.4 TEST YOUR BROWSER SETTINGS



Support

Web Browser Test Suite

System Calendar - Monthly calendar of weekdays, weekends, and holidays.

List of return codes with explanations

Scanner and Demo Downloads

Address :
Secure Payment Systems
10650 Scripps Ranch Blvd. Suite 109
San Diego, CA 92131

Support Phone Number : 1-888-313-7842

Support Email : support@securepaymentsystems.com

6. On the right hand side select
Web Browser Test Suite

7. Seven browser tests will be displayed, select

Test your BROWSER HERE!!

The Results will be displayed on the next screen, with a status for each test.

Test	Status	Additional Information
Test 1 - Browser Version	PASSED	MSIE - Version 6.0 USER_AGENT : Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1)
Test 2 - JavaScript	PASSED	
Test 3 - Java	PASSED	
Test 4 - Java Version	PASSED	Current Java Version : 1.5.0_06(Sun)
Test 5 - Cookies	PASSED	
Test 6 - Session Cookies	PASSED	
Test 7 - SSL	PASSED	

8. If your browser is configured properly, all seven will display

PASSED

9. Close the Results of browser test suite window.

NOTE: If one status displays something other than **PASSED** or if the test seems to hang, refer to [Appendix A, Browser Settings Addendum](#) for details of browser setting configuration.

Secure Payment Systems
User : TEDZ

[System Messages](#)
[User Manager](#)
[Credits/Debits To Your Accounts](#)
[Results](#)
[Combined Daily Returns](#)
[ARC System](#)
[IRD System](#)
[Support](#)
[Logout](#)

The following tests will be performed :

- Test 1 - Browser Version
- Test 2 - JavaScript
- Test 3 - Java
- Test 4 - Java Version
- Test 5 - Cookies
- Test 6 - Session Cookies
- Test 7 - SSL

Please be patient while the tests are performed. After all tests are performed, a report will be displayed in your browser.

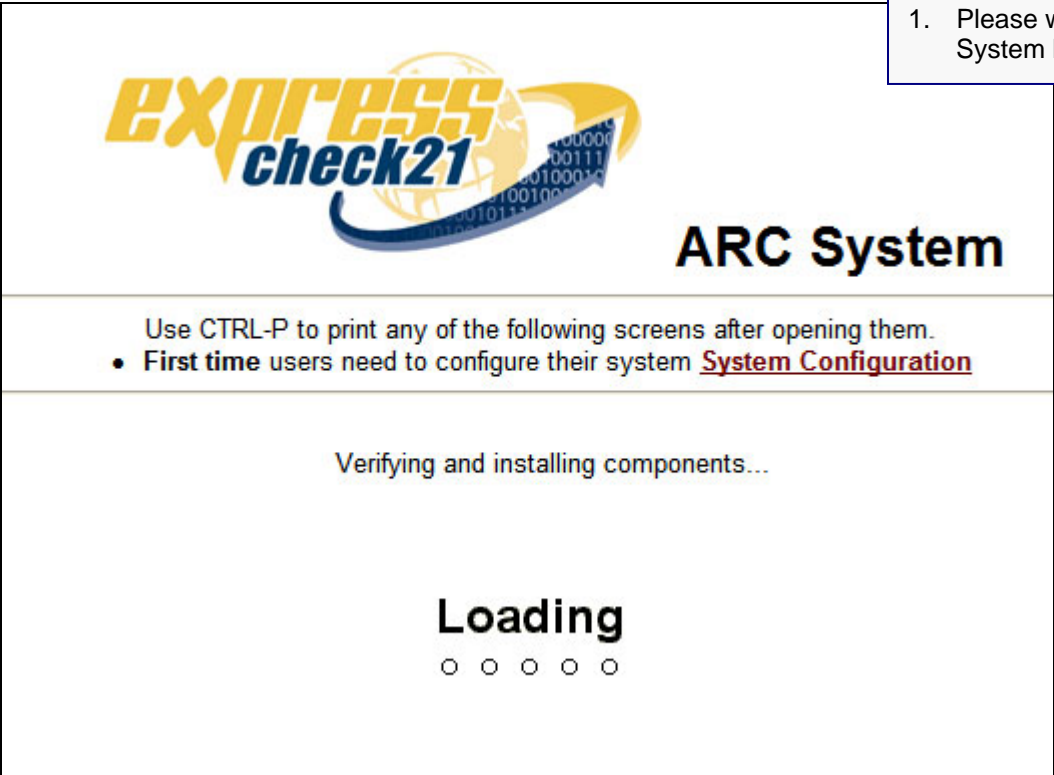
[Test your BROWSER HERE !!](#)

10. On the left panel, select
ARC System

5. FIRST TIME USER CONFIGURATION


5.1 ARC SYSTEM

1. Please wait as the ARC System loads

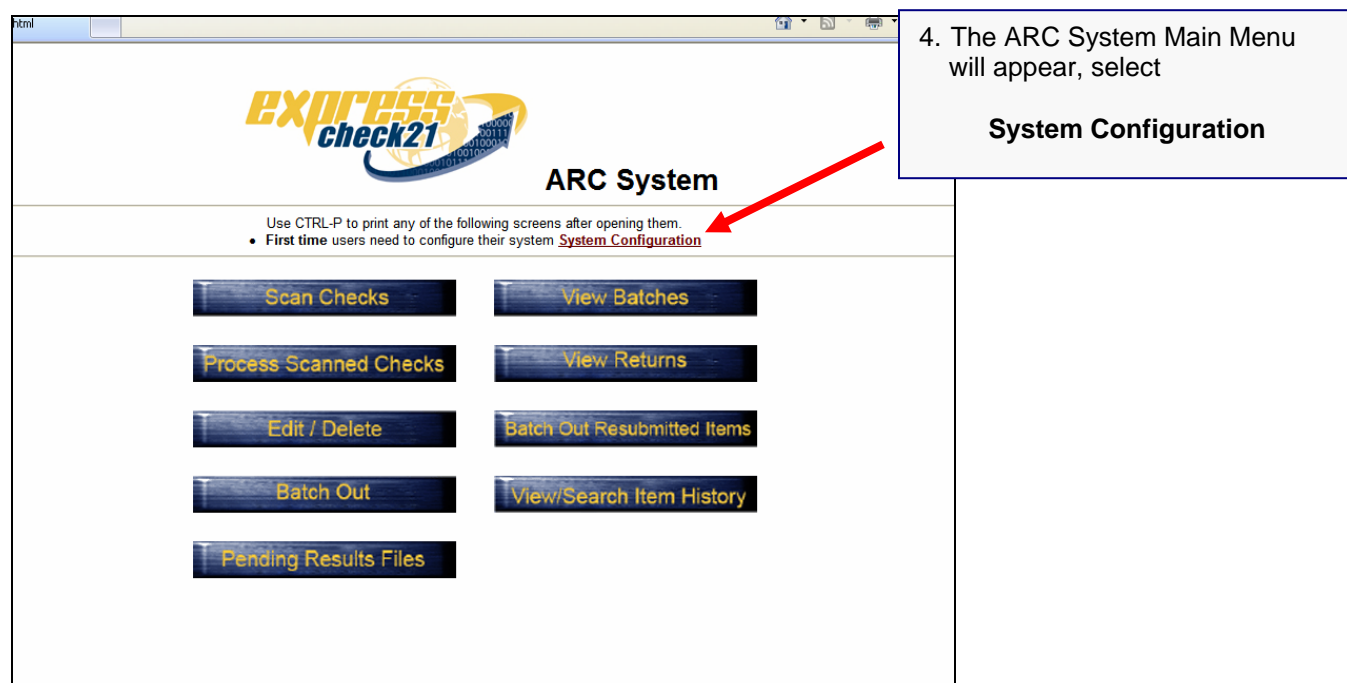
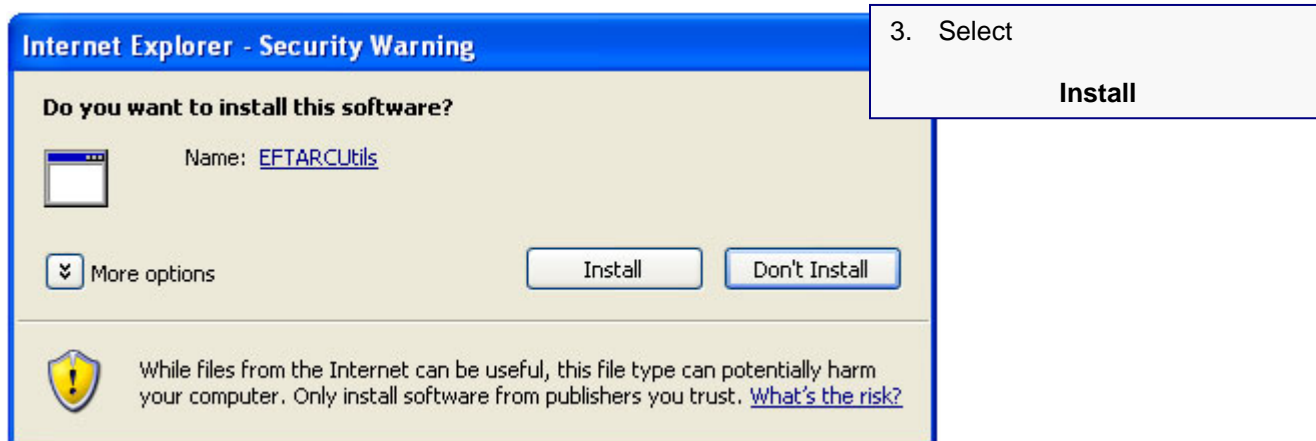


The screenshot shows the ARC System loading screen. At the top left is the 'express check21' logo. To its right is the text 'ARC System'. Below the logo is a message: 'Use CTRL-P to print any of the following screens after opening them.' followed by a bullet point: '• First time users need to configure their system System Configuration'. Below this is the text 'Verifying and installing components...'. At the bottom, the word 'Loading' is displayed above five small circles, indicating a progress bar.

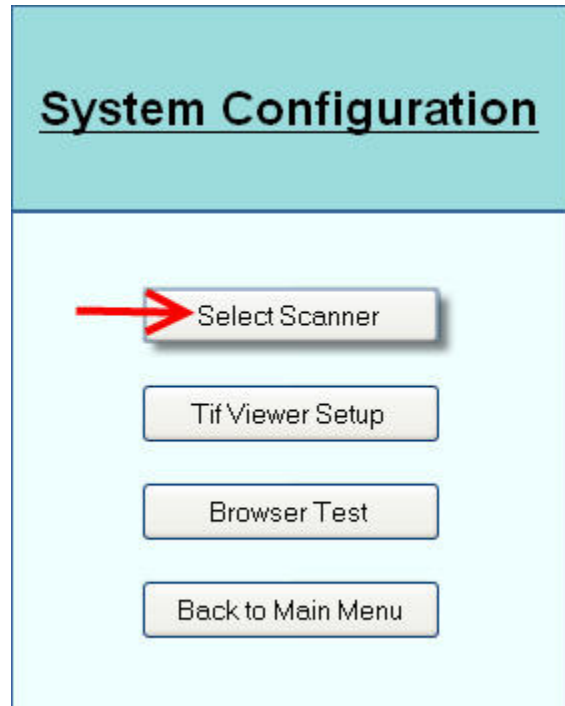
2. Select **OK**



The screenshot shows a Microsoft Internet Explorer security warning dialog box. The title bar says 'Microsoft Internet Explorer'. The main text asks: 'Do you want to Trust EFT to Deploy components on this Computer?'. There are two buttons: 'OK' and 'Cancel'. A red arrow points to the 'OK' button.

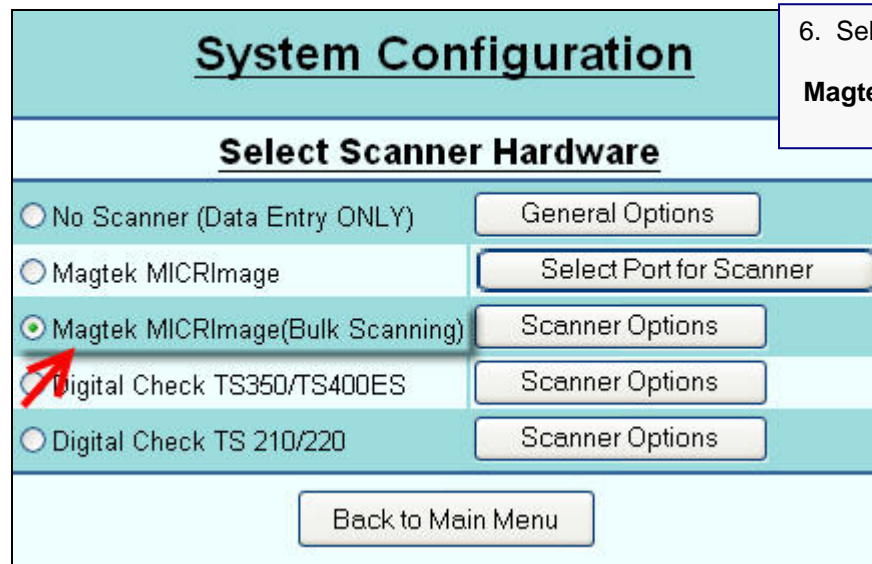


5.1.1 SYSTEM CONFIGURATION



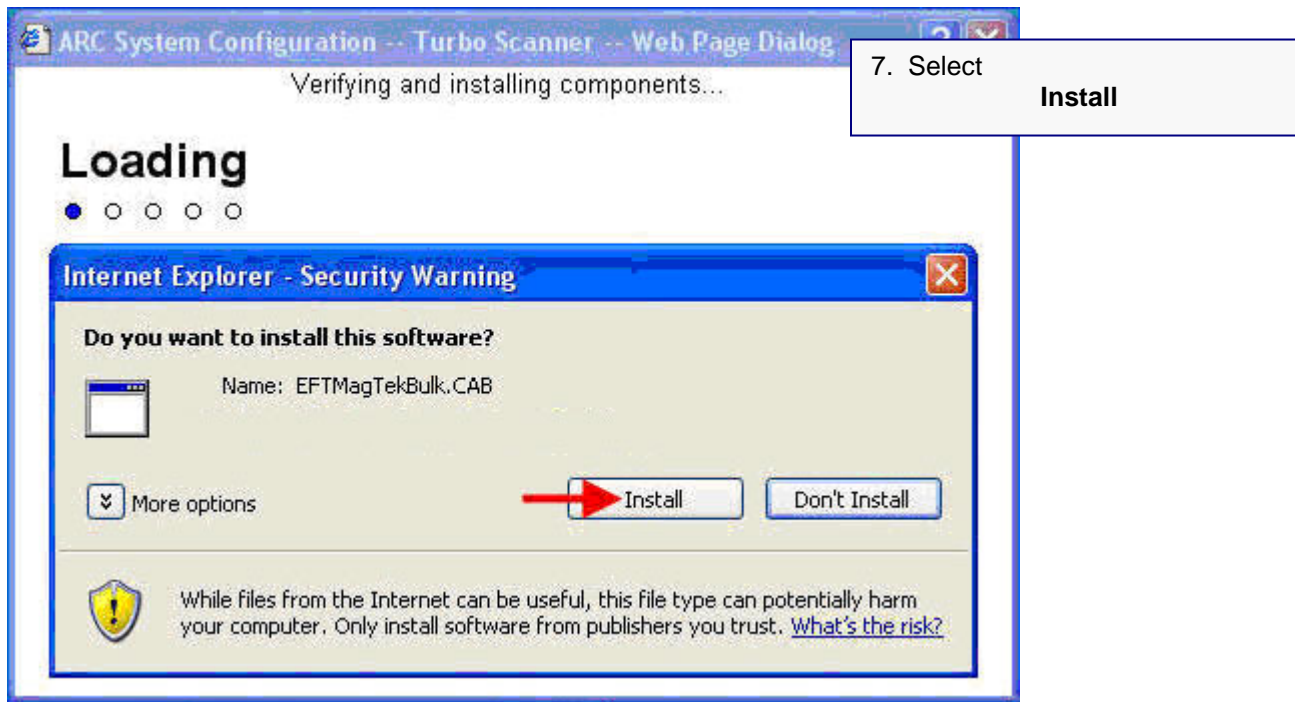
5. Select

Select Scanner



6. Select

Magtek MICRImage (Bulk Scanning)



MagTek (BULK) Scanner Setup

Serial Port:	COM 1
Entry Mode	Master Account List Mode
Snippet Type:	Courtesy Amount
Upload Type:	FTP (Encrypted)

Test Scanner **Close**


Magtek (Bulk) Scanner Setup will automatically appear with default values.

8. Select

Test Scanner

MagTek (BULK) Scanner Setup

Serial Port:	COM 1
Entry Mode	Master Account List Mode
Snippet Type:	Courtesy Amount
Upload Type:	FTP (Encrypted)



A Microsoft Internet Explorer error dialog box with a yellow warning triangle icon. The text inside reads "Scanner detected on COM1". Below the text is an "OK" button. A red arrow points to the "OK" button.

You should receive a message stating your **Scanner detected on COM1**

9. Select

OK


NOTE: If you receive an error message initializing the Magtek Scanner, select **COM 2** and repeat **Step 8**. If you receive an error message again, you may have to cycle through **COM3** and **COM4** until the scanner is found.

If for some reason the scanner cannot be found, fill out the **Scanner Installation Assistance Form** in Section 2 or contact Secure Payment Systems Technical Support at 1.888.313.7842.

If you're unable to initialize your TurboScanner go to [Appendix A Browser Settings Addendum](#).

MagTek (BULK) Scanner Setup

Serial Port:	COM 1
Entry Mode	Master Account List Mode
Snippet Type:	Courtesy Amount
Upload Type:	HTTPs (Secure)



Two buttons are shown: "Test Scanner" and "Close". A red arrow points to the "Test Scanner" button.

Once the scanner is detected

10. Select

Close

Secure Payment
Systems
User : TEDZ

[System Messages](#)

[User Manager](#)

[Credits/Debits
To Your Accounts](#)

[Results](#)

[ARC System](#)

[IRD System](#)

[Support](#)

[Logout](#)


System Configuration	
Select Scanner Hardware	
<input type="radio"/> No Scanner (Data Entry ONLY)	General Options
<input type="radio"/> Magtek MICRImage	Select Port for Scanner
<input checked="" type="radio"/> Magtek MICRImage(Bulk Scanning)	Scanner Options
<input type="radio"/> Digital Check TS350/TS400ES	Scanner Options
<input type="radio"/> Digital Check TS 220/230	Scanner Options
Back to Main Menu	

You will automatically return to the **Select Scanner Hardware** page. On the left hand panel

11. Select

ARC System

html

**ARC System**

Use CTRL-P to print any of the following screens after opening them.

- First time users need to configure their system [System Configuration](#)

Scan Checks	View Batches
Process Scanned Checks	View Returns
Edit / Delete	Batch Out Resubmitted Items
Batch Out	View/Search Item History
Pending Results Files	

The **Scan Checks** function is now available.

For instructions on how to **Scan Checks**, please proceed to the **ARC/Check 21 User Guide**.

APPENDIX A BROWSER SETTINGS ADDENDUM

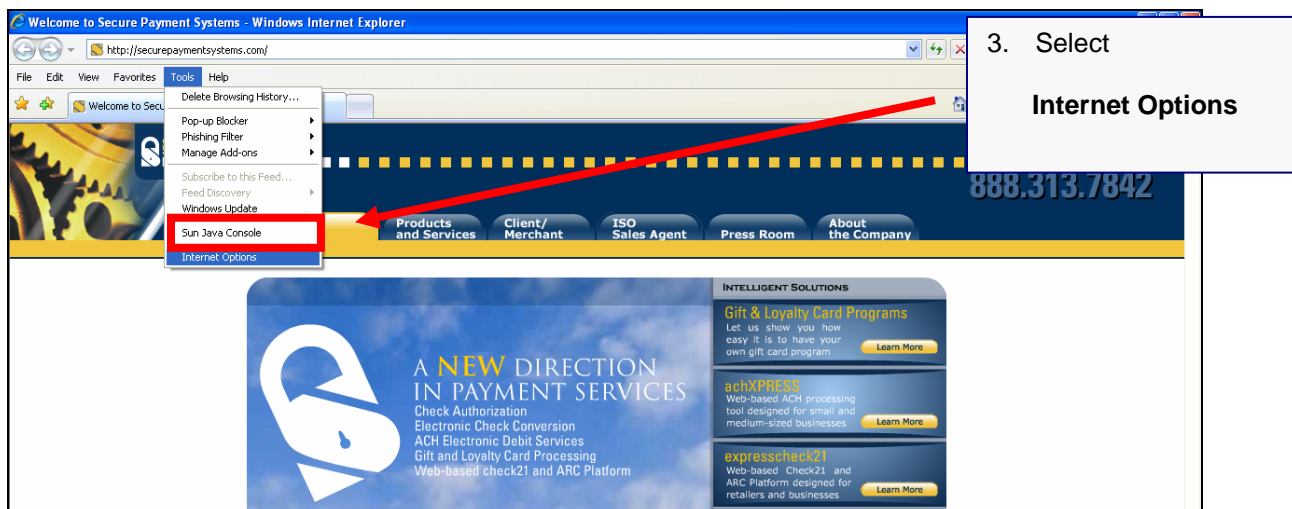
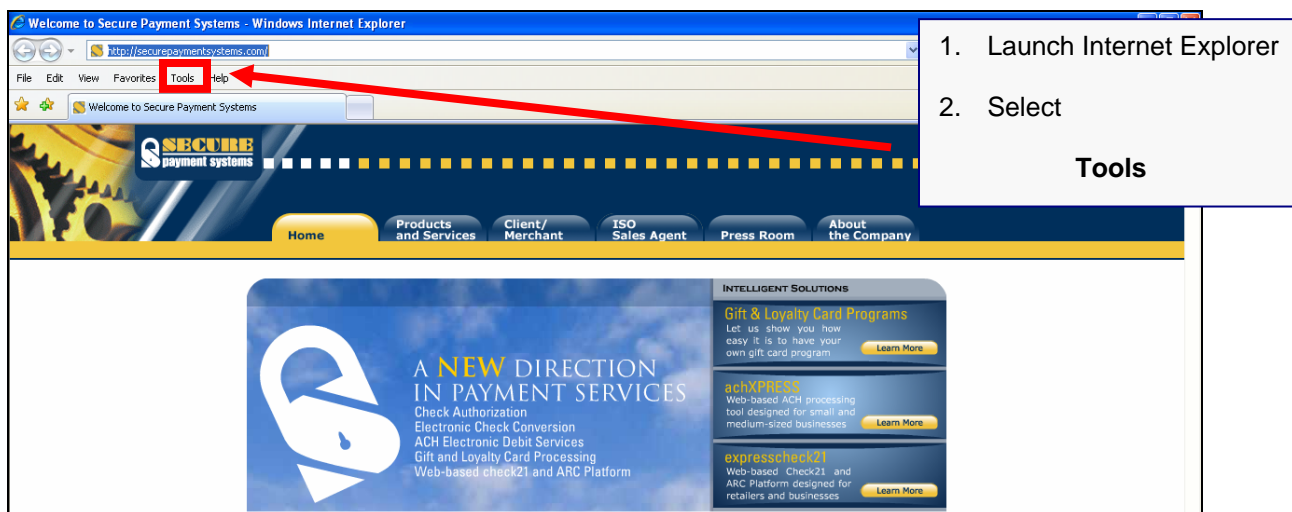
NOTE: Problem Resolution

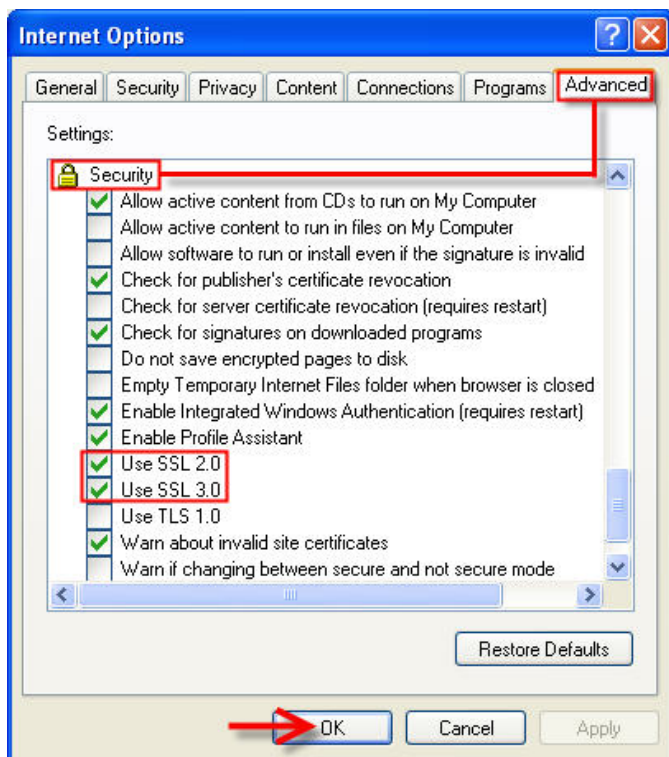
Your web browser must be configured with the following settings:

- Support SSL Encryption
- Accept Cookies
- Java Enabled
- JavaScript Enabled

Before proceeding to the section below, please ensure you have the latest version of Internet Explorer, go to www.microsoft.com.

1.1 SUPPORT SSL ENCRYPTION





4. Select

Advanced

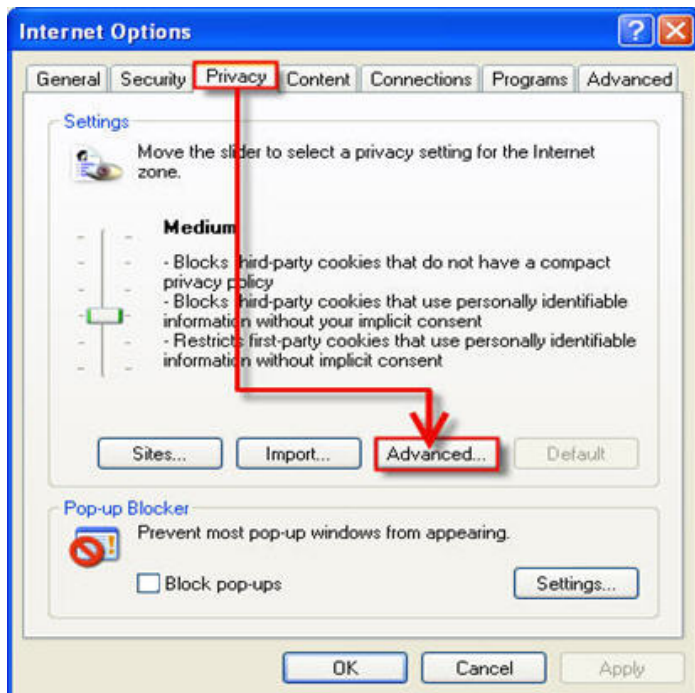
5. Scroll down to

Security

6. Place check marks by:

- **Use SSL 2.0**
- **Use SSL 3.0**

1.2 ACCEPT COOKIES



7. Repeat steps 1-3

8. Select

Privacy

9. Select

Advanced



10. Place a check mark by

Override automatic cookie handling

11. Under First-party Cookies highlight

Accept

12. Under Third-party Cookies highlight

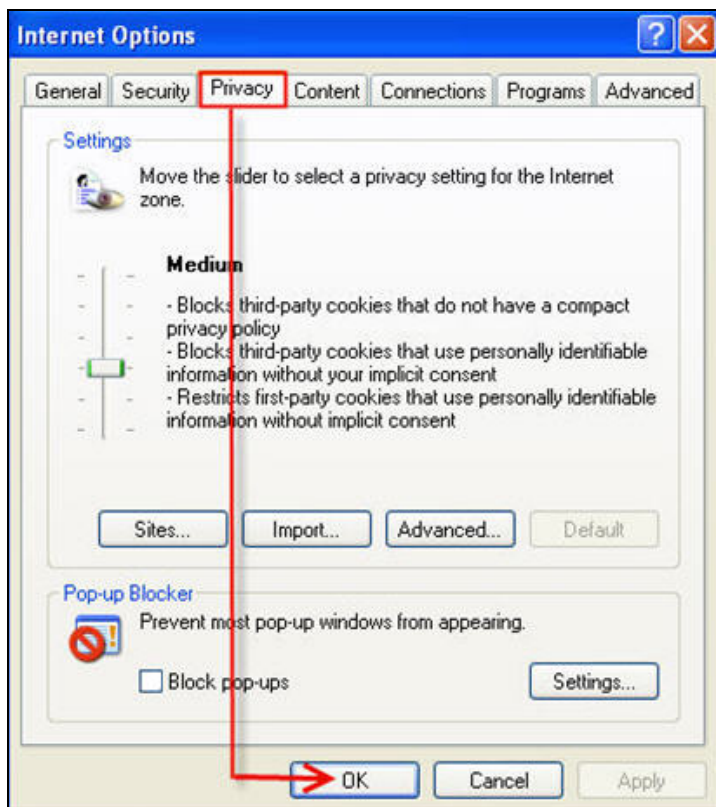
Accept

13. Place a check mark by

Always allow session cookies

14. Select

OK



15. Select

Privacy Tab

16. Select

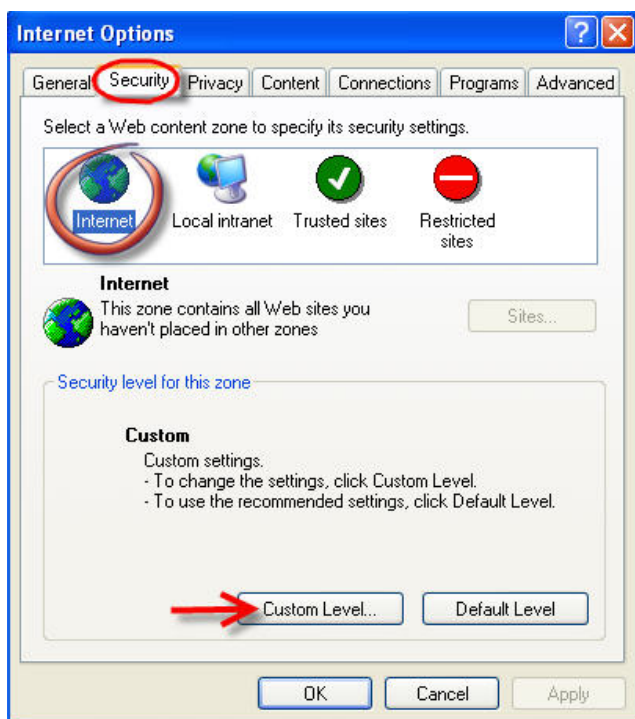
OK

JAVA ENABLED FOR MICROSOFT VM

This section is only for Microsoft VM users.

NOTE: If you have Java Sun, please skip this section and go to Java Enabled For Java Sun on page 26.

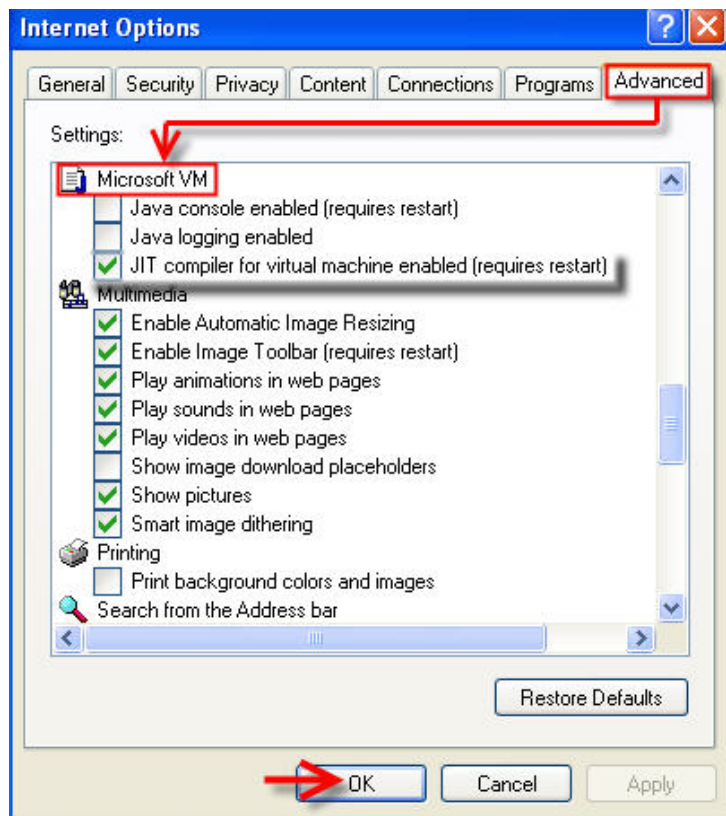
1.3 JAVA ENABLED



1. Repeat steps 1-3 from section 1.1
2. Select
Security
3. Highlight
Internet
4. Select
Custom Level



5. Scroll down until you see
Microsoft VM
6. Under Java permissions select
High safety
7. Select
OK



8. Select

Advanced

9. Scroll down to the **Microsoft VM** section. Be sure to place a check mark by:

JIT compiler for virtual machine enabled (requires restart)

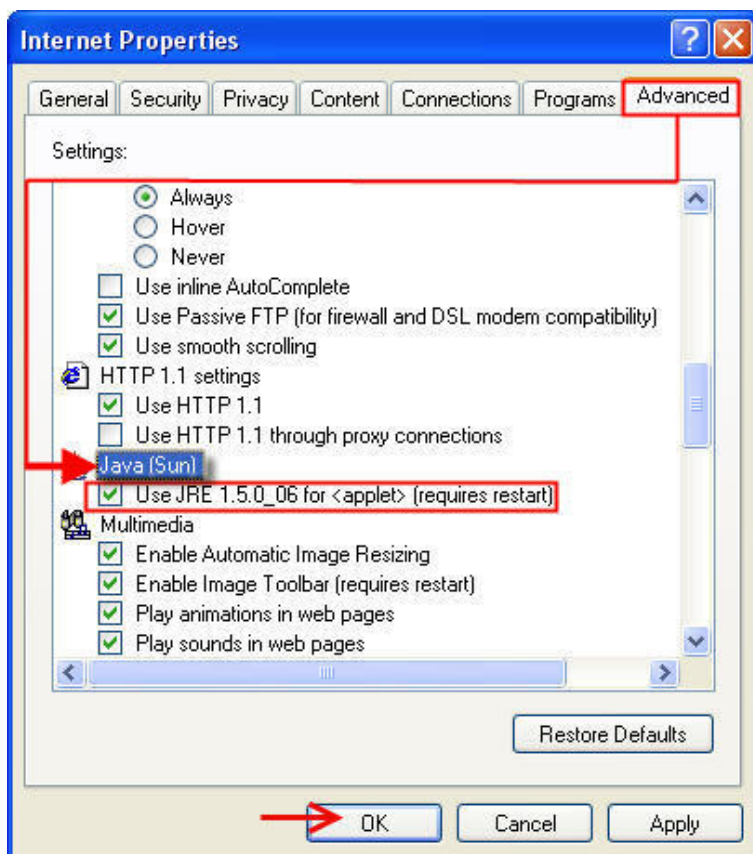
10. Select

OK

JAVA ENABLED FOR JAVA SUN

This section is only for Java Sun users.

NOTE: If you have Microsoft VM, go back to Java Enabled For Microsoft VM on page 24.

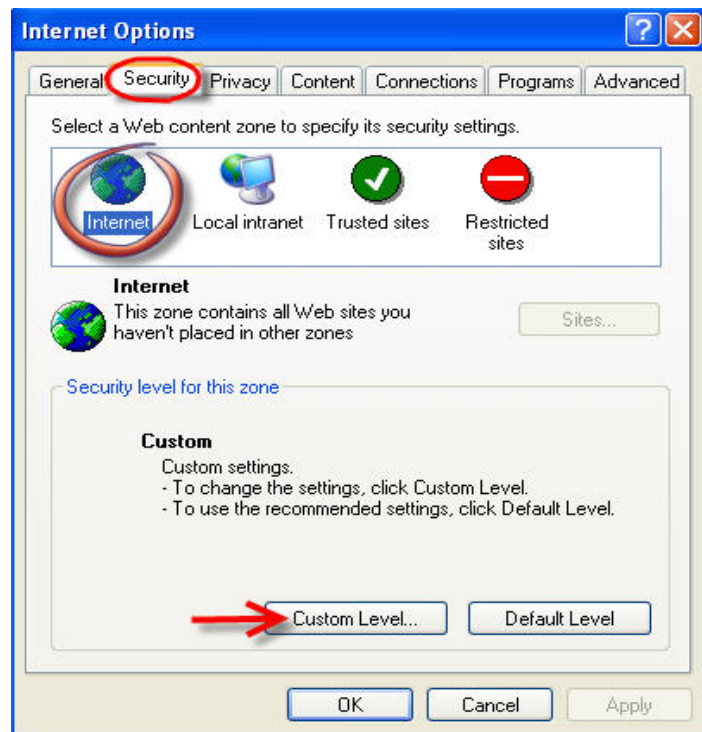


1. Repeat steps 1-3 from section 1.1
2. Select
Advanced
3. Scroll down to
Java (Sun)
4. Place a check mark by
Use JRE
5. Select
OK

NOTE: If any of the settings changed a restart is **Required**, reboot your PC. If neither **Microsoft VM** nor **Java Sun** is found, you need to install Java. If you do not have the latest version of Java go to www.java.com, select **Java Software Free Download** and follow the on-screen instructions for installing Java. Then repeat **Section 1.3 Java Enabled** on page 24.

JAVASCRIPT ENABLED

1.4 JAVASCRIPT ENABLED



1. Repeat steps 1-3 from section 1.1

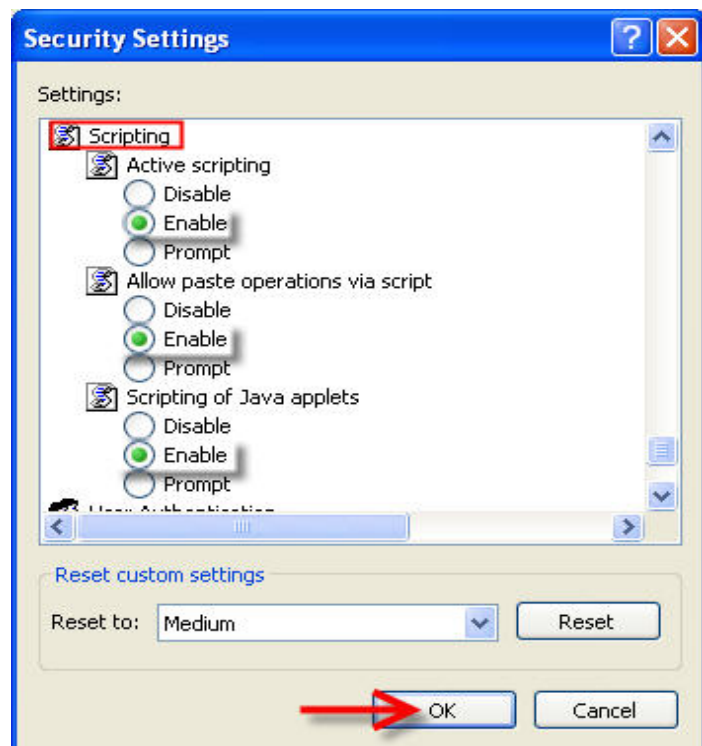
Security

2. Highlight

Internet

3. Select

Custom Level



4. Scroll down to

Scripting

5. Under Active scripting, highlight

Enable

6. Under Allow Paste operations via script, highlight

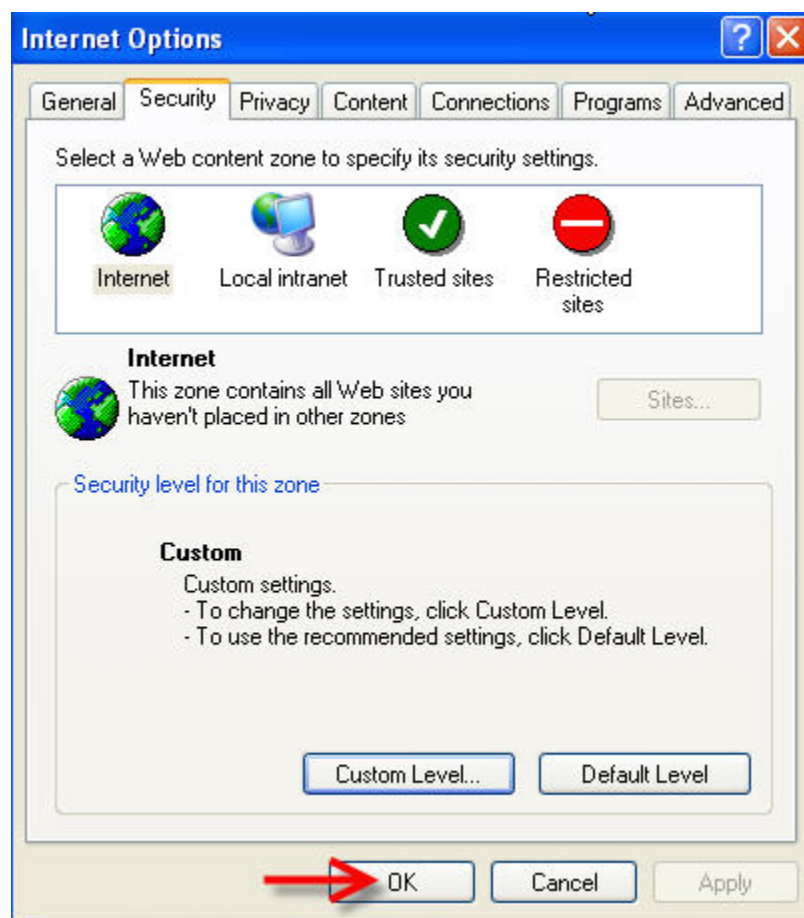
Enable

7. Under Scripting of Java applets, highlight

Enable

8. To close the Security Settings window select

OK



9. To close Internet Options window, select

OK

NOTE: If you are still unable to get your Magtek scanner to work properly, contact SPS Technical Support at 1.888.313.7842.