

iLaunch

Intermec Technologies Corporation

Worldwide Headquarters 6001 36th Ave.W. Everett, WA 98203 U.S.A.

www.intermec.com

Cedar Rapids Technical Communications 550 Second Street SE Cedar Rapids, IA 52401 U.S.A.

The information contained herein is provided solely for the purpose of allowing customers to operate and service Intermec-manufactured equipment and is not to be released, reproduced, or used for any other purpose without written permission of Intermec Technologies Corporation.

Information and specifications contained in this document are subject to change without prior notice and do not represent a commitment on the part of Intermec Technologies Corporation.

© 2003-2006 by Intermec Technologies Corporation. All rights reserved.

The word Intermec, the Intermec logo, Norand, ArciTech, Beverage Routebook, CrossBar, dcBrowser, Duratherm, EasyADC, EasyCoder, EasySet, Fingerprint, i-gistics, INCA (under license), Intellitag, Intellitag Gen2, JANUS, LabelShop, MobileLAN, Picolink, Ready-to-Work, RoutePower, Sabre, ScanPlus, ShopScan, Smart Mobile Computing, TE 2000, Trakker Antares, and Vista Powered are either trademarks or registered trademarks of Intermec Technologies Corporation.

There are U.S. and foreign patents as well as U.S. and foreign patent applications pending.

Microsoft, Windows, and the Windows logo are registered trademarks of Microsoft Corporation in the United States and/or other countries.

Bluetooth is a trademark of Bluetooth SIG, Inc., U.S.A.

Document Change Record

This page records changes to this document. The document was originally released as Revision A.

Revision Letter	Date	Description of Change
В	02/2004	Added information that pertains to the CK30 Handheld Computer.
С	01/2006	Updated for software version 1.15, updated CK30 instructions based on changes to its System Main Menu. Added information for CK60, CN2, CN30 terminals.
D	04/2006	Updated for software version 1.16, updated to correct two bugs.
Е	05/2006	Updated for software version 1.17, updated to correct one bug.
F	10/2006	Updated for software version 1.18, Removed references to Pocket PC 2002 and 700 Monochrome terminals. Added information for CN3 and CV30 terminals.
G	11/2006	Updated for software version 1.19 with two corrections.

Contents

Before You Begin vii Safety Information vii Global Services and Support vii Who Should Read This Manual viii Related Documents viii
iLaunch Documentation 1
iLaunch Details
Requirements for Running iLaunch
About the INI File2Reserved INI File Values2[Caption]3[exe]3[Bitmaps]3[password]4[ApplicationKeys]4[Disabled if no signal]5[EnforceSingleAppInstance]6[parameters]6[Auto start]6Sample INI File6
Installing iLaunch onto the Desktop7Related Documentation7Installing the CAB Files7Copying the CAB File10
Installing iLaunch onto the Terminal 11
Running iLaunch
Uninstalling iLaunch from the Terminal
Uninstalling iLaunch from the Desktop
TE 2000 Version of iLaunch
Securing the System on a Cold Boot
Evaluation Version of iLaunch
iLaunch Limitations and Restrictions
Known Issues 15
Troubleshooting

Contacting Customer Support
Application Updates
Version (1.19)
Version (1.18)
Version (1.17)
Version (1.16)
Version (1.15)
Version (1.09) 17
Version (1.07)
Version (1.05B)
Version (1.05A)
Version (1.01D)
Version (1.01C)
Version (1.01B)
Version (1.01) 19

Before You Begin

This section provides you with safety information, technical support information, and sources for additional product information.

Safety Information

This section explains how to identify and understand notes that are in this document.



Note: Notes either provide extra information about a topic or contain special instructions for handling a particular condition or set of circumstances.

Global Services and Support

Warranty Information

To understand the warranty for your Intermec product, visit the Intermec web site at www.intermec.com and click Service & Support. The Intermec Global Sales & Service page appears. From the Service & Support menu, move your pointer over Support, and then click Warranty.

Disclaimer of warranties: The sample code included in this document is presented for reference only. The code does not necessarily represent complete, tested programs. The code is provided "as is with all faults." All warranties are expressly disclaimed, including the implied warranties of merchantability and fitness for a particular purpose.

Web Support

Visit the Intermec web site at www.intermec.com to download our current manuals (in PDF). To order printed versions of the Intermec manuals, contact your local Intermec representative or distributor.

Visit the Intermec technical knowledge base (Knowledge Central) at **intermec.custhelp.com** to review technical information or to request technical support for your Intermec product.

Telephone Support

These services are available from Intermec Technologies Corporation.

Service	Description	In the U.S.A. and Canada, call 1-800- 755-5505 and choose this option
Order Intermec products	Place an order.Ask about an existing order.	1 and then choose 2
Order Intermec media	Order printer labels and ribbons.	1 and then choose 1

Service	Description	In the U.S.A. and Canada, call 1-800- 755-5505 and choose this option
Order spare parts	Order spare parts	1 or 2 and then choose 4
Technical Support	Talk to technical support about your Intermec product.	2 and then choose 2
Service	 Get a return authorization number for authorized ser- vice center repair. Request an on-site repair technician. 	2 and then choose 1
Service contracts	 Ask about an existing contract. Renew a contract. Inquire about repair billing or other service invoicing questions. 	1 or 2 and then choose 3

Outside the U.S.A. and Canada, contact your local Intermec representative. To search for your local representative, from the Intermec web site, click **Contact**.

Who Should Read This Manual

This manual is written for the person who is responsible for installing, configuring, and maintaining the iLaunch application.

This document provides you with information about the features of the iLaunch application, and how to install, configure, operate, maintain, and troubleshoot it.

Before you work with the iLaunch application, you should be familiar with your network and general networking terms, such as IP address.

Related Documents

This contains a list of related Intermec documents and their part numbers.

Document Title	Part Number
700 Color Series Mobile Computer Quick Start Guide	962-054-053
700 Color Series Mobile Computer User's Manual	961-054-031
CK30 Handheld Computer User's Manual	073528
CK31 Handheld Computer User's Manual	075207
CK60 Handheld Computer Quick Start Guide	962-054-115
CK60 Handheld Computer with Windows CE User's Manual	961-054-037

Document Title	Part Number
CK60 Handheld Computer with Windows Mobile User's Manual	935-000-001
CN2A Mobile Computer User's Manual	075464
CN2B Mobile Computer Quick Start Guide	930-103-001
CN2B Mobile Computer User's Manual	935-001-002
CN3 Mobile Computer Quick Start Guide	930-151-001
CN3 Mobile Computer User's Manual	935-003-001
CN30 Mobile Computer User's Manual	961-054-039
CV30 Mobile Computer Quick Start Guide	930-165-002
CV30 Mobile Computer User's Manual	935-005-001
CV60 Vehicle Mount Computer User's Guide	961-054-033
Intermec Application Server User's Guide	072242
TE 2000 Terminal Emulation Programmer's Guide	977-055-008

The Intermec web site at **www.intermec.com** contains our documents (as PDF files) that you can download for free.

To download documents

- **1** Visit the Intermec web site at **www.intermec.com**.
- 2 Click Service & Support > Manuals.
- **3** In the Select a Product field, choose the product whose documentation you want to download.

To order printed versions of the Intermec manuals, contact your local Intermec representative or distributor.

Before You Begin

iLaunch Documentation

The goal of the iLaunch application is to launch other applications without having to work in the standard Windows Mobile or Windows CE interface. This is beneficial when you have more than one application that a user may need to access, but the users need to keep from accessing the entire operating system.

iLaunch attempts to provide lock-down functionality but no application can ever be completely locked-down on a Windows CE-based device. Windows CE platforms are multi-tasking environments where any number of applications can be active simultaneously. In addition, Windows CE provides numerous services and utilities that launch and remain active when a warm-boot or cold-boot is performed. These services and utilities may, at any time, use pop-up menus, or windows that force their way on top of any active application.

For example, when you Microsoft's Connection Manager application, the Network Status pop-up messages may display at any time and are beyond the scope of iLaunch to control these messages.

iLaunch Details

iLaunch is an application for 700 Color, CK30, CK31, CK60, CN2A, CN2B, CN3, CN30, CV30, and CV60 terminals that launch other applications via a configurable set of buttons. The label on each button and the application the button launches is configurable via an INI file. Up to ten programs can appear in the terminal.

In addition to providing a common interface for users to access the various applications made available to them, iLaunch also locks down all applications that start while iLaunch is running. If Pocket Internet Explorer (PIE) is one of the programs in the INI file, when the user runs that program, PIE comes up and looks as it normally does but the user cannot bring up the Start menu when tapping in the upper-left corner of the screen. When the user taps the X in the upper-right corner, PIE is minimized and the user is back at the iLaunch screen.

A "Locked-Down" application is an application that prevents the user from leaving the application or from accessing the normal Navigation bar, Command bar, and Start Menu in PIE. Locked-down applications are extremely important to prevent end users from getting "lost" in other parts of the system, in preventing users from changing system settings, and to ensure that users are as productive as possible.

Requirements for Running iLaunch

- iLaunch runs on Intermec 730, 740, 741, 750, 751, 760, 761, CK30, CK31, CK60, CN2A, CN2B, CN3, CN30, CV30, CV60 terminals.
- A nonvolatile form of storage must be available. This can include Compact Flash (CF) storage cards, SecureDigital (SD) storage cards, Flash file storage, mini-SD, and disk on chip (DOC).
- iLaunch requires about 350 Kb of free storage space and about 350 Kb of execution memory space.

About the INI File

The INI file associated with iLaunch controls many of the features of iLaunch. The text that is placed on the buttons, the applications that each button launches, a password to exit, the application key mappings, and a custom bitmap to display are all controlled. The INI file can contain semicolons to act as comments in the INI files. You *must* save the INI file as an ASCII file, if you edit the INI file be sure to save it as a standard ASCII file, *not* as a Unicode file. Place the INI file in the same folder as the SHELL.EXE or ILAUNCH.EXE application, which is found in the "\iLaunch" or "\Launcher" subdirectory after the CAB file is extracted. Section and key names in the INI file are case-sensitive.

Reserved INI File Values

You can use the "CURRENTCARD" literal instead of an explicit path in the INI file to indicate that the iLaunch application should use its internal search path to determine which storage options are available and replace CURRENTCARD with the path to that storage option. This allows the use of the same INI file on multiple devices with different storage options. The order of preference for non-volatile storage is the following:

- sdmmc disk
- Sd Card
- storage card
- flash file store
- CK_FFS
- DiskOnChip
- Program Files

For example if Button1 of the [exe] section contains:

\CURRENTCARD\testapp\app1.exe

when iLaunch encounters the CURRENTCARD tag, it finds the first available directory from the search path and replaces CURRENTCARD with that path. On a 700 Color terminal with a Secure Digital card installed, the first path found would be "\SDMMC Disk," thus Button1 of the [exe] section points to "\SDMMC Disk\testapp\app1.exe."



Note: Although CURRENTCARD is available for use, it is best when possible, to explicitly specify the path and file name to prevent issues that might occur if the storage options on the device change.

[**C**a

The [Caption] section contains the text that is displayed on each button when the iLaunch starts up. You can specify up to five buttons on CK30 terminals and up to ten on all other terminals. If text is not specified for a button, the button does not display in iLaunch. If Button1 is the only button with a caption, then the application associated with that button is automatically launched immediately after iLaunch starts. See "[Auto start]" on page 6 for more details.
Captions must be specified in sequential order. For example, if you only have to display two buttons, you must use buttons 1 and 2. To display five buttons, use buttons 1-5 under the caption section.
To use this section, add this line: $ButtonX=text$ where "X" is the button on the display to modify and "text" is what appears on the button. "1–10" are the only valid buttons
The [exe] section associates each button with a particular application. You must specify the full path and file name. You can launch programs other than EXEs, such as Visual Basic applications, WAV files, MP3 files, Word documents, and other files that have a file association in the system. See "[Auto start]" on page 6 for more details.
If only one application is in the INI file to launch from the menu, the application specified after Button1 is automatically launched each time iLaunch starts.
To use this section, add a line in the form:
ButtonX=path\app.ext
where "X" is the button number on the display to launch the application located at "path\app.ext." " $1-10$ " are the only valid buttons. Use the full path to the application, relative paths are not valid.
The [Bitmaps] section points to a specific bitmap that is displayed at the top of the iLaunch menu. You must include the full path and file name of the bitmap in this section. If no bitmap is required, then the field is left blank. Only bitmaps are displayed. The bitmap should be 280 x 80 in 16 colors for the CV60 terminal and 140 x 40 in 16 colors for all other terminals. The size does not have to be exact, it always centers smaller images and larger images are automatically cropped.

To use this section, add a line in the form:

TopLogo=path\file.bmp

where "path" is the full path to the file and "file.bmp" is the file to display. CK30 terminals cannot display the bitmap due to screen size limitations.

[password]

This contains the password required to exit the application. Leaving this section blank or leaving the value after the key name blank results in no required password to exit. The maximum size of the password allowed is six characters, entering a password longer than six characters results in truncating the password after the sixth character. All alphanumeric values are valid in the password but make sure a qualified user can enter the password through the keypad or SIP keyboard available on the terminal.



Note: The SIP keyboard is not available on CK30 terminals.

To use this section, add a line in the form:

pwd=paswrd

where "paswrd" is the password required to exit the iLaunch application.



Note: When the iLaunch application initially starts up, the password is read, encrypted, written back to the INI file in the cpwd key, then the pwd key is deleted to prevent a user from getting the password from the INI file. This does not change the password required to exit iLaunch. To change the password, delete the cpwd setting and add a new pwd setting with the desired password.

[ApplicationKeys]



Note: Application keys are only available on Windows Mobile terminals.



Beginning with the CN3 and CV30 terminals, the application keys were removed from their respective keypads. The iLaunch application, when installed on either the CN3 or the CV30, automatically sets up the **[Windows]** key as an application key for these terminals.

This parameter allows the INI file to map which applications to launch via the application keys on the physical keypad. In early versions of iLaunch, the application keys were blocked completely or in the case of the TE 2000 version were mapped to specific applications. If no ApplicationKeys are specified, the non-TE 2000 version sets all application keys to launch iLaunch. In the TE 2000 version, the non-TE 2000 version sets Application Key 1 as TE 2000, Application Key 2 as iBrowse, Application Key 3 and Application Key 4 as iLaunch.



Note: If the default mappings are changed, it is up to the INI file to ensure any overwritten default is accessible in other ways if needed, including iLaunch. Always map at least one Application key to iLaunch or the user cannot get back to iLaunch to launch another application.

To use this section, add a line in the form:

AppKeyXExe=[ButtonY | LAUNCHER | path\app.exe]

where "X" in "AppKeyXExe" is the number of the application key on the physical keypad to reassign.

You can choose one of three parameters for this application key. "ButtonY" indicates to launch the application associated with ButtonY from the [exe] section. "LAUNCHER" is a reserved word that causes the associated application key to bring up iLaunch. Use "Path\app.ext" to launch an application not assigned to an **iLaunch Screen** button. "1–4" are the only valid AppKey buttons that can be remapped.

- Application keys on the 700 Color, CN2B are mapped to Gold [.] for Application Key 1, Gold [4] for Application Key 2, Gold [5] for Application Key 3, and Gold [6] for Application Key 4.
- Once iLaunch is installed on CN3, CV30 terminals running Windows Mobile 5.0, if the current keypad has a **[Windows]** key, it is remapped to Application Key 1.
- Application keys on CK60, CN30 terminals running Windows Mobile 5.0 are mapped to Gold [Windows] for Application Key 1, Gold [smiley] for Application Key 2, Gold [frown] for Application Key 3, and Gold [ok] for Application Key 4.



These soft keys are at the top of the keypad on the CK60 terminal.

[Disabled if no signal]

This disables specific buttons if no signal is available from the WLAN radio. When the terminal is without signal from the WLAN radio, the buttons specified are grayed out and the user does not get to start those options. When the terminal regains signal to the WLAN radio, the buttons specified are enabled. This prevents users from starting an application that requires a network connection when no network connection is present.

To use this section, add a line in the form:

ButtonX=true | false

where "X" is the button number on the display that is disabled based on signal. Valid values are TRUE and FALSE (default).

[EnforceSingleAppInstance]

	This prevents an application from starting up multiple instances of itself. Most Windows Mobile applications are written to allow just one instance of the application to start. Future attempts to start the application result in bringing the original instance into focus. However, under Windows CE operating systems, selecting to start an application multiple times starts multiple instances.
	To use this section, add a line in the form:
	ButtonX=true false
	where "X" is the button number on the display on which the single instance is enforced. Valid values are TRUE and FALSE (default).
[parameters]	
-	This specifies optional parameters that may be useful when launching an application. For example if the /f parameter can start APP1.EXE to run in full screen mode, then the /f parameter would be specified here.
	To use this section, add a line in the form:
	ButtonX=/parm1 /parm2
	where "X" is the button number on the display to which the parameters are applied. Valid values are dependant on the application launched with these parameters. The default value is no parameters.
[Auto start]	
	This enables or disables the ability to autostart an application when the iLaunch application starts up. This auto start capability is only available when a single application is specified in the [captions] and [exe] sections using the button1 keyname.
	To use this section, add a line in the form:
	Enabled=true false
	Where TRUE indicates the iLaunch application automatically starts the application when iLaunch starts up. FALSE indicates not to start any application. The default is TRUE.
Sample INI File	
; specify the names launched [Caption] Button1=Notes Button2=Calculator Button3=Internet Exp	that will be displayed for each application that can be plorer
; specify the full [[exe]	path and filename to the applications to be launched

```
Button1=\windows\notes.exe
```

Button2=\windows\calc.exe Button3=\windows\iexplore.exe ; specify the parameters to pass to each applications [parameters] Button3=www.intermec.com ; specify whether or not to disable a button when there is no WLAN signal [Disabled if no signal] Button1=false Button3=true ; Only allow a single instance of the application or not [EnforceSingleAppInstance] Button2=true ; password to exit [PassWord] pwd=123456 ; The bitmap to display above the buttons [Bitmaps] TopLogo=\windows\launcher\intermecblue.bmp ; Specify if a single application should start when iLaunch starts [Auto start] Enabled=true ; Remap the application keys to specific applications [ApplicationKeys] AppKey1Exe=Button3 AppKey2Exe=Button1 AppKey3Exe=LAUNCHER AppKey4Exe=LAUNCHER

Installing iLaunch onto the Desktop

These instructions explain how to install the iLaunch application onto your Intermec terminal and configure the terminal for maximum performance. *Note that these instructions are alternative to installing this application via installation CD.*

Related Documentation

For help with installing a storage media card, or a battery pack, or to learn about booting the terminal, see its documentation. See "Related Documents" on page viii for part numbers.

Installing the CAB Files

Your license allows you to install a number of copies of the iLaunch application. Have the quantity on hand before you initiate the installation. 1 Enter the License Quantity (number) of licenses you had purchased for this application, then click Continue.

Launch License Information	×
License Information Please enter the licensing information from the license certificate.	
License Information	
Part Number: 235-107-001	
License Quantity: 1	
Cancel	

2 Select Yes, I accept this agreement to accept the conditions of this license agreement, then click Continue to load all of the available CAB files and related information into the default "C:\Program Files\Intermec\iLaunch" folder on your desktop.

INTERMEC TECHNOLOGIES	CORPORATION SOFTWARE PRODUCT LICENSE	-
Important: Please carefully rea before opening the media env Technologies Corporation Soft condition that the Customer ag If you do not agree to the term the unopened package for a fi MEDIA ENVELOPE INDICATE CONDITIONS.	d the License d the License leope. The right to use this Intermec ware Product is sold only on the grees to the following License. s of the License, you may return ull refund. HOWEVER, OPENING THE ES YOUR ACCEPTANCE OF THESE TERMS AND	-
LICENSE AGREEMENT		
In return for the payment of the product, Customer receives fro (INTERMEC) a license to use terms and conditions:	e one-time fee for this software m Intermec Technologies Corporation the product subject to the following	
 The License Agreement is functional terms of the section of the supported intermed in terms 	or 1 copies of iLaunch to tec devices	
•		Þ

3 Select what files to install, then click Install to continue.

Launch Insta	llation	×
	iLaunch 1.18 9/25/2006	
۲ ¹	CAB Files to Install	
	✓ Install Selected Packages into SmartSystems Console	
	✓ 700 Color Series	
	CK30 and CK31	
	✓ CV60 (Windows CE)	
	✓ CK60 (Windows CE and Windows Mobile 2005)	
	✓ CN30 (Windows Mobile 2005)	
	CN2A	
	CN2B	
	CN3 and CV30	
	Exit Install Install	

4 Click Finish to complete the installation.

iLaunch Installation		×
	Installation Completed! iLaunch has been successfully installed. For updated information on iLaunch visit Intermec's Knowledge Central: intermec.custhelp.com	
	< Back Einish Cance	



- 5 Wait for the default "C:\Documents and Settings\All Users\Start Menu\Programs\Intermec\iLaunch" folder to open. Double-click the Explore iLaunch Folders shortcut to access the CAB files.
- **6** Open the applicable folder, then copy the appropriate CAB file.

Below is a table defining what CAB files apply to which operating system on a given Intermec terminal. Contact your Intermec representative for more information about any of these files.



Note: The TEiLaunch .CAB file is only available for 700 Color terminals using the Windows Mobile operating system.

	Windows Mobile 2003	Windows Mobile 5.0	Windows CE 4.2	Windows CE 5.0
700	iLaunch.cab teiLaunch.CAB			
CK30, CK31			iLaunch30.CAB	
CK60		iLaunch_WM2005.cab		iLaunch_WinCE.CAB
CN2A			iLaunch.CAB	
CN2B	iLaunch.cab			
CN3, CN30, CV30		iLaunch_WM2005.cab		
CV60			iLaunch.CAB	

Copying the CAB File



Note: When "NVStorage" is mentioned, it references the folder name of the card you installed in the device. This is "SDMMC Disk" or "Storage Card," "SD Card," "Flash File Store," "CK_FFS," or other nonvolatile storage option.

Copy the applicable ILAUNCH.CAB file to the "\NVStorage\CabFiles" folder on the device. Warm-boot the device to automatically install the file.

If the "CabFiles" folder is not already on the "NVStorage" it may be necessary to create a "CabFiles" folder and install the "2577" directory that allows for automatic CAB file extraction from the appropriate tools CD.

Do not tap on the CAB file via File Explorer to extract the file. This deletes the CAB file. Extracting the CAB file automatically on a reboot leaves the CAB file on the terminal for future extractions in the event of a cold-boot.

The default INI file installed by the CAB file is a sample file. You need to change this INI file to include your preferred applications to launch, password, and other settings as applicable.

To update the INI file, copy the default INI file from the terminal to your desktop, either with Microsoft ActiveSync or by removing the storage card from the terminal and putting it into a card reader. In either case, the INI file is in the "NVStorage\ILaunch" or "NVStorage\Launcher" directory.

Installing iLaunch onto the Terminal

Refer to the terminal's user guide or user manual for information on installing CAB files. See "Related Documents" on page viii for part numbers.

Running iLaunch



iLaunch automatically starts up on a warm- or cold-boot if the CAB file was installed properly.

Intermec Launcher Select Start > Intermec Launcher or select Start > Programs > the Intermec Launcher icon.

On Windows CE, double-tap the Intermec Launcher icon on the desktop or select Start > Programs > iLaunch.

This screen now contains indicators for battery status and signal strength. Also the serial number is displayed on this screen for all terminals except the CK30 terminal.

Intermec
Intermec TE2000
IBrowse
S/N 01890600109
🔉 🚺 Status

Tap **Status** to view the status screen, which contains IP status, MAC address of the WLAN radio, authentication type, and the serial number of the terminal. Note the CV60, CN2B terminal application does not display any battery status as it does not use a battery.

100%			
Intermec iLaunch 01.18 COPYRIGHT 2002- 2006 INTERMEC TECHNOLOGIES CORPORATION.			
IP: DHCP Enabled 0.0.0.0			
MAC Address: 00-0b-6b-1a-db-99			
Authentication: Open			
S/N: 01890600109			
<u>B</u> ack E <u>x</u> it			



Tap **Exit** to go to the Exit screen, then enter your six-character password to close the iLaunch application. Tap **Keyboard** for an onscreen keyboard or Soft Input Panel (SIP) keyboard with which to enter your password.



For keypad navigation on CK30 terminals, because the CK30 has no touch screen, the iLaunch application displays numbers next to each button to navigate to the specified application. You can also use the **Tab** and **Enter** keys to select any button. From the Status and Exit screens, press **Esc** to go to the previous screen and press **Enter** to go to the next screen.

Windows Mobile terminals can use the application keys to switch between applications. Devices with the Windows CE operating system do not have this option. On the CV60 terminal, use the taskbar at the bottom of the screen to move between applications without closing any. On terminals with smaller screen sizes and the Windows CE operating system, use the small icon in the lower right to pop-up a list of running applications and switch between them.



٩.

General Caution:

Although the iLaunch application attempts to block a user from accessing other parts of the system, other applications launched from within iLaunch could allow the user to access other parts of the system. One known example of this would be Internet Explorer. If Internet Explorer is left as an option for a user, a savvy user could access the file system through Internet Explorer. To prevent this, examine all applications launched from within iLaunch to determine what type of system security risk each would represent.

Error Messages

When a problem occurs trying to launch an application, the full text of the error is displayed. On the CV60 terminal, the full text is not displayed, instead its error number is displayed. See details of the specific error number at http://msdn.microsoft.com/library/default.asp?url=/library/en-us/wcesdk40/html/cerefsystemerrors-numericalorder.asp

Uninstalling iLaunch from the Terminal

No automatic uninstallation is available at this time. To uninstall iLaunch, remove the following files:

```
\windows\start menu\Intermec launcher.lnk
\windows\startup\Intermec launcher.lnk
\windows\launcher\*.*
NVStorage\launcher\*.*
NVStorage\Cabfiles\launcher*.cab
Rename the file
Autorunold.dat autorun.dat
```

where *NVStorage* is the folder name of the card you have installed in the device. This is usually "SDMMC Disk," "SD Card," or "Storage Card."

Uninstalling iLaunch from the Desktop

1 From the desktop, access the "C:\Program Files\Intermec\iLaunch" folder.



- 2 Double-click the Explore iLaunch Folders shortcut.
- 3 Double-click the UninstalliLaunch.exe executable.

iLaunch Folders



5 Click **Finish** to complete the uninstallation of the iLaunch application.



TE 2000 Version of iLaunch

The Terminal Emulation (TE) 2000 version of the iLaunch application is slightly modified from the regular version. The TE 2000 version comes with an INI file that already points to the locked-down applications iBrowse and TE 2000. The TE 2000 version also sets the application keys: Application Key 1 starts TE 2000, Application Key 2 starts iBrowse, Application Keys 3 and 4 start iLaunch. You can add two other locked-down applications to the MENU.INI file this version of iLaunch uses.

Securing the System on a Cold Boot

The Launcher CAB file include a utility called SYSSTART.EXE. The SysStart utility, when added to the AUTORUN.DAT file, runs on startup to prevent the user from accessing the system during startup and CAB file extraction. SysStart is not added to the AUTORUN.DAT file. To use SysStart, perform these steps:



Note: "NVStorage" refers to the type of nonvolatile storage in terminals.

1Copy the Launcher CAB file to the 700 Color Computer and extract it.

- **2** Rename "\NVStorage\2577\autorun.dat" to "\NVStorage\2577\autorunOLD.dat".
- **3** Copy "\NVStorage\launcher\autorunXX.dat" to "\NVStorage\2577" where the *XX* is "CF" if your storage card is a CompactFlash card or "SD" if your storage card is a Secure Digital card.
- **4** Rename the "\NVStorage\2577\autorunXX.dat" to "\NVStorage\2577\autorun.dat".



Caution: Although SysStart attempts to block users from other parts of the system, other applications launched at system startup may force themselves on top. This eliminates SysStart's ability to lock down the terminal. This situation is beyond SysStart's capability to correct.

Evaluation Version of iLaunch

Evaluation versions of iLaunch are available. These versions allow some restricted use. The iLaunch application performs normally with the exception that it occasionally brings up a reminder that the version of iLaunch used is only an evaluation version. You have 60 days from the date you first start using the evaluation version of iLaunch to either purchase a license or quit using iLaunch. If you decide to purchase licenses for iLaunch, contact your Intermec representative. A license is required for each device that runs iLaunch. The part number to purchase a single license is 235-107-001.

iLaunch Limitations and Restrictions

- iLaunch does *not* save the registry to a storage device.
- iLaunch runs on Intermec 730, 740, 741, 750, 751, 760, 761, CK30, CK31, CK60, CN2A, CN2B, CN3, CN30, CV30, CV60 terminals.

Known Issues

_	_
	_
ю.	_

If owner information is set to display on startup, the owner information shows up on top of the iLaunch application. To disable the owner informa-Owner tion, tap **Start** > **Settings**, then tap **Owner Information**. Uncheck (or clear) Information Show information when device is turned on.

🎊 Settings			Ÿ_X ≼ € 1:	02	•
Owner Info	matio	n			
Name:					
Company:					
Address:					
Telephone:					┥
E an aile					-
C-IIIdii;					
	🗆 Sho devi	w inforr ice is tu	mation whe rned on	en	
Identification	Notes				
				E	ਕ ▲

Troubleshooting

No buttons show when iLaunch starts.

- Make sure a valid Menu.INI file is in the same directory where the iLaunch files were installed. Look in the "\NVStorage\Launcher," "\NVStorage\Launcher," or "\Program Files\Launcher"paths.
- Is iLaunch running on a supported terminal? The application only displays the menu if it is running on either of these terminals.
- The section names and labels in the INI file are case-sensitive. Make sure that you are using the correct case.

After copying the CAB file to the "\CabFiles" folder on my storage card, iLaunch does not automatically start.

- Warm-boot the 700 Color Computer again. Early versions of the 700 Color software did not properly warm-boot a device after installing a CAB file.
- To automatically extract files in the "\CabFiles" folder, other supporting files must be on the storage card. Contact Customer Support to ensure your 700 Color Computer is properly set up to autoextract CAB files.

iLaunch reports no network connection even though the network settings are done correctly

On Windows Mobile 5.0 terminals, if the terminal is connected to Active-Sync, the ActiveSync application disables all network connections as a security measure.

The screen doesn't rotate when the button is pressed to rotate it.

The iLaunch application does not support screen rotation at this time.

Contacting Customer Support

When contacting Customer Support, provide the following information:

- Model number of the terminal.
- Version number of the operating system.
- Version number of the iLaunch software.

See "Global Services and Support" on page vii for information on contacting your Intermec representative.

Application Updates

Version (1.19)

Corrected:

- "Space Contrained" keyboard for the CV30 did not have the Windows Key correctly mapped to function as an application key (application key 1).
- Installation for version 1.18 did not create a folder for the CN3 and CV30 installation cabinet files.

Version (1.18)

Added:

• Support for CN3, CV30 Windows Mobile 2005 terminals

Version (1.17)

Fixed:

• Disabled hotkey access to the Phone Dialer program available on Intermec devices loaded with the Phone Edition operating system. Once iLaunch disables the hotkey, the hotkey remains disabled when iLaunch exits. You may enable the hotkey again by cold-booting the device.

Version (1.16)

Fixed:

- iLaunch locks up when started on devices not using 802.11 radios
- iLaunch for TE 2000 was not activating the application keys on 700 Color (730, 740, 741, 750, 751, 760, 761) terminals.

Version (1.15)

Added:

- Support for CK60, CN30 terminals running Windows Mobile 2005.
- Support for CK30, CK31, CK60, CN30, CN2A, CV60
- Support for showing battery level, signal strength, other system settings
- Encrypted password support
- Support for up to 10 buttons (all devices except CK30s)
- Checks to only enable buttons if radio is connected (set in INI file)
- Support for installing iLaunch on devices without a SD or CF card
- [parameters] of INI allows parameters when launching applications
- [Disabled if no signal] section of INI disables buttons if no signal
- [Auto start] section of INI allows for autostart of first menu item if there is only one menu item
- [EnforceSingleAppInstance] section of INI allows for only one copy of an application to run at a time
- Added a Keyboard button to the Exit dialog to allow the user to key in a password (not available on the CK30)

Fixed:

- INI file was kept open after first read and so could not be updated while iLaunch was running
- Error reporting, when iLaunch attempted to exec an application but the application was not at the path specified it would report "iLaunch Error" "operation completed successfully"
- Password longer than six characters was allowed in the INI and not truncated leaving users unable to exit

Version (1.09)

Fixes

• When launching another application, the command bar was partially erased by iLaunch in some instances.

	• Users could still get into the system - open clock, hold action, and tap- hold in clock area, menu comes up for clock/run can run any application in the system.
	• User could get out of system by pressing and holding the Windows key
	• If one application was specified, Launcher did not behave as desired
	• On Windows Mobile 2003, the bitmap at the top of the screen was not displayed correctly.
	 Added: Applications other than EXEs can now launch, including file extensions with associations in the system, such as specifying ABC.PSW to launch Pocket Word with ABC as the current document. This also means that Visual Basic applications can launch directly from iLaunch
	• Error messages return text instead of just the error number
	Updated to run on Windows Mobile 2003
Version (1.07)	
	 Fixed Windows Mobile 2003 was not rendering the blank area around the bitmap correctly (fixed to paint the area drawn around the bitmap white)
	 Applications keys that were set to none or other literals in < > now get remapped correctly
	AddedApplication keys can set via INI file
Version (1.05B)	
	• Changed some code that allows iLaunch to disable the Start button when another application has focus
Version (1.05A)	
	• Added code so that iLaunch tries to disable the Start menu for applica- tions that are not locked down
	• Fixed the battery status page so that the timer is destroyed appropriately.
	• Added the SysStart application to the CAB file to help lock down the user interface while CABs are extracted
	• Added AUTORUN files to CAB files to ease the SysStart installation
Version (1.01D)	
	• Now prevents user from exiting if the user were at the main dialog when Enter was tapped

Version (1.01C)	
	• Updated the code to set the application keys appropriately on 700 Color Computers with alphanumeric keyboards
Version (1.01B)	
	• Fixed the Esc key to not allow the user to exit iLaunch
	• Changed the version slightly to display TE 2000 before the version if it is a TE 2000 build
	• Updated the copyright to include 2003
Version (1.01)	
	• Created a separate evaluation version of the application to evaluate for 60 days - during the trial period, reminder messages pop up after iLaunch launches three applications
	Added Copyright information
	Added code to "lock-down" the Exit dialog
	• Added TE 2000-specific features, such as application keys are mapped and enabled
	• Added CURRENTCARD as a special modifier to the EXE path section. If CURRENTCARD is added to the front of the path to an executable in the [exe] section, the application replaces CURRENTCARD with the path of the card from which the iLaunch is running. This uses the same INI file on both CompactFlash and Secure Digital storage cards.



Worldwide Headquarters 6001 36th Avenue West Everett, Washington 98203 U.S.A. tel 425.348.2600 fax 425.355.9551 www.intermec.com

iLaunch User's Guide



P/N 961-055-016G