

Quick Start Guide

1470B Imager

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There are U.S. and foreign patents pending.

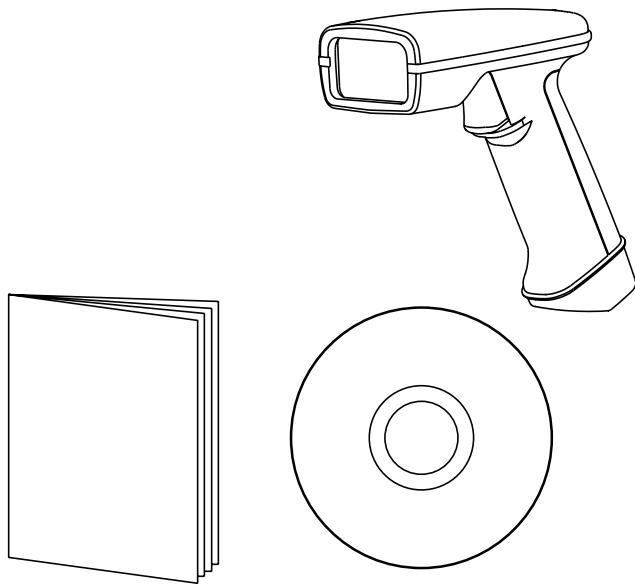
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## Unpacking the Imager

When you remove the imager from its box, save the box and shipping material in case you need to ship or store the imager.



147XU07.eps

### 1470B Imager Shipping Box Contents

The imager shipping box contains:

- 1470B Imager (standard or high density)
- CD with Visual Menu and QuickView
- *1470B Imager Quick Start Guide* (P/N 067055)

You can also order these optional accessories:

- Power supply and power cords
- Battery pack
- Communication cables for a keyboard wedge interface, RS-232 interface, 241X terminal, or 700 Series computer
- Holder or scanner stand
- *1470/1471 Imager User's Manual* (P/N 067054)

## Configuring the Imager

You need to program the imager for your interface before you can transmit bar code data to your computer. You can configure the imager for:

- a keyboard wedge interface. See the next section, “Keyboard Wedge Interface.”
- a serial port (RS-232) interface. RS-232 is the default configuration; however, you still need to program the imager for the RS-232 interface. See “Serial/RS-232 Interface” on page 8.



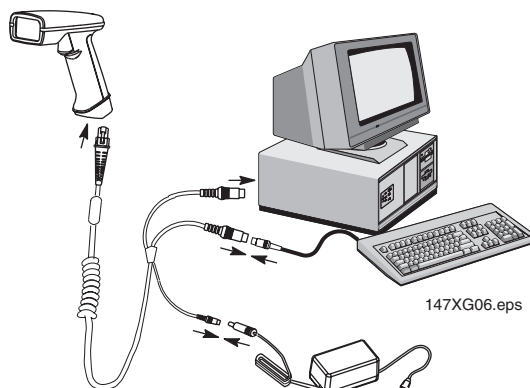
**Note:** The RS-232 interface is only compatible with applications that can retrieve data from the computer’s COM port.

### Keyboard Wedge Interface

- 1 Connect the power supply (4 to 9V) to the keyboard wedge interface cable and plug in the power supply.

Or, charge and install the battery pack in the imager.

The imager beeps twice.



**Keyboard Wedge Interface:** This illustration shows connecting the power supply, but you can also charge and install the battery pack in the imager.

2 Connect the keyboard wedge interface cable to the imager.



**Note:** Do **not** connect the cable to your computer yet.

3 Scan these bar codes in order:

Terminal ID



0



0



3



Save

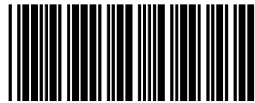


The imager beeps twice during the configuration process.

- 4 Turn off power to the computer.
- 5 Disconnect the keyboard cable from the back of the computer.
- 6 Connect the computer and the keyboard to the keyboard wedge interface cable.
- 7 Turn on power to the computer and wait for it to boot.
- 8 Open a keyboard application, such as Notepad.

- 9 Scan the following test bar code to make sure that the imager works.

Code 39 Test Bar Code



BC321

The imager should beep once, and “BC321” should appear in the keyboard application.

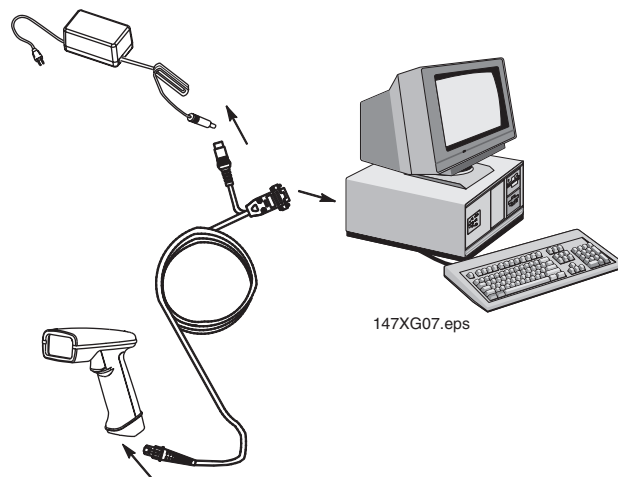
The imager is now connected and ready to communicate with your computer. To program the 1470 for other keyboard wedge interfaces, see “Terminal Interface” in Chapter 3 of the *1470/1471 Imager User’s Manual*.

### Serial/RS-232 Interface

- 1 Connect the power supply (4 to 9V) to the serial interface cable and plug in the power supply.

Or, charge and install the battery pack in the imager.

The imager beeps twice.



**Serial/RS-232 Interface:** This illustration shows connecting the power supply, but you can also charge and install the battery pack in the imager.



2 Connect the serial interface cable to the imager.



**Note:** Do **not** connect the cable to your computer yet.

3 Scan these bar codes in order:

Terminal ID



0



0



0



Save

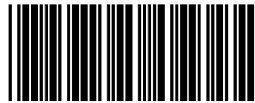


The imager beeps twice during the configuration process.

- 4 Turn off power to the computer.
- 5 Connect the serial interface cable to the computer.
- 6 Turn on power to the computer.
- 7 Open your application.

- 8 Scan the following test bar code to make sure that the imager works.

Code 39 Test Bar Code



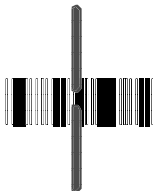
BC321

The imager should beep once, and “BC321” should appear in your application.

The imager is now connected and ready to communicate with your computer. To program the communication parameters for a serial interface, see “Communication Settings” in Chapter 3 of the *1470/1471 Imager User’s Manual*.

## Scanning a Label

The imager’s view finder projects a bright red aiming beam that corresponds to the imager’s horizontal field of view. The aiming beam should be centered over the bar code, but it can be positioned in any direction for a good read.



**Linear Bar Code**



**2D Matrix Bar Code**

## Where to Go From Here

Now that your imager is working, you may need additional information:

- The *1470/1471 Imager User's Manual* (P/N 067054) contains information you may need to configure, operate, and troubleshoot the 1470B imager.
- The CD that ships with the imager contains the Visual Menu and QuickView utilities that allow you to set advanced configuration parameters.

The user's manual is available as a .pdf file on the CD that shipped with the imager or on the Intermec web site at [www.intermec.com](http://www.intermec.com). To order a printed user's manual, contact your local Intermec representative.

## Useful Bar Codes

For more information on these bar codes, see the *1470/1471 Imager User's Manual*.



**Note:** Scanning the Factory Default Settings bar code will clear all existing settings and restore the imager to its factory default state. You will need to reconfigure the imager for a keyboard wedge or serial/RS-232 interface.

Factory Default Settings



Scan Stand On



Scan Stand Off



**Useful Bar Codes (continued)**

Presentation Mode On



Presentation Mode Off



**Test Bar Codes**

Use these test bar codes to verify which bar codes your imager is configured to read.

UPC-A



I 2 of 5



Code 128



**Test Bar Codes (continued)**

EAN 13



Code 39



ABC

CodaBar



PDF417



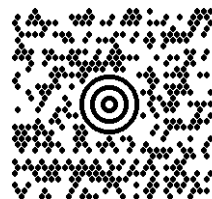
Car Registration

Aztec



Package Label

Maxicode



Package Label

**Test Bar Codes (continued)**

Data Matrix



Test Symbol

QR Code



Numbers

Code 49



1234567890

MicroPDF417



Test Message

Code 93



## Regulatory Statements for Users in Canada and the United States

### Industry Canada Compliance

This digital apparatus does not exceed the Class B limits for radio emissions from digital apparatus as set out in the radio interference regulations of Industry Canada.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par Industrie Canada.

### Federal Communications Commission Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that can cause undesired operation.

This equipment is intended for operation in a commercial environment, in compliance with the requirements for a Class A digital device, pursuant to Part 15 of the FCC Rules, and it must not be used in a residential environment; however, it has also been tested and found to comply with the more stringent requirements for a Class B device, pursuant to Part 15 of the FCC Rules. It generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instruction manual, it may cause interference to radio communications. If this equipment causes interference, the user will be required to correct the interference at the user's own expense.



**Note:** In order to maintain compliance with FCC Rules, the I/O cables that interconnect between the device and any peripheral must be as specified by Intermec.



Caution

**Changes or modifications not expressly approved by Intermec could void the user's authority to operate this equipment.**

### Electrical Ratings

~ 5 – 14 V, 750 mA

### Regulatory Statements For Users Outside of Canada and the United States

#### European Union Compliance



This product complies with EN 55022, EN 50082-1, and EN 60950 as required by the EMC Directive 89/336/EEC as amended by 92/31/EEC and by the Low Voltage Directive 73/23/EEC as amended by 93/68/EEC.

#### Safety Agency Approval

This product is UL and cUL Listed (UL 1950/C22.2 #950) and TÜV GS licensed (EN 60950) for safety when powered by a host system or by an external Intermec power supply. UL and TÜV have approved the following power supply for use with the device:

Catalog Number - 065236 - ~100 - 240V, 50/60 Hz

If this product is powered by a host system the output to the device must be limited to ~ 5 – 14 V, 750 mA.

#### Additional EMI/RFI Compliance

This product meets the Class B limit requirements of CISPR 22. This device complies with AS/NZS 3548 and other applicable rules under the Australian EMC framework.

### Déclarations réglementaires Pour les utilisateurs en dehors du Canada et des Etats-Unis

#### Déclaration de conformité européenne



Ce produit est conforme aux normes EN 55022, EN 50082-1 et EN 60950, tel qu'exigé par la directive de l'EMC n° 89/336/CEE amendée par l'article 92/31/CEE et par la directive sur la basse tension n° 73/23/CEE amendée par l'article 93/68/CEE.

#### Approbations d'agences pour la sécurité

Ce produit est inclus dans la liste UL et cUL (UL 1950/C22.2 n° 950) et est sous licence TÜV GS (EN 60950) pour la sécurité



lorsqu'il est alimenté par un système hôte ou par une source d'alimentation Intermec externe. UL et TÜV ont approuvé l'utilisation de la source d'alimentation suivante pour l'appareil :

Numéro de référence - 065236 - Entrée de  $\sim$ 100 - 240V, 50/60 Hz

Si le 147X est alimenté par un système hôte, la sortie vers le 147X doit être limitée à  $\overline{\sim}$  5 – 14 V à 750 mA.

#### **Conformité additionnelle à la norme EMI/RFI**

Cet appareil respecte les limites imposées pour la Classe B par le CISPR 22.

### **Gebrauchsanweisungen Für Benutzer außerhalb von Kanada oder den Vereinigten Staaten**

#### **Europäische Übereinstimmungserklärung**



Dieses Produkt entspricht EN 55022, EN 50082-1, und EN 60950 in Übereinstimmung mit der EMC-Richtlinie 89/336/EWG, abgeändert durch 92/31/EWG, und der Richtlinie für Niederspannung 73/23/EWG, abgeändert durch 93/68/EWG.

#### **Sicherheitszulassungen durch Prüfstellen**

Dieses Produkt ist in die UL- und in die cUL-Liste aufgenommen (UL 1950/C22.2 Nr. 950) und vom TÜV GS (EN 60950) gemäß den Sicherheitsnormen lizenziert, wenn es von einem Hostsystem oder von einem externen Intermec-Netzanschluß betrieben wird. UL und TÜV haben den folgenden Netzanschluß zum Gebrauch mit dem Gerät zugelassen:

Katalognummer - 065236 -  $\sim$ 100 - 240V, 50/60 Hz

Wenn der produkt ist von einem anderen Produkt betrieben, der Betriebsstrom muß begrenzt sein zu  $\overline{\sim}$  5 – 14 V am 750 mA.

#### **Zusätzliche Elektromagnetische Störung-Übereinstimmung**

Dieses Gerät entspricht den Grenzbestimmungen der Klasse B von CISPR 22.

## **Note regolatorie Per gli utenti al di fuori del Canada o degli Stati Uniti**

### **Dichiarazione europea di conformità**



Questo prodotto è conforme a EN 55022, EN 50082-1, e EN 60950 come richiesto dalla Direttiva del MCE 89/336/CEE come rettificato da 92/31/CEE e dalla Direttiva sul basso voltaggio 73/23/CEE come rettificato da 93/68/CEE.

### **Approvazioni relative alla sicurezza**

Questo prodotto è conforme agli standard di sicurezza UL (UL 1950/C22.2 n.950) e TÜV GS (EN 60950) se alimentato da un sistema host o da un alimentatore Intermec esterno. UL e TÜV hanno approvato per questo dispositivo il seguente alimentatore.

Numero di catalogo - 065236 - tensione in ingresso:  $\sim$ 100 - 240V, 50/60 Hz

Se il prodotto alimentato da un sistema host, la tensione in uscita diretta al prodotto non può superare i  $\overline{\sim}$  5 – 14 V a 750 mA.

### **Ulteriore conformità con EMI/RFI**

Questo dispositivo è conforme ai limiti stabiliti in CISPR 22 per la Classe B.

## **Normas reglamentarias Para usuarios fuera de Canadá o Estados Unidos**

### **Declaración de conformidad europea**



Este producto cumple con las normas EN 55022, EN 50082-1 y EN 60950, de acuerdo a lo establecido por la directiva de EMC 89/336/CEE corregida por 92/31/CEE y por la directiva referente al bajo voltaje 73/CEE corregida por 93/68/CEE.

### **Aprobación de organismos de seguridad**

Este producto está registrado por UL y cUL (UL 1950/C22.2 #950) y está licenciado por TÜV GS (EN 60950) por razones de seguridad cuando está siendo alimentado por un sistema “host” o por una fuente de alimentación externa de

Intermec. UL y TÜV han aprobado las siguientes fuentes de alimentación para ser usadas con este dispositivo:

Número de catálogo - 065236 - Entrada  $\sim$ 100 - 240V, 50/60 Hz

Si el producto está siendo alimentado por el sistema donde está instalado, su alimentación debe limitarse a un máximo de  $\overline{\text{---}}$  5 - 14 V a 750 mA.

#### **Conformidad adicional con EMI/RFI**

Este dispositivo cumple con los límites requeridos para la Clase B de CISPR 22.

#### **Declarações de Regulamentação para Usuários fora do Canadá ou dos Estados Unidos**

##### **Conformidade com a União Européia**



Este produto obedece o EN 55022, EN 50082-1, e EN 60950 como exigido pela Diretiva EMC 89/336/EEC como retificada pela 92/31/EEC e pela Diretiva de Baixa Voltagem 73/23/EEC como retificada pela 93/68/EEC.

##### **Aprovações de Agência de Segurança**

Este dispositivo é listado no UL e cUL (UL 1950/C22.2#950) e licenciado pelo TUV GS (EN 60950) para segurança quando alimentado por um sistema host ou uma fonte de alimentação Intermec externa. UL e TÜV aprovaram a seguinte fonte de alimentação para uso com este dispositivo.

Número de Catálogo - 065236 -  $\sim$ 100 - 240V, 50/60 Hz

Se este produto é alimentado por um sistema host, a saída para o dispositivo deve estar limitado a  $\overline{\text{---}}$  5 - 14 V, 750 mA.

##### **Conformidades EMI/RFI Adicionais**

Este produto atende aos requisitos de limite Classe B do CISPR 22.

## 加拿大和美国以外国家法规声明

### 安全机构批准情况

本产品当由一主机系统或由Intermec外部电源供电时,符合UL和cUL(UL 1950/C22.2 #950)安全规定并获得TÜV GS安全许可证(EN 60950)。UL和TÜV已经批准了下述电源可与本装置使用:

目录号 - 065236- ~100-240V, 50/60Hz

如果本产品由主机系统供电,提供给本装置的输出电源必须限制为  
=5 - 14V, 750mA。

### 其它EMI/RFI法规符合情况

本装置符合CISPR 22的B类限制要求。



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