

EasyID™

TotalFreedom® Formatting Plug-In

Integration Guide

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Introduction

Overview

Honeywell's EasyID™ software plug-in parses bar code data found on United States, government issued identification cards* (i.e. driver's licenses) delivering ready to use data to host system applications for age verification or automatic electronic form population. EasyID may be purchased pre-installed on select Honeywell area-imaging products or purchased as a standalone upgrade.

The following products support the EasyID software plug-in.

- MS1633 FocusBT®
- MS1650
- MS1690 Focus®
- MS1890 Focus®
- MS4980 Vuquest™
- MS7580 Genesis™
- IS4920

Note: Honeywell cannot be held responsible for driver's licenses that do not comply with the formatting standards set forth by the American Association for Motor Vehicle Administrators (AAMVA).

EasyID supported United States driver's licenses*.

- Alabama (AL)
- Alaska (AK)
- Arizona (AZ)
- Arkansas (AR)
- Colorado (CO)
- Connecticut (CT)
- Dist. of Columbia (DC)
- Delaware (DE)
- Florida (FL)
- Hawaii (HI)
- Idaho (ID)
- Indiana (IN)
- Illinois (IL)
- Iowa (IA)
- Kansas (KS)
- Kentucky (KY)
- Louisiana (LA)
- Maine (ME)
- Maryland (MD)
- Massachusetts (MA)
- Minnesota (MN)
- Mississippi (MS)
- Missouri (MO)
- Montana (MT)
- Nebraska (NE)
- Nevada (NV)
- New Hampshire (NH)
- New Jersey (NJ)
- New York (NY)
- North Carolina (NC)
- North Dakota (ND)
- Oklahoma (OK)
- Oregon (OR)
- Pennsylvania (PA)
- Rhode Island (RI)
- South Carolina (SC)
- South Dakota (SD)
- Tennessee (TN)
- Utah (UT)
- Vermont (VT)
- Virginia (VA)
- Washington (WA)
- West Virginia (WV)
- Wisconsin (WI)
- Wyoming (WY)

* Some United States driver's licenses may contain encrypted data that cannot be processed by EasyID. See page 5 for important information on special configuration requirements for encrypted data bar codes.

Getting Started

EasyID Software Installation

Note: Honeywell products ordered with EasyID do not require software installation or software activation. Skip to page 4 for instructions on how to enable the software plug-in.

Items required for EasyID installation or upgrades:

- A computer with access to the internet
- The imager's *Installation and User's Guide*
- The firmware upgrade cable specified in the *Installation and User's Guide*
- MetroSet2 software, downloadable at no additional cost from www.honeywellaidc.com

The following installation/upgrade procedure is not applicable for imagers that do not support firmware updates through MetroSet2's flash feature. Consult the imager's *Installation and User's Guide* to verify the capabilities of the imager before proceeding.

Note: IS4920 users should consult a customer service representative if EasyID is required for their application.

To install or upgrade the EasyID software plug-in:

1. Download and save the EasyID trial[◆] software available at www.honeywellaidc.com.
 2. Consult the imager's *Installation and User's Guide* for information on the specific cable required for firmware updates.
 3. Connect the cable to the imager and an available RS232 serial or USB port on the host system.
 4. Start the MetroSet2 software.
 5. Click on the plus sign (+) next to *POS Scanners* or *Industrial Scanners*, depending on the product type, to expand the supported model list.
- ◆ *The free trial version of EasyID has limited capabilities and is only valid for 50 scans. To prevent random "X" characters from appearing in the transmitted data stream, a full EasyID license must be purchased. Contact customer service for more information on how to purchase an EasyID license. See page 23 for contact information.*

-
6. Choose the appropriate product model from the list.
 7. Click on the *Configure* button.
 8. Choose *Flash Utility* from the options list located on the left side of the screen.
 9. Click on the *Open File* button in the Flash Utility window.
 10. Locate and open the downloaded EasyID[◇] trial software.
 11. Select the COM port that the imager is connected to on the host system.
 12. Click on the *Flash Scanner* button to begin the flash upgrade.
 13. A message will appear on the screen when the upgrade is complete.

EasyID Software Activation

A licensing[◇] key is required to activate the full version of EasyID. Contact a customer service representative for information on purchasing a licensing key. Regional contact information is on page 23.

To Enable EasyID Software Plug-In

Scan the **Enable EasyID** bar code to enable the EasyID software plug-in.

* Disable EasyID



Enable EasyID



- ◇ *The free trial version of EasyID has limited capabilities and is only valid for 50 scans. To prevent a random "X" characters from appearing in the transmitted data stream, a full EasyID license must be purchased. Contact customer service for more information on how to purchase an EasyID license. See page 23 for contact information.*
- * *Item is a factory default configuration.*

Encrypted Data and EasyID

Special Configuration Required for Encrypted Data

Some US driver's licenses may contain encrypted data that cannot be processed by EasyID. These codes, when read, could negatively affect system performance if the unit is not configured to ignore the encrypted data codes.

Scan the **Disable Non-ID PDF417** configuration bar code for applications that involve scanning driver's licenses that may contain encrypted data.

* Enable
Non-ID PDF417 Scanning



Disable
Non-ID PDF417 Scanning



Disabling Non-ID PDF417 scanning will prevent the capture and transmission of any PDF417 codes that are not recognized as an ID card.

Note: The imager will still read composite GS1 bar codes.

* *Item is a factory default configuration.*

Data Transmission Configuration

Before starting the configuration process, identify the necessary data fields required for the application and the order with which the data must be transmitted to the electronic form or database. Note the type of data delimiter (i.e., comma, tab, etc.) required for the application. When a single and constant field delimiter is required, follow the standard configuration process noted below. When different or varying quantities of data delimiters are required, use the multi-delimiter configuration process on page 8.

Standard Configuration (Single and Constant Field Delimiters)

The standard configuration should be used for applications where all the data fields are separated by a *single and constant* field delimiter (see Figure 1).

To configure the imager for standard data transmission:

1. Scan the **Start Standard Configuration** bar code on page 9.
2. Scan each required data field bar code in the order of the desired transmission sequence (see pages 10 - 11).
3. Scan a field delimiter bar code on page 12 (e.g., comma, tab).
4. Scan the required date format on page 13 (e.g., MM/DD/YYYY, MMDDYYYY).
5. Scan the **End Configuration** bar code on page 9.

Example

John,Doe,90 Coles Rd,Blackwood,NJ,08012,01/01/68

To configure the imager to transmit the data sequence above:

1. Scan the **Start Standard Configuration** bar code on page 9.
2. Scan the **First Name** bar code
the **Last Name** bar code,
the **Street** bar code,
the **City** bar code,
the **State** bar code,
the **Postal** bar code and then,
the **Date of Birth** bar code on page 10.
3. Scan the **Comma “,”** bar code on page 12.
4. Scan the **MM/DD/YYYY** bar code on page 13.
5. Scan the **End Configuration** bar code on page 9.

Figure 1 . Example of Standard Configuration

Multi-Delimiter Configuration (Different or Varying Quantity)

The multi-delimiter configuration should be used for applications where data fields must be transmitted using *different or varying numbers of delimiters* (see *Figure 2*).

To configure the imager for Multi-Delimiter data transmission:

1. Scan the **Start Multi-Delimiter Configuration** bar code on page 9.
2. Scan the first transmitted data field bar code (see pages 10 - 11).
3. Scan any number of field delimiter bar codes on page 12 (e.g., comma, tab).
4. Scan the next desired data field bar code (see pages 10 - 11).
5. Repeat steps 3 & 4 until the entire data string is configured.
6. Scan the required date format on page 13 (e.g., MM/DD/YYYY, MMDDYYYY).
7. Scan the **End Configuration** bar code on page 9.

Example

John<tab>Doe<tab><tab>90 Coles Rd<tab>Blackwood,NJ<tab>08012<tab>01/01/68

To configure the imager to transmit the data sequence above:

1. Scan the **Start Multi-Configuration** bar code on page 9.
2. Scan the **First Name** bar code on page 10.
3. Scan the **Tab** bar code on page 12.
4. Scan the **Last Name** bar code on page 10.
5. Scan the **Tab** bar code two times, the **Street** bar code, the **Tab** bar code, the **City** bar code, the **Comma “,”** bar code, the **State** bar code, the **Tab** bar code, **Postal** bar code, the **Tab** bar code and then the **Date of Birth** bar code.
6. Scan the **MM/DD/YYYY** bar code on page 13.
7. Scan the **End Configuration** bar code on page 9.

Figure 2. Example of Multi-Delimiter Configuration

Standard Enter/Exit Configuration Bar Codes

Start Standard Configuration



End Configuration



Multi-Delimiter Enter/Exit Configuration Bar Codes

Start
Multi-Delimiter Configuration



End Configuration



Data Field Options

First Name



Street



Middle Name



Street 2



Last Name



City



Date of Birth



State



Expiration Date



Postal Code



Issued Date



ID Number



Height



Class



Weight



Endorsements



Eye Color



Restriction



Hair Color



Issuer Identification Number (IIN)



Gender



Duplicates



Organ Donor



Customer ID



Data Field Delimiter Options

Tab



Carriage Return "CR"



* Comma “,”



Dollar Sign “\$”



Carrot “^”



Semi-Colon “;”



Space “ ”



Date Formats

* MM/DD/YYYY



MMDDYYYY



MM/DD/YY



MMDDYY



MM-DD-YY



MM-DD-YYYY



* Item is a factory default configuration.

Jurisdictional Update Instructions

Honeywell creates update packages that are jurisdiction specific when government or industry specifications change requiring an upgrade to the imager's Easy/D software plug-in. Contact a customer service representative for additional information on available update packages.

The following configuration sequence provides information on the upgrade process once an update package has been acquired from Honeywell.

To implement a jurisdictional update:

1. Scan the **Start Update** bar code.

Start Update



2. Scan **all of the PDF417 jurisdictional update codes** provided in the update package.

Note: The PDF417 codes do not have to be scanned in any specific order. Accidentally scanning a code more than once will not affect the update.

3. Scan the **Complete Update** bar code to finish the update.

Complete Update



Scanning the **Cancel Update** bar code will void all current new settings and return the imager back to the product's most recent settings. The bar code can be scanned at any time during the update process.

Cancel Update



EasyID Version Identification

Scan the bar code below to transmit what version of EasyID software the imager is running.

Transmit EasyID Version



Note: If the characters @#\$EasyIDVersion\$#@ are transmitted when the bar code is scanned, then the unit is not equipped with the EasyID software plug-in.



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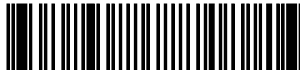
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