

***EasyParse* for GS1 DataBar™**

TotalFreedom® Formatting Plug-In

Integration Guide

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Introduction

Overview

Honeywell's EasyParse for GS1 DataBar™ software plug-in parses bar code data adhering to GS1 General Specifications 8.0 standards and provides specific information such as GTIN [AI-01] [Horizontal Tab] USE BY or EXPIRY [AI-17]. EasyParse for GS1 DataBar may be purchased pre-installed on select Honeywell products or purchased as a standalone upgrade. Refer to EasyParse for GS1 DataBar Data Sheet, available at www.honeywellaidc.com, for a complete list of supported products.

Note: Honeywell cannot be held responsible for bar codes not able to be read that do not comply with standards set forth by GS1 General Specifications.



Getting Started

Software Activation

A license key is required to activate the full version of EasyParse for GS1 DataBar. Contact a customer service representative for information on purchasing a licensing key. Regional contact information is on page 77.

Software Installation

*Note: Honeywell products ordered with EasyParse for GS1 DataBar do not require software installation or software activation. Skip to page **Error! Bookmark not defined.** for instructions on how to enable the software plug-in.*

Items required for EasyParse for GS1 DataBar installation:

- A computer with access to the internet
- The scanner's User's Guide
- The firmware upgrade cable specified in the scanners User's Guide
- EZConfig-Scanning software, downloadable at no additional cost from www.honeywellaidc.com

The following installation procedure is not applicable for scanners that do not support firmware updates through EZConfig-Scanning download feature. Consult the scanner's User's Guide to verify the capabilities of the scanner before proceeding.

To install the EasyParse for GS1 DataBar software plug-in:

1. Download and save the EasyParse for GS1 DataBar [◇] plug-in trial software available at www.honeywellaidc.com.
2. Consult the scanner's User's Guide for information on the specific cable required for firmware updates.
3. Connect the cable to the scanner and an available RS232 serial or USB port on the host system.
4. Start the EZConfig-Scanning software. Click on the *Help* file in the menu bar. Select *Help Topics* and follow the steps under *Connecting to a Device*.

[◇] *The free trial version of EasyParse for GS1 DataBar has unlimited trials, however inserts "X" characters in the data stream. To prevent "X" characters from appearing in the transmitted data stream, a full EasyParse for GS1 DataBar license must be purchased. Contact customer service for more information on how to purchase an EasyParse for GS1 DataBar license. See page 77 for contact information.*

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5. In the Application Explorer, select Download. In the Main Workspace, click on the “...” button to browse for the EasyParse for GS1 DataBar flash image file (*.moc.) Click on the Download to Device button.
 6. After the firmware has been downloaded to the scanner, scan the *Save Custom Defaults* bar code in the User’s Guide.
 7. To activate EasyParse for GS1 DataBar software, scan the *Activate Plug-in* bar code followed by the *Reset* bar code. Scan only the bar codes relevant for your scanner type (e.g., 2D or 1D).

Use the following codes for **2D Scanners.**

Activate Plug-in



PLGFOE1;PLGFONEasyParseConf.

Reset



RESET_.

Use the following codes for **1D Scanners.**

Activate Plug-in



PLGFOE1;PLGFONEasyParseConf.

Reset



RESET_.

To Enable Software Plug-In

Scan the *Enable EasyParse for GS1 DataBar* bar code to enable the *EasyParse* for GS1 DataBar software plug-in. Scan only the bar codes relevant for your scanner type (e.g., 2D or 1D).

Use the following codes for **2D Scanners**.

* Enable *EasyParse* for GS1 DataBar



9902A2004#ACTIVATE#.

Disable *EasyParse* for GS1 DataBar



9902A2004#DEACTIVATE#.

Use the following codes for **1D Scanners**.

* Enable *EasyParse* for GS1 DataBar



9902A2004#ACTIVATE#.

Disable *EasyParse* for GS1 DataBar



9902A2004#DEACTIVATE#.

* *Factory Default.*



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.

The default format of parsing configuration is GTIN [AI-01].

Configuration

To configure the scanner for Programming Mode configuration:

1. Scan **Enter Programming Mode** bar code on page 8.
2. Scan the **Start Configuration** bar code on page 9.
3. Scan each required data field bar code in the order of the desired transmission sequence (pages 10 - 28), if necessary, desired formatting option (page 29 - 38) with desired separators for data fields (see pages 39 - 57.)
4. Scan the **End Configuration** bar code on page 9.
5. Scan **Exit Programming Mode** bar code on page 8.

Note: The bar codes must be scanned in this sequence. If scanned out of sequence the scanner will razz and no action will be taken.

Ensure the scanner is configured to read GS1 symbologies.

Formatting Option Notes

EasyParse for GS1 DataBar plug-in supports various formats for Application Identifiers present in GS1 data bar codes. For example, USE BY or EXPIRY [AI-17] has various date formats available. If formatting is required, scan the data field bar code **followed by** the desired format for the field (see page 29 - 38.)

Enter/Exit Programming Mode Bar Codes

Scan only the bar codes relevant for your scanner type (e.g., 2D or 1D).

Use the following codes only for **2D Scanners**.

Enter Programming Mode



9902EntA2004.

Exit Programming Mode



99Exit.

Use the following codes only for **1D Scanners**.

Enter Programming Mode



9902EntA2004

Exit Programming Mode



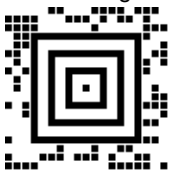
99Exit

Start/End Configuration Bar Codes

Scan only the bar codes relevant for your scanner type (e.g., 2D or 1D).

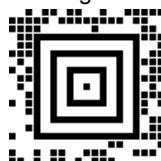
Use the following codes only for **2D Scanners**.

Start Configuration



9902#START#.

End Configuration



9902#END#.

Use the following codes only for **1D Scanners**.

Start Configuration



9902#START#.

End Configuration



9902#END#.

Data Field Options for Programming Mode

For detailed field descriptions, please refer to GS1 General Specifications Version 8.0 (www.gs1.org).

Field Name	Menu Command	Programming Code
SSCC [AI-00]	9902F00	
GTIN [AI-01]	9902F01	
CONTENT [AI-02]	9902F02	
BATCH/LOT [AI-10]	9902F03	
PROD DATE [AI-11]	9902F04	
DUE DATE [AI-12]	9902F05	

Field Name	Menu Command	Programming Code
PACK DATE [A1-13]	9902F06	
BEST BEFORE or SELL BY [AI-15]	9902F07	
USE BY or EXPIRY [AI-17]	9902F08	
VARIANT [AI-20]	9902F09	
SERIAL [AI-21]	9902F0A	
QTY/DATE/BATCH [AI-22]	9902F0B	
ADDITIONAL ID [AI-240]	9902F0C	

Field Name	Menu Command	Programming Code
CUST. PART NO. [AI-241]	9902F0D	
MTO VARIANT [AI-242]	9902F0E	
SECONDARY SERIAL NO. [AI-250]	9902F0F	
REF. TO SOURCE [AI-251]	9902F10	
DOC. ID [AI-253]	9902F11	
GLN EXTENSION [AI-254]	9902F12	
VAR. COUNT [AI-30]	9902F13	

Field Name	Menu Command	Programming Code
NET WEIGHT (kg) [AI-310n]	9902F14	
LENGTH (m) [AI-311n]	9902F15	
WIDTH (m) [AI-312n]	9902F16	
HEIGHT (m) [AI-313n]	9902F17	
AREA (m ²) [AI-314n]	9902F18	
NET VOLUME (l) [AI-315n]	9902F19	
NET VOLUME (m ³) [AI-316n]	9902F1A	

Field Name	Menu Command	Programming Code
NET WEIGHT (lbs.) [AI-320n]	9902F1B	
LENGTH (in.) [AI-321n]	9902F1C	
LENGTH (ft.) [AI-322n]	9902F1D	
LENGTH (yds.) [AI-323n]	9902F1E	
WIDTH (in.) [AI-324n]	9902F1F	
WIDTH (ft.) [AI-325n]	9902F20	
WIDTH (yds.) [AI-326n]	9902F21	

Field Name	Menu Command	Programming Code
HEIGHT (in.) [AI-327n]	9902F22	
HEIGHT (ft.) [AI-328n]	9902F23	
HEIGHT (yds.) [AI-329n]	9902F24	
GROSS WEIGHT (kg) [AI-330n]	9902F25	
LENGTH (m), log [AI-331n]	9902F26	
WIDTH (m), log [AI-332n]	9902F27	
HEIGHT (m), log [AI-333n]	9902F28	

Field Name	Menu Command	Programming Code
AREA (m ²), log [AI-334n]	9902F29	
GROSS VOLUME (l), log [AI-335n]	9902F2A	
GROSS VOLUME (m ³), log [AI-336n]	9902F2B	
KG per m ² [AI-337n]	9902F2C	
GROSS WEIGHT (lbs.) [AI-340n]	9902F2D	
LENGTH (in.), log [AI-341n]	9902F2E	
LENGTH (ft.), log [AI-342n]	9902F2F	








Field Name	Menu Command	Programming Code
LENGTH (yd.), log [AI-343n]	9902F30	
WIDTH (in.), log [AI-344n]	9902F31	
WIDTH (ft.), log [AI-345n]	9902F32	
WIDTH (yd.), log [AI-346n]	9902F33	
DEPTH (in.), log [AI-347n]	9902F34	
DEPTH (ft.), log [AI-348n]	9902F35	
DEPTH (yd.), log [AI-349n]	9902F36	

Field Name	Menu Command	Programming Code
AREA (in. ²), log [AI-350n]	9902F37	
AREA (ft. ²), log [AI-351n]	9902F38	
AREA (yds. ²), log [AI-352n]	9902F39	
AREA (in. ²), log [AI-353n]	9902F3A	
AREA (ft. ²), log [AI-354n]	9902F3B	
AREA (yd. ²), log [AI-355n]	9902F3C	
NET WEIGHT (Troy oz.) [AI-356n]	9902F3D	

Field Name	Menu Command	Programming Code
NET WEIGHT (oz.) [AI-357n]	9902F3E	
NET VOLUME (qt.) [AI-360g]	9902F3F	
NET VOLUME (gal.) [AI-361n]	9902F40	
VOLUME (qt), log [AI-362n]	9902F41	
VOLUME (gal), log [AI-363n]	9902F42	
NET VOLUME (in. ³) [AI-364n]	9902F43	
NET VOUME (ft. ³) [AI-365n]	9902F44	

Field Name	Menu Command	Programming Code
NET VOLUME (yds. ³) [AI-366n]	9902F45	
VOLUME (in. ³), log [AI-367n]	9902F46	
VOLUME (ft. ³), log [AI-368n]	9902F47	
VOLUME (yd. ³), log [AI-369n]	9902F48	
COUNT [AI-37]	9902F49	
AMOUNT [AI-390n]	9902F4A	
AMOUNT – ISO [AI-391n]	9902F4B	




Field Name	Menu Command	Programming Code
PRICE [AI-392n]	9902F4C	
PRICE – ISO [AI-393n]	9902F4D	
ORDER NO. [AI-400]	9902F4E	
CONSIGNMENT [AI-401]	9902F4F	
SHIPMENT NO. [AI-402]	9902F50	
ROUTE [AI-403]	9902F51	
SHIP TO LOC [AI-410]	9902F52	

Field Name	Menu Command	Programming Code
BILL TO [AI-411]	9902F53	
PURCHASE FROM [A1-412]	9902F54	
SHIP FOR LOC [AI-413]	9902F55	
LOC NO [AI-414]	9902F56	
PAY TO [AI-415]	9902F57	
SHIP TO POST [AI-420]	9902F58	
SHIP TO POST – ISO [AI-421]	9902F59	

Field Name	Menu Command	Programming Code
ORIGIN [AI-422]	9902F5A	
COUNTRY – INTIAL PROCESS [AI-423]	9902F5B	
COUNTRY – PROCESS [AI-424]	9902F5C	
COUNTRY – DISASSEMBLY [AI-425]	9902F5D	
COUNTRY – FULL PROCESS [AI-426]	9902F5E	
NSN [AI-7001]	9902F5F	
MEAT CUT [AI-7002]	9902F60	

Field Name	Menu Command	Programming Code
EXPIRY TIME [AI-7003]	9902F61	
PROCESSOR #'s [AI-7030]	9902F62	
PROCESSOR #'s [AI-7031]	9902F63	
PROCESSOR #'s [AI-7032]	9902F64	
PROCESSOR #'s [AI-7033]	9902F65	
PROCESSOR #'s [AI-7034]	9902F66	
PROCESSOR #'s [AI-7035]	9902F67	

Field Name	Menu Command	Programming Code
PROCESSOR #'s [AI-7036]	9902F68	
PROCESSOR #'s [AI-7037]	9902F69	
PROCESSOR #'s [AI-7038]	9902F6A	
PROCESSOR #'s [AI-7039]	9902F6B	
DIMENSIONS [AI-8001]	9902F6C	
CMT NO. [AI-8002]	9902F6D	
GRAI [AI-8003]	9902F6E	

Field Name	Menu Command	Programming Code
GIAI [AI-8004]	9902F6F	
PRICE PER UNIT [AI-8005]	9902F70	
GCTIN [AI-8006]	9902F71	
IBAN [AI-8007]	9902F72	
PROD. TIME [AI-8008]	9902F73	
GSRN [AI-8018]	9902F74	
REF. NO. [AI-8020]	9902F75	

Field Name	Menu Command	Programming Code
COUPON + OFFER [AI-8100]	9902F76	
COUPON + OFFER + END OF OFFER [AI-8101]	9902F77	
COUPON [AI-8102]	9902F78	
NA COUPON [AI-8110]	9902F79	
MUTUAL INFO. [AI-90]	9902F7A	
INTERNAL 1 [AI-91]	9902F7B	
INTERNAL 2 [AI-92]	9902F7C	

Field Name	Menu Command	Programming Code
INTERNAL 3 [AI-93]	9902F7D	
INTERNAL 4 [AI-94]	9902F7E	
INTERNAL 5 [AI-95]	9902F7F	
INTERNAL 6 [AI-96]	9902F80	
INTERNAL 7 [AI-97]	9902F81	
INTERNAL 8 [AI-98]	9902F82	
INTERNAL 9 [AI-99]	9902F83	

Formatting Options for Select Data Fields


Field Name	Menu Command	Programming Code
Indicator Digit	9902X00	
Country Prefix	9902X01	
Company Global Prefix	9902X02	
Item Reference Number	9902X03	
Check Digit	9902X04	
mmddyyyy	9902X05	

Field Name	Menu Command	Programming Code
mm-dd-yyyy	9902X06	
mm/dd/yyyy	9902X07	
mmddy	9902X08	
mm-dd-yy	9902X09	
mm/dd/yy	9902X0A	
ddmmyyyy	9902X0B	
dd-mm-yyyy	9902X0C	

Field Name	Menu Command	Programming Code
dd/mm/yyyy	9902X0D	
ddmmyy	9902X0E	
dd-mm-yy	9902X0F	
dd/mm/yy	9902X10	
yyyy-mm-dd	9902X11	
yyyy/mm/dd	9902X12	
yymm	9902X13	

Field Name	Menu Command	Programming Code
yy-mm	9902X14	
yy/mm	9902X15	
yyyy	9902X16	
yy	9902X17	
mm	9902X18	
mmm	9902X19	
Full Text (month)	9902X1A	





Field Name	Menu Command	Programming Code
dd	9902X1B	
hh	9902X1C	
mm (minutes)	9902X1D	
12 Hour Format [AM/PM]	9902X1E	
ss (seconds)	9902X1F	
mm-yy	9902X21	
mm/yy	9902X22	

Field Name	Menu Command	Programming Code
GDTI	9902X23	
Serial Number	9902X24	
Number formatted with appropriately placed decimal separator	9902X25	
Number formatted with appropriately placed comma separator	9902X26	
Convert to Grams	9902X27	
Drop 00 from Date	9902X28	
Convert to centimeter	9902X29	

Field Name	Menu Command	Programming Code
Convert to ft.	9902X2A	
Convert to gallons	9902X2B	
Convert to kg	9902X2C	
Convert to meter	9902X2D	
Convert to lbs.	9902X2E	
Convert to lbs./ft. ²	9902X2F	
Convert to litres	9902X30	

Field Name	Menu Command	Programming Code
Convert to m ³	9902X31	
First Data Group (Currency/Country Code)	9902X32	
Second Data Group (Value)	9902X33	
Supply Class	9902X34	
Assigning Country	9902X35	
Sequence Number	9902X36	
Slit width, mm	9902X37	

Field Name	Menu Command	Programming Code
Actual length, m	9902X38	
Internal Core Diameter, mm	9902X39	
Winding Direction	9902X3A	
Number of Splices	9902X3B	
GRAI	9902X3C	
GTIN	9902X3D	
Component within Assembly	9902X3E	

Field Name	Menu Command	Programming Code
Total Number of Components in Assembly	9902X3F	
UPC Prefix	9902X40	
Offer Code	9902X41	
Expiration Date	9902X42	

Separators for Programming Mode

Field Name	Menu Command	Programming Code
Line Feed	9902S0A	
Vertical Tab	9902S0B	
Horizontal Tab	9902S09	
Carriage Return	9902S0D	
Space “ ”	9902S20	
Comma “ , ”	9902S2C	

Field Name	Menu Command	Programming Code
NULL	9902S00	
Start of Header	9902S01	
Start of Text	9902S02	
End of Text	9902S03	
End of Transmission	9902S04	
Enquiry	9902S05	
Acknowledge	9902S06	

Field Name	Menu Command	Programming Code
Bell	9902S07	
Backspace	9902S08	
Form Feed	9902S0C	
Shift Out	9902S0E	
Shift In	9902S0F	
Data Link Escape	9902S10	
Device Control 1	9902S11	

Field Name	Menu Command	Programming Code
Device Control 2	9902S12	
Device Control 3	9902S13	
Device Control 4	9902S14	
Negative ACK	9902S15	
Synchronous Idle	9902S16	
End of Text Block	9902S17	
Cancel	9902S18	

Field Name	Menu Command	Programming Code
End of Medium	9902S19	
Substitute	9902S1A	
Escape	9902S1B	
File Separator	9902S1C	
Group Separator	9902S1D	
Record Separator	9902S1E	
Unit Separator	9902S1F	

Field Name	Menu Command	Programming Code
Exclamation Point “!”	9902S21	
Quotation Mark “”	9902S22	
Cross Hatch “#”	9902S23	
Dollar Sign “\$”	9902S24	
Percent Sign “%”	9902S25	
Ampersand “&”	9902S26	
Closing Single Quote “”	9902S27	

Field Name	Menu Command	Programming Code
Opening Parentheses “(“	9902S28	
Closing Parentheses “)”	9902S29	
Asterisk “*“	9902S2A	
Plus “+“	9902S2B	
Hyphen “-“	9902S2D	
Period “.”	9902S2E	
Forward Slant “/“	9902S2F	

Field Name	Menu Command	Programming Code
0	9902S30	
1	9902S31	
2	9902S32	
3	9902S33	
4	9902S34	
5	9902S35	
6	9902S36	

Field Name	Menu Command	Programming Code
7	9902S37	
8	9902S38	
9	9902S39	
Colon “:”	9902S3A	
Semi-Colon “;”	9902S3B	
Less Than Sign “<”	9902S3C	
Equals Sign “=”	9902S3D	

Field Name	Menu Command	Programming Code
Greater Than Sign ">"	9902S3E	
Question Mark "?"	9902S3F	
At Sign "@"	9902S40	
A	9902S41	
B	9902S42	
C	9902S43	
D	9902S44	

Field Name	Menu Command	Programming Code
E	9902S45	
F	9902S46	
G	9902S47	
H	9902S48	
I	9902S49	
J	9902S4A	
K	9902S4B	

Field Name	Menu Command	Programming Code
L	9902S4C	
M	9902S4D	
N	9902S4E	
O	9902S4F	
P	9902S50	
Q	9902S51	
R	9902S52	

Field Name	Menu Command	Programming Code
S	9902S53	
T	9902S54	
U	9902S55	
V	9902S56	
W	9902S57	
X	9902S58	
Y	9902S59	



Field Name	Menu Command	Programming Code
Z	9902S5A	
Opening Square Bracket “[“	9902S5B	
Reverse Slant “\”	9902S5C	
Closing Square Bracket “]”	9902S5D	
Caret “^”	9902S5E	
Underscore “_”	9902S5F	
Opening Single Quote “'”	9902S60	

Field Name	Menu Command	Programming Code
a	9902S61	
b	9902S62	
c	9902S63	
d	9902S64	
e	9902S65	
f	9902S66	
g	9902S67	

Field Name	Menu Command	Programming Code
h	9902S68	
i	9902S69	
j	9902S6A	
k	9902S6B	
l	9902S6C	
m	9902S6D	
n	9902S6E	

Field Name	Menu Command	Programming Code
o	9902S6F	
p	9902S70	
q	9902S71	
r	9902S72	
s	9902S73	
t	9902S74	
u	9902S75	

Field Name	Menu Command	Programming Code
v	9902S76	
w	9902S77	
x	9902S78	
y	9902S79	
z	9902S7A	
Opening Curly Bracket “{”	9902S7B	
Vertical Line “ ”	9902S7C	

Field Name	Menu Command	Programming Code
Closing Curly Bracket “}”	9902S7D	
Tilde “~”	9902S7E	
DEL	9902S7F	

Symbol Programming Bar Codes

EasyParse for GS1 DataBar can be configured to accept all symbologies. By default, only the following symbologies are accepted: GS1-128, GS1 DataBar, Composite Code, GS1 Data Matrix, EAN, and UPC.

Scan the *All Symbologies On* bar code to enable all symbologies. Scan *All Symbologies Off* bar code to enable only GS1 symbologies. Scan only the bar codes relevant for your scanner type (e.g., 2D or 1D).

Use the following codes for **2D Scanners**.

All Symbologies On



9902A2004#ALLSYM_ON#.

All Symbologies Off



9902A2004#ALLSYM_OFF#.

Use the following codes for **1D Scanners**.

All Symbologies On



9902A2004#ALLSYM_ON#.

All Symbologies Off



9902A2004#ALLSYM_OFF#.

Error Beep Programming Bar Codes

The beeper may be configured *Error Beep On* or *Error Beep Off* in response to a non-GS1 bar code. *Default = Error Beep Off.*

Scan only the bar codes relevant for your scanner type (e.g., 2D or 1D).

Use the following codes for **2D Scanners.**

Error Beep On



9902A2004#BEEP_ON#.

* Error Beep Off



9902A2004#BEEP_OFF#.

Use the following codes for **1D Scanners.**

Error Beep On



9902A2004#BEEP_ON#.

* Error Beep Off



9902A2004#BEEP_OFF#.

* *Factory Default.*

Decimal Precision Programming Bar Codes

The precision value for decimal point data can be configured using the bar codes below. *Default = Decimal Precision 2.*

Scan only the bar codes relevant for your scanner type (e.g., 2D or 1D).

Use the following codes for **2D Scanners.**

Decimal Precision 0



9902A2004#DEC00#.

Decimal Precision 1



9902A2004#DEC01#.

* Decimal Precision 2



9902A2004#DEC02#.

Decimal Precision 3



9902A2004#DEC03#.

Decimal Precision 4



9902A2004#DEC04#.

* *Factory Default.*

Use the following codes for **1D Scanners**.

Decimal Precision 0



9902A2004#DEC00#.

Decimal Precision 1



9902A2004#DEC01#.

* Decimal Precision 2



9902A2004#DEC02#.

Decimal Precision 3



9902A2004#DEC03#.

Decimal Precision 4



9902A2004#DEC04#.

* *Factory Default.*



EasyParse for GS1 Data Bar Configuration Utility

EasyParse for GS1 DataBar can also be configured using Honeywell's EasyParse for GS1 DataBar Configuration Utility.

To configure using the EasyParse for GS1 DataBar Configuration Utility:

1. Start the EasyParse for GS1 DataBar Configuration Utility. Select the required AI Group from the list of available groups shown in the drop down-box to populate available fields. By default, Item fields are shown.
2. Select the desired Application Identifier or Separator from the list boxes. Click on the *Insert* button (>>) or double click on the item to add it to the Data Output Format list box.
3. The Separator Fields list box can be extended to show all supported ASCII characters by checking the Show All Separators box.
4. Formatting options are available for different Application Identifiers within different groups. Select one of these identifiers and the options are displayed in the Data Format list box.
5. Select the desired Application Identifier followed by required Data Format option. Click on the *Insert* button (>>) or double click on the item to add it to the Data Output Format list box.
6. To select a Data Format, click on the desired option. To deselect, double click the option.
7. To move a selected identifier in the Data Output Format list box, click on the *Move Up* or *Move Down* buttons until the identifier has been moved to the desired location.
8. To remove a selected identifier in the Data Output Format list box, click on the *Remove* button (<<.)
9. To configure a delay after a separator, select the Separator from the Separator drop-down list. Enter the delay amount in milliseconds. (The delay must be in multiples of 5, starting from 5ms up to and including 5000ms.)
10. The Data Output Format list box and the Configure Delays section can be cleared by clicking on the *Clear All* button.
11. To create a bar code from the Data Output Format list box and/or delays, click on the *Generate Barcode* button. A second window will appear with the bar code. To save the bar code, click on the *Save* button. The bar code will be saved as an html file. To print the bar code, click on the *Print* button.

-
12. The selected configuration that includes the Data Output Format list box and delays can be saved into a file. Click on *Save to File* button and select the location to save then click on the *Save* button. The configuration will be saved as an xml file.
 13. To generate a bar code from a Saved to File configuration, select *Load from File* button. Select file, then click on the *Open* button. The saved configuration will populate in the Data Output Format list box and Configure Delays section. To generate a bar code, follow step number 11.
 14. To complete the configuration, scan the generated bar code.

Inserting Delays between Fields

Delays can be introduced in the data transmission using Data Formatter. The Data Formatting string can be sent as a serial command, built in a menu code, or created in EZConfig-Scanning. Follow input format needed as outlined in the scanner's User's Guide available at www.honeywellaidc.com.

The EF command in the system data formatter will insert a delay between fields in the output.

To test the delay, follow these steps:

1. Setup EasyParse for GS1 DataBar to output data as GTIN [AI-01] [Horizontal Tab] USE BY or EXPIRY [AI-17].
2. For a delay after GTIN [AI-01], send the following data format string to the scanner:

```
DFMBK30124999999F30900EF1000F100.
```

The breakdown of the command line is shown below:

DFMBK3	inform the scanner the following string is data format
0	primary data format
124	terminal interface to apply data format. 124 = USB keyboard wedge
99	symbology ID (99 is a wildcard for all symbologies)
9999	length of bar code to apply data format (9999 is a wildcard for all lengths.)
F30900	sends out all data up to but not including the 09 [Horizontal Tab] character, followed by 00 [Null]
EF1000	inserts a delay of 5000ms (1000 x 5ms)
F100	sends the remainder data from the current virtual pointer position
.	informs scanner to save data to non-volatile flash.

3. The output will be GTIN [AI-01], a delay of 5000ms, Horizontal Tab, then USE BY or EXPIRY [AI-17].

Note: The system data formatter is based on the position of the virtual pointer in the data buffer.

The EF delay command will only work with keyboard interfaces, i.e. USB keyboard or PS/2 keyboard. It will not work with any other interface.



EasyParse for GS1 DataBar Version Identification

Scan the bar code below to transmit what version of EasyParse for GS1 DataBar software the scanner is running.

Transmit EasyParse for GS1 DataBar Version



Transmit GS1 Specification Version



*Note: If the characters @#\$EasyParseVersion\$#@. are transmitted when **Transmit EasyParse for GS1 DataBar Version** bar code is scanned, then the unit is not equipped with the EasyParse for GS1 DataBar software plug-in.*



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