Honeywell

Easy*Parse* for GS1 DataBar™

Total*Freedom*® Formatting Plug-in

Integration Guide

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Technical Assistance

To search our knowledge base for a solution or to log in to the Technical Support portal and report a problem, go to www.hsmcontactsupport.com.

For our latest contact information, see www.honeywellaidc.com/locations.

CHAPTER

1 INTRODUCTION

Honeywell's Easy*Parse* 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]. Easy*Parse* for GS1 DataBar may be purchased installed on select Honeywell products or purchased as a standalone upgrade. Refer to Easy*Parse* 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.*

CHAPTER

2 GETTING STARTED

Software Activation

A license key is required to activate the full version of Easy*Parse* for GS1 DataBar. Contact Customer Support on page iii for information on purchasing a licensing key.

Software Installation

Note: *Honeywell products ordered with EasyParse for GS1 DataBar do not require software installation or software activation. See To Enable Software Plug-In on page 4 for instructions on how to enable the software plug-in.*

Items required for installation:

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

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

To install the Easy*Parse* for GS1 DataBar software plug-in:

1. Download and save the Easy*Parse* for GS1 DataBar plug-in trial software available at www.honeywellaidc.com.

Note: *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 Support on page iii for more information on how to purchase an EasyParse for GS1 DataBar license.*

2. Consult the scanner's User 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 for Scanning software. Click on the **Help** file in the menu bar. Select **Help Topics** and follow the steps under **Connecting to a Device**.
5. In the Application Explorer, select **Download**. In the Main Workspace, click on the "**...**" button to browse for the Easy*Parse* 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 Guide.
7. To activate Easy*Parse* 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).

Using the following codes for 2D Scanners

Activate Plug-In

Reset

Use the following codes for 1D Scanners

Activate Plug-In

Reset

To Enable Software Plug-In

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

Using the following codes for 2D Scanners

*** Enable Easy*Parse* for GS1 DataBar**

Disable Easy*Parse* for GS1 DataBar

Use the following codes for 1D Scanners

9902A2004#ACTIVATE#.

*** Enable Easy*Parse* for GS1 DataBar**

9902A2004#DEACTIVATE#.

Disable Easy*Parse* for GS1 DataBar

CHAPTER

3 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].

Note: *Ensure the scanner is configured to read GS1 symbologies.*

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 (starting on page 10), if necessary, desired formatting option (starting on page 32) with desired separators for data fields (starting on page 43).
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.*

Note: *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, starting on page 32.*

Enter/Exit Programming Mode Bar Codes

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

Using the following codes for 2D Scanners

Enter Programming Mode

Exit Programming Mode

Use the following codes for 1D Scanners

Enter Programming Mode

Exit Programming Mode

Start/End Configuration Bar Codes

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

Using the following codes for 2D Scanners

Start Configuration

End Configuration

Use the following codes for 1D Scanners

Start Configuration

End Configuration

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	9902F00
GTIN [AI-01]	9902F01	9902F01
CONTENT [AI-02]	9902F02	9902F02
BATCH/LOT [AI-10]	9902F03	9902F03
PROD DATE [AI-11]	9902F04	9902F04

Field Name	Menu Command	Programming Code
DUE DATE [AI-12]	9902F05	9902F05
PACK DATE [AI-13]	9902F06	9902F06
BEST BEFORE or SELL BY [AI-15]	9902F07	9902F07
USE BY or EXPIRY [AI-17]	9902F08	9902F08
VARIANT [AI-20]	9902F09	9902F09
SERIAL [AI-21]	9902F0A	9902F0A

Field Name	Menu Command	Programming Code
QTY/DATE/BATCH [AI-22]	9902F0B	9902F0B
ADDITIONAL ID [AI-240]	9902F0C	9902F0C
CUST. PART NO. [AI-241]	9902F0D	9902F0D
MTO VARIANT [AI-242]	9902F0E	9902F0E
SECONDARY SERIAL NO. [AI-250]	9902F0F	9902F0F
REF. TO SOURCE [AI-251]	9902F10	9902F10

Field Name	Menu Command	Programming Code
DOC. ID [AI-253]	9902F11	9902F11
GLN EXTENSION [AI-254]	9902F12	9902F12
VAR. COUNT [AI-30]	9902F13	9902F13
NET WEIGHT (kg) [AI-310n]	9902F14	9902F14
LENGTH (m) [AI-311n]	9902F15	9902F15
WIDTH (m) [AI-312n]	9902F16	9902F16

Field Name	Menu Command	Programming Code
HEIGHT (m) [AI-313n]	9902F17	9902F17
AREA (m^2) [AI-314n]	9902F18	9902F18
NET VOLUME (l) [AI-315n]	9902F19	9902F19
NET VOLUME (m^3) [AI-316n]	9902F1A	9902F1A
NET WEIGHT (lbs.) [AI-320n]	9902F1B	9902F1B
LENGTH (in.) [AI-321n]	9902F1C	9902F1C

Field Name	Menu Command	Programming Code
LENGTH (ft.) [AI-322n]	9902F1D	9902F1D
LENGTH (yds.) [AI-323n]	9902F1E	9902F1E
WIDTH (in.) [AI-324n]	9902F1F	9902F1F
WIDTH (ft.) [AI-325n]	9902F20	9902F20
WIDTH (yds.) [AI-326n]	9902F21	9902F21
HEIGHT (in.) [AI-327n]	9902F22	9902F22

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

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

Field Name	Menu Command	Programming Code
LENGTH (ft.), log [AI-342n]	9902F2F	9902F2F
LENGTH (yd.), log [AI-343n]	9902F30	9902F30
WIDTH (in.), log [AI-344n]	9902F31	9902F31
WIDTH (ft.), log [AI-345n]	9902F32	9902F32
WIDTH (yd.), log [AI-346n]	9902F33	9902F33
DEPTH (in.), log [AI-347n]	9902F34	9902F34

Field Name	Menu Command	Programming Code
DEPTH (ft.), log [AI-348n]	9902F35	9902F35
DEPTH (yd.), log [AI-349n]	9902F36	9902F36
AREA (in.^{2}), log [AI-350n]	9902F37	9902F37
AREA (ft. ^{2}), log [AI-351n]	9902F38	9902F38
AREA (yds.^{2}), log [AI-352n]	9902F39	9902F39
AREA (in.^{2}), log [AI-353n]	9902F3A	9902F3A

Field Name	Menu Command	Programming Code
AREA (ft.^{2}), log [AI-354n]	9902F3B	9902F3B
AREA (yd.^{2}), log [AI-355n]	9902F3C	9902F3C
NET WEIGHT (Troy oz.) [AI-356n]	9902F3D	9902F3D
NET WEIGHT (oz.) [AI-357n]	9902F3E	9902F3E
NET VOLUME (qt.) [AI-360n]	9902F3F	9902F3F
NET VOLUME (gal.) [AI-361n]	9902F40	9902F40

Field Name	Menu Command	Programming Code
VOLUME (qt.), log [AI-362n]	9902F41	9902F41
VOLUME (gal.), log [AI-363n]	9902F42	9902F42
NET VOLUME ($in.^3$) [AI-364n]	9902F43	9902F43
NET VOLUME ($ft.^3$) [AI-365n]	9902F44	9902F44
NET VOLUME ($yds.^3$) [AI-366n]	9902F45	9902F45
VOLUME ($in.^3$), log [AI-367n]	9902F46	9902F46

Field Name	Menu Command	Programming Code
VOLUME (ft.^{3}), log [AI-368n]	9902F47	9902F47
VOLUME (yd.^{3}) [AI-369n]	9902F48	9902F48
COUNT [AI-37]	9902F49	9902F49
AMOUNT [AI-390n]	9902F4A	9902F4A
AMOUNT - ISO [AI-391n]	9902F4B	9902F4B
PRICE [AI-392n]	9902F4C	9902F4C

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

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

Field Name	Menu Command	Programming Code
SHIP TO POST - ISO [AI-421]	9902F59	9902F59
ORIGIN [AI-422]	9902F5A	9902F5A
COUNTRY - INTIAL PROCESS [AI-423]	9902F5B	9902F5B
COUNTRY - PROCESS [AI-424]	9902F5C	9902F5C
COUNTRY - DISASSEMBLY [AI-425]	9902F5D	9902F5D
COUNTRY - FULL PROCESS [AI-426]	9902F5E	9902F5E

Field Name	Menu Command	Programming Code
NSN [AI-7001]	9902F5F	9902F5F
MEAT CUT [AI-7002]	9902F60	9902F60
EXPIRY TIME [AI-7003]	9902F61	9902F61
PROCESSOR # 0 [AI-7030]	9902F62	9902F62
PROCESSOR # 1 [AI-7031]	9902F63	9902F63
PROCESSOR # 2 [AI-7032]	9902F64	9902F64

Field Name	Menu Command	Programming Code
PROCESSOR # 3 [AI-7033]	9902F65	9902F65
PROCESSOR # 4 [AI-7034]	9902F66	9902F66
PROCESSOR # 5 [AI-7035]	9902F67	9902F67
PROCESSOR # 6 [AI-7036]	9902F68	9902F68
PROCESSOR # 7 [AI-7037]	9902F69	9902F69
PROCESSOR # 8 [AI-7038]	9902F6A	9902F6A

Field Name	Menu Command	Programming Code
PROCESSOR # 9 [AI-7039]	9902F6B	9902F6B
DIMENSIONS [AI-8001]	9902F6C	9902F6C
CMT NO. [AI-8002]	9902F6D	9902F6D
GRAI [AI-8003]	9902F6E	9902F6E
GIAI [AI-8004]	9902F6F	9902F6F
PRICE PER UNIT [AI-8005]	9902F70	9902F70

Field Name	Menu Command	Programming Code
GCTIN [AI-8006]	9902F71	9902F71
IBAN [AI-8007]	9902F72	9902F72
PROD. TIME [AI-8008]	9902F73	9902F73
GSRN [AI-8018]	9902F74	9902F74
REF. NO [AI-8020]	9902F75	9902F75
COUPON + OFFER [AI-8100]	9902F76	9902F76

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

Field Name	Menu Command	Programming Code
INTERNAL 9 [AI-99]	9902F83	9902F83

Formatting Options for Select Data Fields

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

Field Name	Menu Command	Programming Code
Check Digit	9902X04	9902X04
mmddyyyy	9902X05	9902X05
mm-dd-yyyy	9902X06	9902X06
mm/dd/yyyy	9902X07	9902X07
mmddyy	9902X08	9902X08
mm-dd-yy	9902X09	9902X09

Field Name	Menu Command	Programming Code
mm/dd/yy	9902X0A	
ddmmyyyy	9902X0B	
dd-mm-yyyy	9902X0C	
dd/mm/yyyy	9902X0D	
ddmmyy	9902X0E	
dd-mm-yy	9902X0F	

Field Name	Menu Command	Programming Code
dd/mm/yy	9902X10	9902X10
yyyy-mm-dd	9902X11	9902X11
yyyy/mm/dd	9902X12	9902X12
yymm	9902X13	9902X13
yy-mm	9902X14	9902X14
yy/mm	9902X15	9902X15

Field Name	Menu Command	Programming Code
yyyy	9902X16	
yy	9902X17	
mm	9902X18	
mmm	9902X19	
Full Text (month)	9902X1A	
dd	9902X1B	

Field Name	Menu Command	Programming Code
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	
Covert to Grams	9902X27	
Drop 00 from Date	9902X28	

Field Name	Menu Command	Programming Code
Convert to centimeter	9902X29	
Convert to ft.	9902X2A	
Convert to gallons	9902X2B	
Convert to kg	9902X2C	
Convert to meter	9902X2D	
Convert to lbs.	9902X2E	

Field Name	Menu Command	Programming Code
Convert to lbs./ft.^{2}	9902X2F	
Convert to litres	9902X30	
Convert to m^3	9902X31	
First Data Group (Currency/ Country Code)	9902X32	
Second Data Group (Value)	9902X33	
Supply Class	9902X34	

Field Name	Menu Command	Programming Code
Assigning Country	9902X35	
Sequence Number	9902X36	
Slit width, mm	9902X37	
Actual length, m	9902X38	
Internal Core Diameter, mm	9902X39	
Winding Direction	9902X3A	

Field Name	Menu Command	Programming Code
Number of Splices	9902X3B	
GRAI	9902X3C	
GTIN	9902X3D	
Component within Assembly	9902X3E	
Total Number of Components in Assembly	9902X3F	
UPC Prefix	9902X40	

Field Name	Menu Command	Programming Code
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	

Field Name	Menu Command	Programming Code
Carriage Return	9902S0D	
Space " "	9902S20	
Comma ","	9902S2C	
NULL	9902S00	
Start of Header	9902S01	
Start of Text	9902S02	

Field Name	Menu Command	Programming Code
End of Text	9902S03	9902S03
End of Transmission	9902S04	9902S04
Enquiry	9902S05	9902S05
Acknowledge	9902S06	9902S06
Bell	9902S07	9902S07
Backspace	9902S08	9902S08

Field Name	Menu Command	Programming Code
Form Feed	9902S0C	
Shift Out	9902S0E	
Shift In	9902S0F	
Data Link Escape	9902S10	
Device Control 1	9902S11	
Device Control 2	9902S12	

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

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

Field Name	Menu Command	Programming Code
Unit Separator	9902S1F	
Exclamation Point “!”	9902S21	
Quotation Mark “	9902S22	
Cross Hatch “#”	9902S23	
Dollar Sign “$”	9902S24	
Percent Sign “%”	9902S25	

Field Name	Menu Command	Programming Code
Ampersand “&”	9902S26	9902S26
Closing Single Quote “’”	9902S27	9902S27
Opening Parentheses “(“	9902S28	9902S28
Closing Parentheses “)”	9902S29	9902S29
Asterisk “*”	9902S2A	9902S2A
Plus “+”	9902S2B	9902S2B

Field Name	Menu Command	Programming Code
Hyphen "-"	9902S2D	
Period "."	9902S2E	
Forward Slant "/"	9902S2F	
0	9902S30	
1	9902S31	
2	9902S32	

Field Name	Menu Command	Programming Code
3	9902S33	9902S33
4	9902S34	9902S34
5	9902S35	9902S35
6	9902S36	9902S36
7	9902S37	9902S37
8	9902S38	9902S38

Field Name	Menu Command	Programming Code
9	9902S39	
Colon ":"	9902S3A	
Semi-Colon ";"	9902S3B	
Less Than Sign "<"	9902S3C	
Equals Sign "="	9902S3D	
Greater Than Sign ">"	9902S3E	

Field Name	Menu Command	Programming Code
Question Mark “?”	9902S3F	9902S3F
At Sign “@”	9902S40	9902S40
A	9902S41	9902S41
B	9902S42	9902S42
C	9902S43	9902S43
D	9902S44	9902S44

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

Field Name	Menu Command	Programming Code
K	9902S4B	
L	9902S4C	
M	9902S4D	
N	9902S4E	
O	9902S4F	
P	9902S50	

Field Name	Menu Command	Programming Code
Q	9902S51	9902S51
R	9902S52	9902S52
S	9902S53	9902S53
T	9902S54	9902S54
U	9902S55	9902S55
V	9902S56	9902S56

Field Name	Menu Command	Programming Code
W	9902S57	
X	9902S58	
Y	9902S59	
Z	9902S5A	
Opening Square Bracket “[“	9902S5B	
Reverse Slant “\”	9902S5C	

Field Name	Menu Command	Programming Code
Closing Square Bracket “]”	9902S5D	9902S5D
Caret “^”	9902S5E	9902S5E
Underscore “_”	9902S5F	9902S5F
Opening Single Quote ‘	9902S60	9902S60
a	9902S61	9902S61
b	9902S62	9902S62

Field Name	Menu Command	Programming Code
c	9902S63	
d	9902S64	
e	9902S65	
f	9902S66	
g	9902S67	
h	9902S68	

Field Name	Menu Command	Programming Code
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	

Field Name	Menu Command	Programming Code
u	9902S75	
v	9902S76	
w	9902S77	
x	9902S78	
y	9902S79	
z	9902S7A	

Field Name	Menu Command	Programming Code
Opening Curly Bracket “{“	9902S7B	9902S7B
Vertical Line “|”	9902S7C	9902S7C
Closing Curly Bracket “}”	9902S7D	9902S7D
Tilde “~”	9902S7E	9902S7E
DEL	9902S7F	9902S7F

Symbol Programming Bar Codes

Easy*Parse* 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).

Using the following codes for 2D Scanners

All Symbologies On

All Symbologies Off

Use the following codes for 1D Scanners

All Symbologies On

All Symbologies 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).

Using the following codes for 2D Scanners

Error Beep On

***Error Beep Off**

Use the following codes for 1D Scanners

Error Beep On

9902A2004#BEEP_OFF#.

***Error Beep Off**

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).

Using the following codes for 2D Scanners

Decimal Precision 0

Decimal Precision 1

*** Decimal Precision 2**

Decimal Precision 3

Decimal Precision 4

Use the following codes for 1D Scanners

9902A2004#DEC00#.

Decimal Precision 0

9902A2004#DEC01#.

Decimal Precision 1

9902A2004#DEC02#.

*** Decimal Precision 2**

9902A2004#DEC03#.

Decimal Precision 3

9902A2004#DEC04#.

Decimal Precision 4

Remove Application Identifiers Bar Codes

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

Using the following codes for 2D Scanners

Remove Application Identifiers On

Remove Application Identifiers Off

Use the following codes for 1D Scanners

9902A2004#ENABLE_AI#.

Remove Application Identifiers On

9902A2004#DISABLE_AI#.

Remove Application Identifiers Off

CHAPTER

4 CONFIGURATION UTILITY

Easy*Parse* for GS1 DataBar can also be configured using Honeywell's Easy*Parse* for GS1 DataBar Configuration Utility.

To configure using the Easy*Parse* for GS1 DataBar Configuration Utility:

1. Start the Easy*Parse* for GS1 DataBar Configuration Utility. Select the required *AI Group* from the list of available groups shown in the drop-down list 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.

CHAPTER

5 INSERTING DELAYS

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 for Scanning. Follow input format needed as outlined in the scanner's User 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 Easy*Parse* 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.

CHAPTER

6 VERSION IDENTIFICATION

Scan the bar code below to transmit the version of software the scanner is running.

Transmit EasyParse for GS1 DataBar Version

Transmit GS1 Specification Version

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

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