

Creating Interim Coupon barcodes with AI 8110 using Bar Code Pro® DataBar

To create a coupon code that contains a UPC part and a DataBar Expanded Stacked part using Bar Code Pro® DataBar, you need to create each part separately.

To create the UPC part, choose GS1 UPC-A from the symbology menu and enter an 11-digit data to the Linear Data field. For example, if the manufacturer's ID is 14141 and the product number is 10090, the input data should be 51414110090, where the character 5 signals a coupon. The program will then generate a check character, 6 in this case, and create a UPC (A) symbol like this:



To create an Expanded Stacked barcode, choose GS1 Expanded Stacked from the symbology menu and enter the encodation data constructed from the raw coupon data elements following the syntax defined by GS1 US in "U. S. Coupon Application Guideline using GS1 DataBar (RSS) Expanded® Symbols", 23 February 2007. The program will then generate a Expanded Stacked symbol based on the data.

Take an example from Annex G of the Guideline mentioned above to show the coupon encodation data construction process.

Example 1: The coupon's meaning: **Save 1.50 on any size item A when you buy either item B or item C.** In the following list, elements highlighted in red are required and others optional.

Element	Data
=====	=====
Application Identifier	8110
Primary GS1 Company Prefix VLI	1
Primary GS1 Company Prefix	0614141
Offer Code	654321
Save Value VLI	3
Save Value	150
Primary Purchase Requirement VLI	1
Primary Purchase Requirement	1

Primary Purchase Requirement Code	0
Primary Purchase Family Code	120
Data Field 1 - 2nd Qualifying Purchase	1
Additional Purchase Rules Code	2
2nd Purchase Requirement VLI	1
2nd Purchase Requirement	1
2nd Purchase Requirement Code	0
2nd Purchase Family Code	140
2nd Purchase GS1 Company Prefix VLI	9
2nd Purchase GS1 Company Prefix	N/A
Data Field 2 - 3rd Qualifying Purchase	2
3rd Purchase Requirement VLI	1
3rd Purchase Requirement	1
3rd Purchase Requirement Code	0
3rd Purchase Family Code	256
3rd Purchase GS1 Company Prefix VLI	1
3rd Purchase GS1 Company Prefix	0012666
Data Field 3 - Expiration Date	3
Expiration Date	101231

By collect the data items from the column on the right, we get the data to be encoded (using blue and origin colors alternatively for the items for easier reading):

81101061414165432131501101201211014092110256100126663101231

This is the resulting symbol:



To get the guideline for constructing your input data, please contact GS1 US (<http://www.gs1us.org/>) for "U. S. Coupon Application Guideline using GS1 DataBar (RSS) Expanded® Symbols".

(SNX/BTI, April 23, 2008)