How to Generate Your GS1 Barcode Numbers

1) GS1 Malaysia has two membership categories:

**Category A Barcode Number**

```
<table>
<thead>
<tr>
<th>Country Prefix</th>
<th>Company Prefix</th>
<th>Running Number</th>
<th>Check Digit</th>
</tr>
</thead>
<tbody>
<tr>
<td>955</td>
<td>543210</td>
<td>000</td>
<td>8</td>
</tr>
</tbody>
</table>
```

**Category B Barcode Number**

```
<table>
<thead>
<tr>
<th>Country Prefix</th>
<th>Company Prefix</th>
<th>Running Number</th>
<th>Check Digit</th>
</tr>
</thead>
<tbody>
<tr>
<td>955</td>
<td>41001234</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>
```
2) Find out what is your GS1 Company Prefix.

Your assigned company prefix can be found on your GS1 Membership Approval Letter. It looks like this:

955 <company prefix>

e.g. 955 xxxxxxx
(Category A, 6 digit prefix)

e.g. 955 4100xxxxn
(Category B, 8 digit prefix, where n=running number)
3) Add in the running number after your company prefix. Note: you assign each of your **product models** with a barcode number.

Category A = **1000 numbers**, from ‘000’ to ‘999’.

955xxxxxxx000C
955xxxxxxx001C
955xxxxxxx002C
955xxxxxxx003C

...
955xxxxxxx999C

Category B = **10 numbers**, from ‘0’ to ‘9’.

9554100xxxxxx0C
9554100xxxxxx1C
9554100xxxxxx2C
9554100xxxxxx3C

...
9554100xxxxxx9C

*Note: “C” represents the Check Digit*
4) Go to GS1 Malaysia’s Check Digit Calculator. Web Address: http://gs1my.org/index.php?q=node/45&tab=4

The page looks like this:

Calculate Your Check Digit

The all-important check digit ensures

All Global Trade Item Numbers (GTINs) and Global Location Numbers (result of an algorithm called the Modulo-10 algorithm) which uses the

You can use the below check digit calculator to obtain your barcode ch

GTIN Selection : GTIN-13 *

Item Reference : 955613523100

Check Digit : 6

Global Trade : 09556135231006

If you want to understand how the check digit is calculated then take it down.
5) In the **Item Reference** input field, key in the **12-digit number (without the “C”)** you put together earlier.

```
GTIN Selection : GTIN-13

Item Reference : [Input Field]

Calculate Reset

Check Digit :

Global Trade :
```

```
GTIN Selection : GTIN-13

Item Reference : 955100010000

Calculate Reset

Check Digit :

Global Trade :
```
6) Select ‘GTIN-13’ from the GTIN Selection drop-down list for product-level or inner pack-level 13-digit barcode numbers, and ‘GTIN-14’ for carton-level or pallet-level 14-digit barcode numbers.

7) Click **Calculate**.
8) The complete barcode number will be generated and shown in the Global Trade field.

GTIN Selection : GTIN-13
Item Reference : 955100010000

[Calculate] [Reset]

Check Digit : 5
Global Trade : 09551000100005

9) If you are generating a 13-digit number, ignore the ‘0’ at the front. Your final barcode number will look like this:

9555432100008
9554100123455

10) Copy the resulting barcode number to your list for safekeeping and processing.