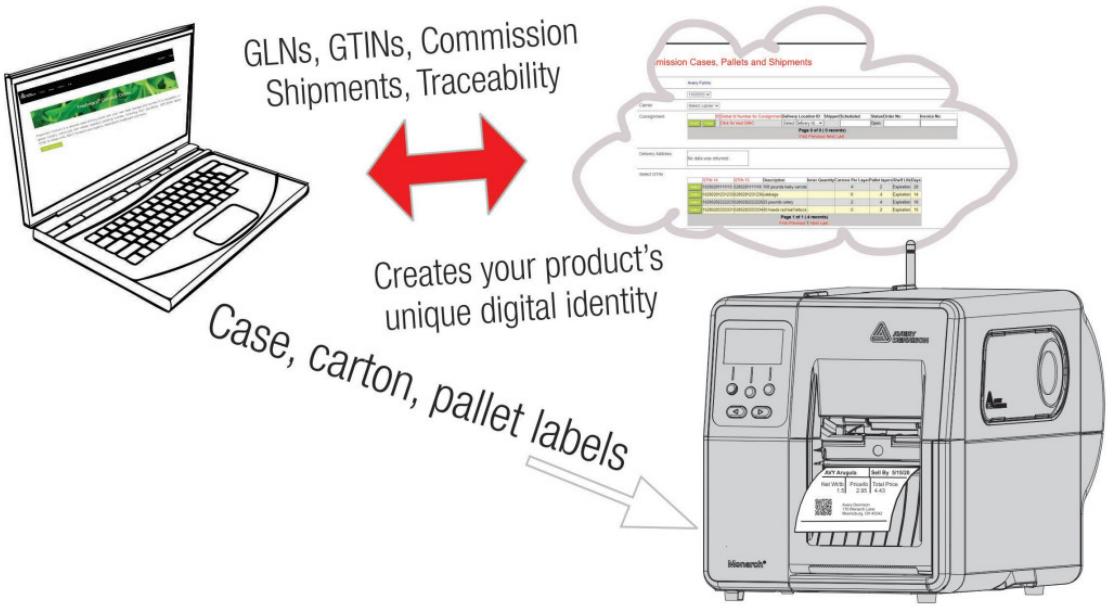
Printers ADTP2 Freshmarx Tabletop Printer User Manual

PRINTERS

FRESHMARX® CONNECT
USER MANUAL

Freshmarx Connect is a Web-hosted food-traceability application that allows you to set up Global Location Numbers (GLNs), Global Trade Item Numbers (GTINs), and commission cases, pallets, and shipments. It creates the digital identity (a record) of your product in the supply chain. Use an Avery Dennison® Monarch® Tabletop RFID Printer 2 (ADTP2) to print case/carton/pallet labels containing GS1 Standard data.



Freshmarx Connect requires a preliminary setup. This may be done by your Avery Dennison Representative. It is not covered in this document:

- Registering users
- Obtaining a GS1 Company Prefix.

The GS1 company prefix is your company's unique identification number. If you have many products, your company may need more than one GS1 company prefix.

- Set up Global Location Numbers (GLNs).
- Set up Global Trade Item Numbers (GTINs).

  Create these numbers for all products. For example, you sell cabbage and cauliflower.

  Create an Item GTIN for a head of cabbage and an Item GTIN for a head of cauliflower.

Use this document to

1. Connect your printer.
2. Log into Freshmarx Connect.
3. Enable RFID.
4. Print labels.

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System Requirements

The PC (running Freshmarx Connect) must use

- Microsoft® Windows® 10 (or greater)
- Supported Web Browsers:

  Google Chrome Version 83 (or greater)

  Internet Explorer® 11 (or greater)

Connecting the Printer

Connect your printer using WiFi, Ethernet, serial or a USB cable to the PC and run Freshmarx Connect. Printing is done using a Windows Print Driver. Create a generic text printer that points to the connected port.

1. Connect a USB cable from the PC (running Freshmarx Connect) to the printer.
2. Turn on the printer.
3. On your PC, open Settings, then Devices.
4. Select Printers & scanners. Select + Add a printer or scanner. Your PC searches for available printers.
5. Click The printer that I want isn't listed.
6. Select Add a local printer or network printer with manual settings. Click Next.
7. Select Use an existing port; select the port that appeared after connecting the ADTP2 printer. For example, USB001 (Virtual printer port for USB). Click Next.
8. Select Generic as the Manufacturer and Generic/Text Only for the printer. Click Next.

   If the Generic/Text Only driver does not appear in the list, then click New Driver. Select Manufacturer as Generic, and Printers as Generic/Text Only.
9. Enter a name for the printer. For example, "My ADTP2." Click Next.
10. Select Do not share this printer. Click Next.
11. Decide if you want this printer to be your default and click Finish. Select Use the driver that is currently installed. Click Next. The printer is installed.

Using the ADTP2 Printer

Use our standard 4 x 2 or 4 x 6 labels with an AD229 inlay. For other supply types, contact your Avery representative for more information.

Loading Supply

Load supply according to your printer's operating manuals.
After connecting the printer and loading supplies, make sure the printer is ready to receive data – the displays show Ready.

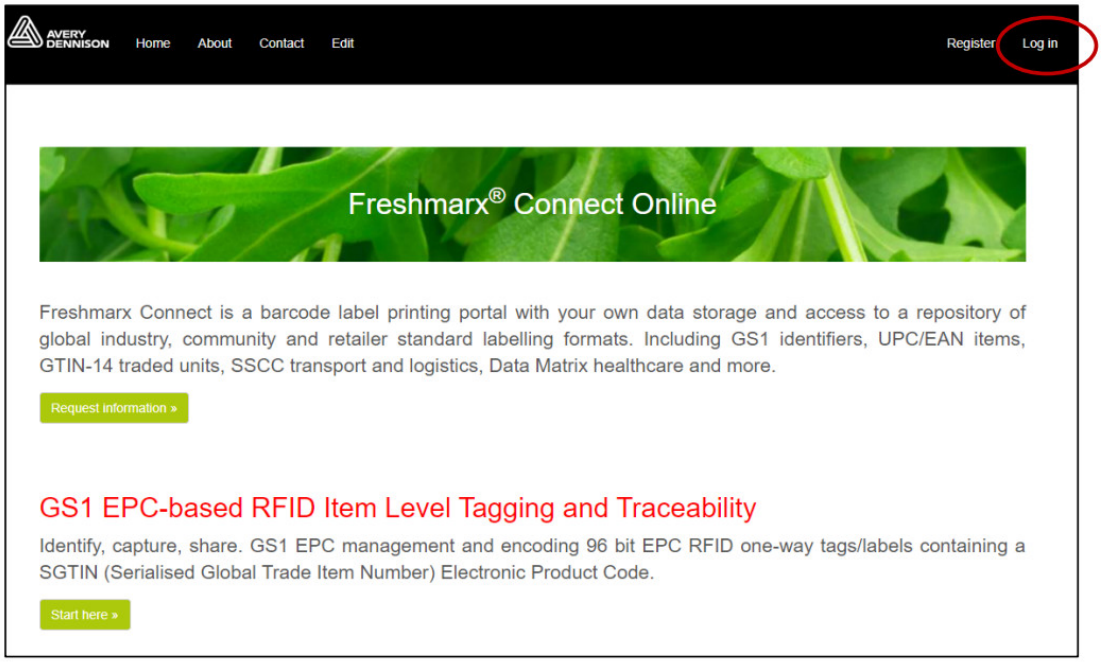
About RFID Supplies

RFID supplies can be damaged by static electricity. Ground yourself by touching metal, such as the printer's metal base, before handling the RFID supplies.
Printing over the RFID inlay causes printing irregularity and may impact bar code print quality.

Logging into Freshmarx Connect

Check with your manager for your login credentials.

1. Using a web browser, navigate to Freshmarx Connect: **https://freshmarxconnect.applications.atma.cloud**
2. Select Log in from the upper right corner.



3. Enter your email address.
4. Enter your password.
5. Click Log in.

   You cannot have two registered accounts using the same company prefix.
6. Click Start here>> to use Freshmarx Connect. You see the main menu:

Resetting Your Password

To reset your password:

1. From the Login page, click Forgot Password.
2. Enter your email address and click Submit.
3. Open the email and follow the link provided. The email link expires after five (5) minutes. The link goes to the Reset Password page.
4. Enter the new password, confirm the password, and click Set Password.

   Your password is reset and you return to the Login page.
5. Login with your new password.

Enabling RFID Encoding

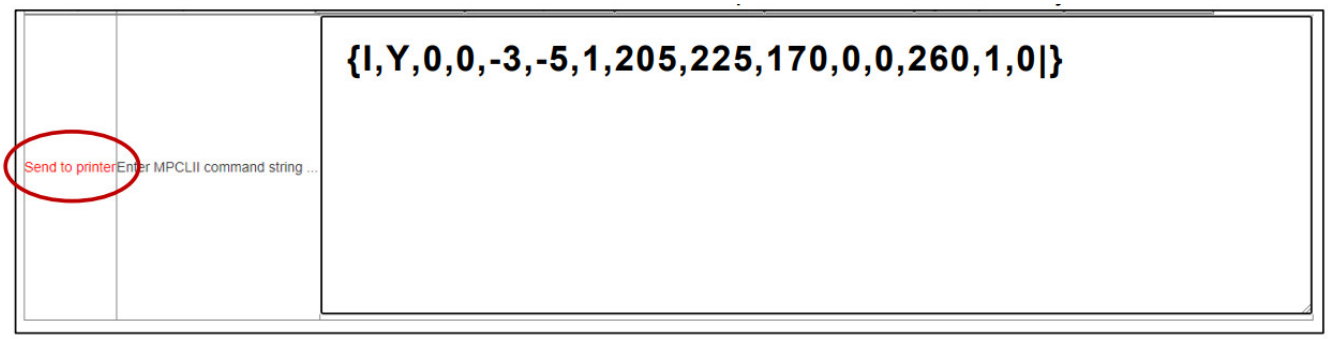
To use supplies with an RFID inlay (AD229, for example), you must send the printer a command to enable RFID encoding (programming).
After connecting the printer, load supplies and make sure the printer is ready to receive data – the display shows Ready.

1. Log into Freshmarx Connect and select Online Configuration from the bottom menu.

2. Enter the following MPCLII string into the box provided:

   {I,Y,0,0,-3,-5,1,205,225,170,0,0,260,1,0|}

   This command enables RFID and sets the RFID parameters for the inlay.

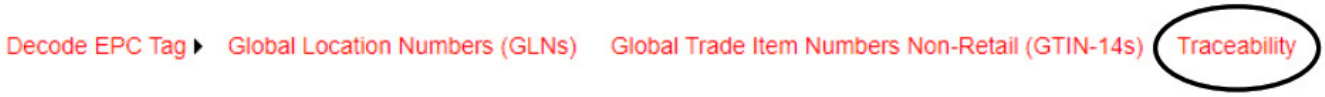


3. Click Send to printer.

   These settings are a recommended starting point. Use the printer's Easy Setup menu to adjust your RFID settings if necessary. Refer to the printer's System Administrator's Guide for more information.

Printing Labels

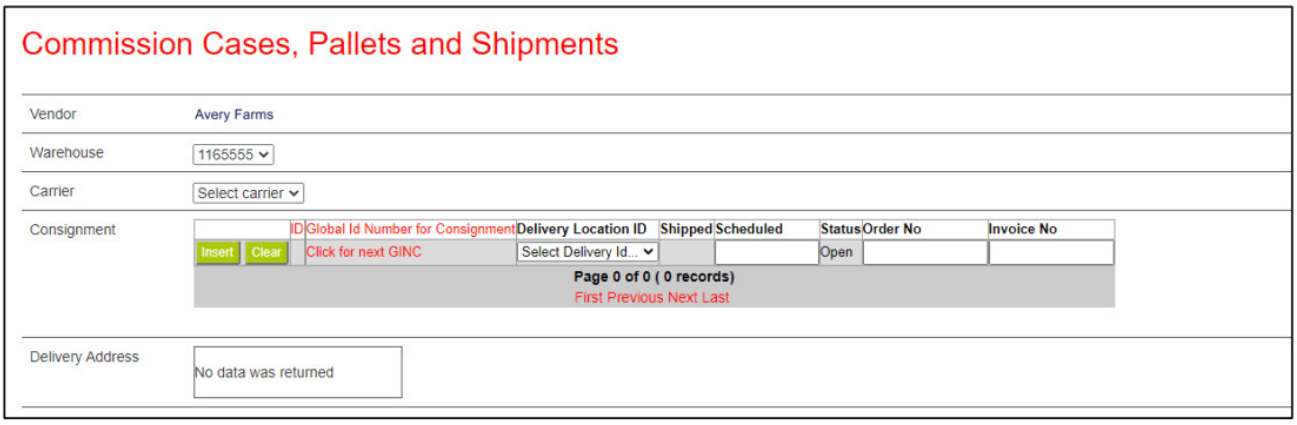
Select Traceability from the main menu to print labels for shipping cartons, etc.



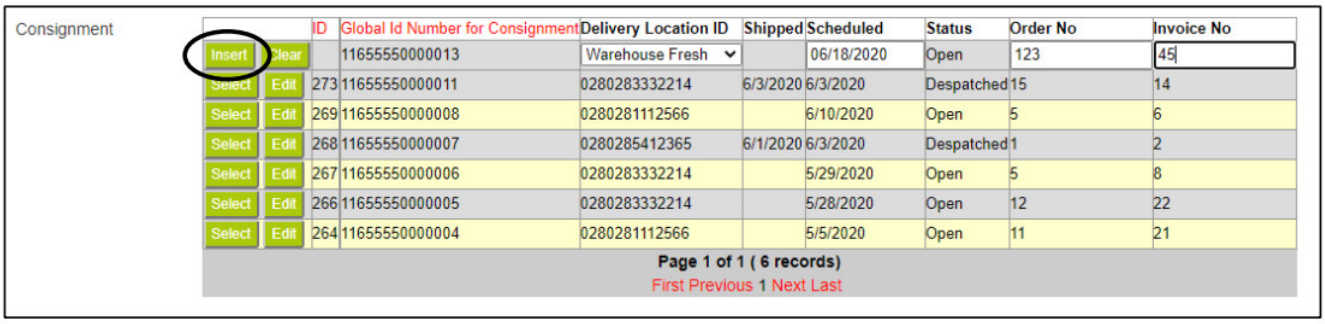
When you have a product ready to ship, use the Traceability menu to

- generate the required Global ID Number for Consignment (GINC)
- print shipping labels
- dispatch (finalize) the digital identity for each shipment.

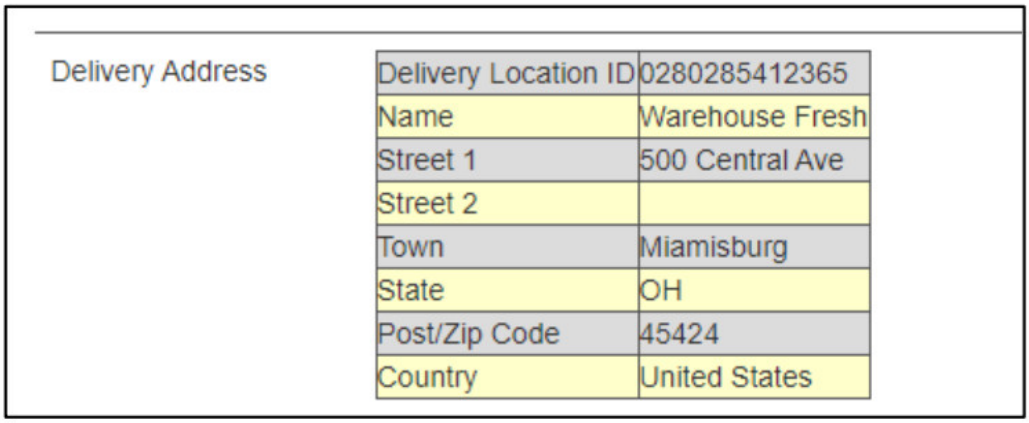
1. Select Traceability. Your vendor name and warehouse appear.



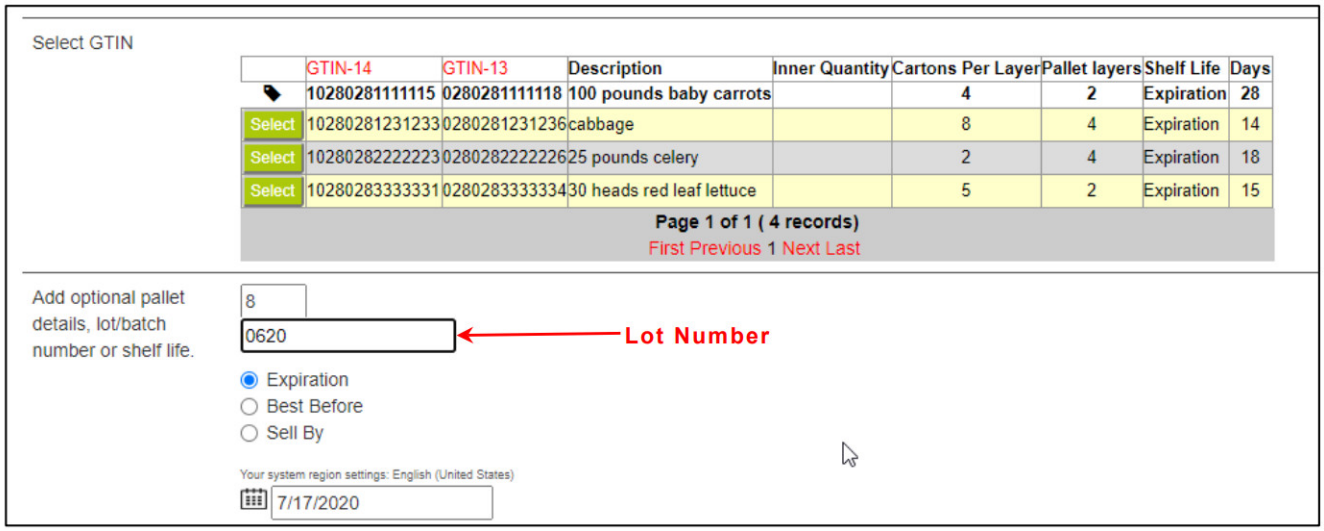
2. Select the Carrier.
3. In the Consignment section, select Click for the next GINC. The next sequential number is automatically generated.
4. Select the Delivery Location ID.
5. Enter the Scheduled Delivery Date as MM/DD/YYYY.
6. Enter the Order Number and the Invoice Number if known. These are not required fields.
7. Click Insert.



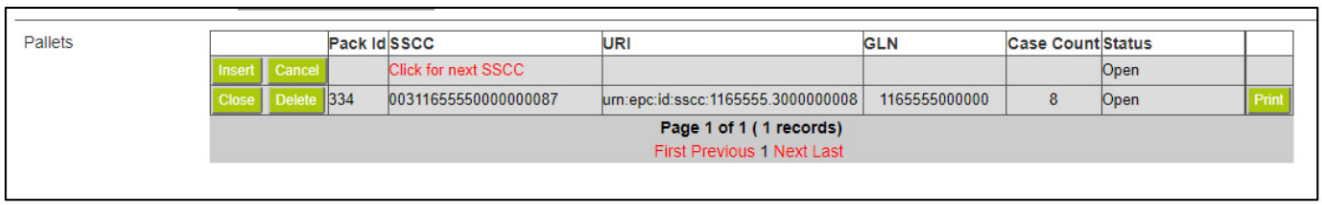
The delivery address appears.



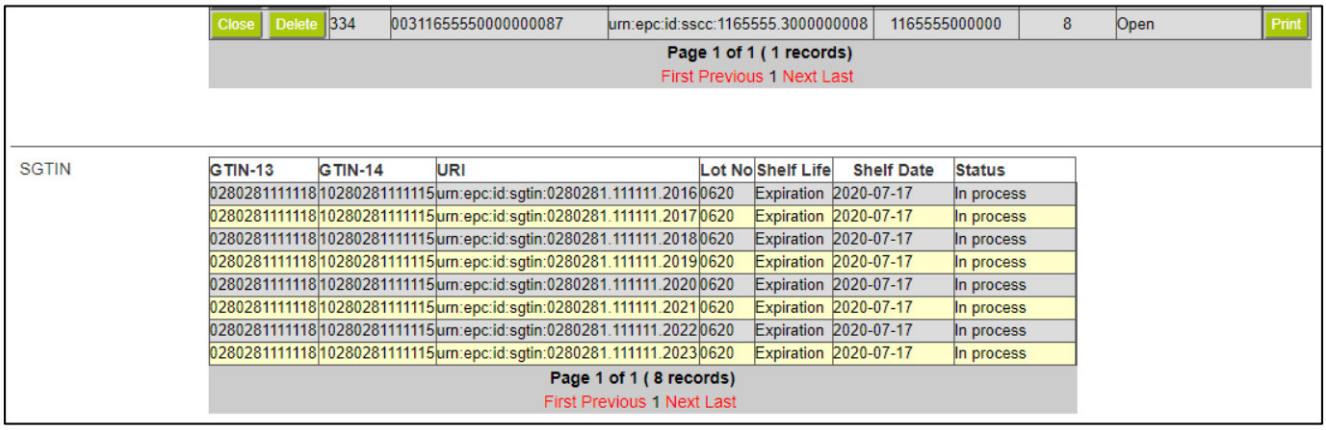
8. In the GTIN section, click Select to pick the product to ship. The optional pallet details appear.



9. Enter the Lot number (maximum 20 alphanumeric digits). The lot number is very important for recall purposes and overall traceability. It helps reduce waste when lot numbers follow the product through the supply chain because it can prove your items are not part of a recall.
10. The Expiration, Best Before, or Sell By date is automatically calculated from your previously entered data (based on Item GTIN setup). Change this information as necessary.
11. In the Pallets section, select Click for the next SSCC. The Serial Shipping Container Code is automatically generated.



12. Click Insert. The GTIN-13, GTIN-14, URI, Lot number, Shelf Life, Shelf Date, and Status appear.
    The URI contains the serial number and GTIN with a serialization, which makes each label unique for each case being labeled.



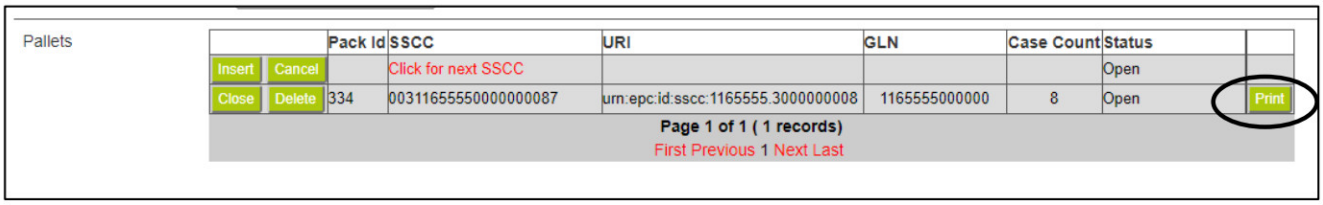
13. At the bottom of the screen, select the format to print.

    After selecting a format, click the thumbnail to show a larger preview of the label.

14. Make sure the printer is connected and ready to receive data, then click Print.

    The print job is sent to the connected printer. The labels are printed and encoded.

    Apply the labels to all the boxes.



15. Once the labels are applied, click Dispatch. Dispatch finalizes the shipment and sends the EPCIS standard record to the third party software (selected earlier) to create the digital identity/record of that shipment. The shipment's information is viewable online (via your transparency provider).

16. Repeat steps 3 – 15 for each item you ship.

Glossary

Freshmarx Connect uses the following abbreviations.

Dispatch
The final step in the Freshmarx Connect process. Once a shipment has been dispatched, it is locked/finalized and the permanent digital identity is sent to the specified transparency provider. The shipment's information is viewable online (via your transparency provider).

EPC
The Electronic Product Code™ is a numbering standard for items, similar to the UPC code for bar coding. For more information, refer to the GS1 EPC Tag Data Standard Specification.

EPCIS
The Electronic Product Code Information Services is a unique string of data (automatically generated by

Freshmarx Connect) that is sent to third party software (transparency providers) to create the digital identity/record of each shipment. Searching the EPCIS allows the shared view of events (transparency) for this record. It can prove your items are not part of a recall. The EPCIS is one component of the URI (Uniform Resource Identifier).

ZINC

The Global Identification Number for Consignment is automatically generated by Freshmarx Connect. It includes your GS1 Company prefix and a serialized number (from the freight carrier). This unique number identifies a logical group of goods for transportation.

GLN

The Global Location Numbers are your customer's shipping address and contact information.
These numbers are set up in Freshmarx Connect's GLN section and not covered in this document.

GS1

The Global Standards One group is an international organization of members from many different sectors: food, retail, distribution, etc.
GS1 develops and sets information standards for supply chain logistics, eCommerce, etc.

GS1 Company Prefix

The company prefix is your company's unique identification number, which is included in all global trade item numbers (GTIN) that you create for your products. Setting up a GS1 Company prefix is not covered in this document.

GTIN

The Global Trade Item Numbers are unique numbers that you create for your products. For example, an individual head of cabbage would have a GTIN number. These numbers are set up in Freshmarx Connect's GTIN section and not covered in this document.

LGTIN

The Lot GTIN includes the GTIN plus the batch or lot number (which is useful in product recalls).

PTI

The Produce Traceability Initiative was developed to provide case-level traceability (transparency) through the produce supply chain. Walmart mandates their suppliers comply with this initiative. For more information, refer to the website: **https://www.producetraceability.org/**

Traded GTIN

The Traded GTIN is the product you ship to customers that includes the number of cartons per layer and/or layers per pallet. The traded GTIN allows you to set up different units of the same product. For example, cases of cabbage and/or pallets of lettuce. These numbers are set up in Freshmarx Connect's GTIN section and not covered in this document.

SGTIN

The Serialized Global Trade Item Number includes the GTIN plus a serialized number. This number is automatically generated by Freshmarx Connect. The SGTIN shows the different units of the same product. Currently, the SGTIN is 96-bits of EPC data.

SSCC

The Serial Shipping Container Code is automatically generated by Freshmarx Connect. It contains the GS1 company prefix and a serialized number that identifies objects within a shipping container. Currently, the SSCC is 96-bits of EPC data.

URI

The Uniform Resource Identifier is a unique string of data (automatically generated by Freshmarx Connect) for use in information systems. It contains the EPC and SSCC data. Searching the URI allows the shared view of events (transparency) for this record. It can prove your items are not part of a recall.

Classification: Avery Dennison – Public

Documents / Resources

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