



Barcodes & Pack Sizes

*Saving multiple barcodes per item — one unit, one pack, one pallet —
and how they speed up scanning*

Introduction

Many products are sold, stored, or moved in more than one unit of measure — a single item, a pack of several, or a full pallet. Data Fusion lets you save more than one barcode against a single item, each representing a different quantity, so your team can scan whichever barcode is actually on the box in front of them and get the correct quantity every time — without needing to scan each individual unit.

Before You Begin — Prerequisites

- Use Pack Sizes must be switched on in Company Configuration — the extra barcode and quantity fields only appear on the Item screen once this is enabled.
- You need the actual barcode values already assigned to your unit, pack, and pallet packaging (Data Fusion doesn't create these barcodes for you — see the note on printing below).



Key Terms — Glossary

Term	What It Means
Barcode Slot	One of up to three barcodes you can save against a single item — for example, one for a single unit, one for a pack, and one for a pallet.
Qty Represented	The number of base units a specific barcode stands for — e.g. 1 for a single item, 12 for a pack, 144 for a pallet.

Where This Happens

Task	Handled By
Save unit/pack/pallet barcodes against an item	Data Fusion (Item screen)
Scan a barcode to add the correct quantity	Data Fusion (picking, stock counts, etc.)
Convert pack/case stock into a different item code	Data Fusion — see the UOM / Item Code Conversion guide
Print the physical barcode labels	Your own barcode/label printer software — not Data Fusion

The Full Workflow

1. Switch on Use Pack Sizes in Company Configuration.
2. On the item's screen, enter up to three barcodes, each with the quantity it represents — for example, Barcode 1 = the single-unit barcode (qty 1), Barcode 2 = a pack barcode (qty 12), Barcode 3 = a pallet barcode (qty 144).
3. From then on, wherever barcode scanning is used — picking slips, stock counts, and elsewhere — scanning any one of the saved barcodes automatically adds the correct quantity for that barcode. Scan the pallet barcode once instead of scanning 144 individual units.
4. If you need to convert pack or case stock into a different, separate item code entirely, use the Convert Item to Different Item Code (UOM Conversion) feature — see its own guide for full detail.



Understanding How This Works

- **One item, several barcodes.** All the barcodes you save point to the exact same item and stock record — they're just different ways of scanning the same thing at different quantities. No separate “pack item” or “pallet item” is created.
- **Data Fusion does not print barcode labels.** There is no barcode label printing feature in Data Fusion. Printing physical barcode labels — for units, packs, or pallets — is handled by your own barcode/label printer's software. Data Fusion only needs to know what each barcode is and how many units it represents, once you've decided on and printed your own barcodes.

Common Mistakes to Avoid

- **Expecting Data Fusion to print barcode labels.** It doesn't — that's the job of your printer's own software.
- **Entering the wrong quantity against a barcode slot.** Double-check the quantity matches the actual pack or pallet count on the label, or scanned quantities will come out wrong.
- **Forgetting to switch on Use Pack Sizes first.** The extra barcode and quantity fields won't appear on the Item screen until this is enabled.