

## Documentation Pandora ERP system.

### Barcode scanning.

#### Table balieverkoop

```
bisystem=# \d balieverkoop
```

Column	Type	Collation	Nullable	Default
ID	integer		not null	0
bonnummer	integer			0
artikelID	integer			0
barcode	character varying			''::character varying
omschrijving	character varying(40)			''::character varying
aantal	double precision			0
prijs	double precision			0
subtotaal	double precision			0
subbtw	double precision			0

Indexes:

"id\_pkey" PRIMARY KEY, btree ("ID")

The table artikelen holds a column barcode (String 13 positions).

In the module invoerArtikel.py (insert article) the field artikelID is transferred to barcode with the EAN 13 structure. The first 2 numbers is the country code. The next 5 numbers are the company numbers, the following 5 numbers is the product number en the last number is a validity check number.

In this module is a image saved of the barcode in the folder ./forms/Barcodelabels

This image can be printed for labeling the product or storage bin in the warehouse, so it's enabled for scanning.

With the module barcodeScan.py Menu Magazijn 9. Balieverkoop (Menu, Warehouse, Countersales), the sales can be established by scanning barcodes.

The amount can be set with the little spinbox. The amount can be filled with the little arrows, or turning the mouseweheel on the field. The amount can be set from 1 to 99. The amount is default set to 1.

The module scans the barcode, looks up in the database the articlenumber, description, price and counts the subtotals and VAT. When scanning is completed, a orderlist can be printed.

If scanning is not possible, in case of a damaged barcode, the barcode can be filled manually.

In this case the <Enter> must be pressed on the keyboard.

The program checks if 13 numbers are filled and checks the validy check number.

The module provides a display with heading and 7 product lines.

The lines are scrolling, if more then 7 lines are added.

Below the display screen the totals including VAT and total VAT is displayed.

If the thirst scan is established the close button is blocked, until next client button is pressed.

Printing of the order is possible until the button next client is pressed.

In the print module the total price and total VAT is counted and printed in the tail heading.

After the next client button is pressed the print button and the next client button is blocked, until the first scan for the next client is established. By scanning the table balieverkoop is filled with the order receipt number, article number, description, amount, price, subtotal and subVAT, also in the table artikelen the stock data is updated.

With pressing the next client button the table afdrachten (payments) is filled with the totals and VAT, also the table artikelmutaties is added with amounts, prices and transaction date.

By scanning is checked on 3 error conditions:

1. The checksum of the barcode is wrong. (wrong barcode or damaged)
2. The product is not in the range of the company.
3. Too little stock for the orderline.

The errors are showed below the product display in the color red.

With choise 3, also the amount of current stock is showed.

For return goods a  $\pm$  button is added.

This button is accessable if role S (Special) of the menu authorisations magazijn (Warehouse) is activated. If the button (checkable) is set on – the spinbox range change from -1 to -99.

For testing barcodes print barcode.png (sheet with 42 barcodes), from folder documentation.