

# Management of POS printers in *Microinvest* Warehouse Pro Light

## 1. Description of the structure of a receipt

<p>Microinvest 1618 Sofia, Bulgaria 215 Tzar Boris III blvd *****  <b>Chicken Bar &amp; Grill</b></p>	Header	<b>Header</b>
<p>Carlsberg                    34.97 A Heineken     2.000*34.97            69.94 A Cebon 50ml     3.000*43.07           129.21 B Courvisiter 50ml           43.07 B Cinzano 50ml              43.07 C</p>	Details	<b>Details</b>
<p>TOTAL                        320.26 CASH                         500.00 CHANGE                      179.74</p>	Totals	<b>Totals</b>
<p>----- VAT A 18%    104.91    16.00 VAT B 10%    172.28    15.66 VAT C 3%     43.07     1.25 -----                   32.91 -----</p>	VAT Analyse	<b>VAT Analyse</b>

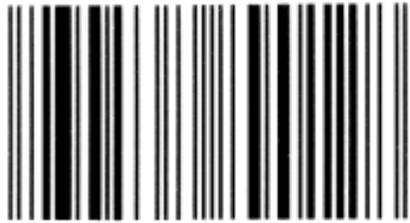
Title of the receipt, which contains address and description of the location. Contains static information. It can be printed only one time.

All items that are included in the operation. For each item are displayed: quantity, price, amount and tax group. This section is repeated for each item.

Total amount of the operation, payment and change amount. The section is printed once for the entire receipt.

Section for all taxes. Each tax group is printed one separate row.

Discount code:



Customer's copy

**Have a nice day**

15:53:29 07.08.2009 N000000110

Footer

## Footer

Information section at the end of the receipt. Contains various static information and may include time, date, number, promotions or other details. Printed once.

## 2. Description of the macros that are processed by the program

Script	Description	On the receipt
<Date>	Date	03.6.2012
<Time>	Time	10:25
<DateTime>	Date and Time	03.6.2012 10:25
<Table>	Table	Table 6
<TableCode>	Table's Code	06.1.1900 00:00
<TableGroup>	Table's Group	Tables
<Operator>	Operator who made the sale	Ivan Ivanov
<OperatorCode>	Code of the operator made the sale	1234
<OperatorGroup>	Group of the operator made the sale	Operators
<Object>	Location in which the sale is made	Restaurant
<ObjectCode>	Code of the location in which the sale was made	18.5.1903 00:00
<ObjectGroup>	Group of the location in which the sale is made	Stores
<Partner>	Partner	Client
<PartnerMOL>	Partner ConPerson in charge from partner side	Georgy Georgiev
<PartnerVATID>	Partner VAT ID	831826092
<PartnerTaxID>	Partner Tax ID	1224049346
<PartnerAddress>	Partner's address	215 Tzar Boris III blvd.
<PartnerPhone>	Partner's telephone	+359 29555515
<PartnerBalance>	Advance payment balance	02.5.1900 10:48
<PartnerCardNumber>	Partner's card number	969123456
<PartnerCode>	Partner's code	18.5.1903 00:00
<PartnerPaymentDays>	Payment days	5 дни
<PartnerDiscount>	Partner's discount	10.1.1900 00:00
<PartnerGroup>	Partner's group	VIP clients
<PartnerDuty>	Partner's obligation	01.6.1900 06:00
<PartnerNote1>	Information from the field Note1 for the partner (depending on the country)	
<PartnerNote2>	Information from the field Note2 for the partner (depending on the country)	
<Owner>	Name of the company issuing the document	Our company LTD
<OwnerMOL>	Person in charge from publisher side	Peter Petrov
<OwnerVATID>	VAT number of the company issuing the document	123456789
<OwnerTaxID>	Tax ID of the company issuing the document	1122334455
<OwnerAddress>	Address of the company issuing the document	4 Rakovski Str.
<OwnerPhone>	Publisher's Telephone	+359 29555334
<OwnerCode>	Publisher's Code	1234
<OwnerNote1>	Information from the field Note1 of the Location for registration (depending on the country)	
<OwnerNote2>	Information from the field Note2 of the Location for registration (depending on the country)	
<UserCode>	User's Code	1234
<UserGroup>	User's Group	Operators

<InvoiceCaption>	Invoice Caption	Invoice
<InvoiceOriginal>	Invoice Original	Original
<InvoiceDate>	Invoice Date	03.6.2012 00:00
<InvoiceNumber>	Invoice Number	
<InvoiceComposer>	Composer of the invoice	Georgy Georgiev
<InvoiceRecipient>	Recipient of te invoice	Ivan Ivanov
<InvoiceRecipientEGN>	Recipient's national number	
<InvoiceDealPlace>	Deal place	Sofia
<Discount>	Difference between the present total sum and the amount of the same products on regular retail price	25.1.1900 12:00
<DiscountPercent>	Difference in % between the present total sum and the amount of the same products on regular retail price	12:00
<ItemCount>	Total number of items (rows) in the receipt	15.1.1900 00:00
<TotalQty>	Total amount of items quantity in the receipt	00:00
<Document>	Document number	0000000156
<Guests>	Number of guests	5
<Left>	Left alignment	0000000156
<Center>	Center alignment	0000000156
<Right>	Right alignment	0000000156
<Stretch>	Streching data on left / right	03.06.2008 10:25
<Empty>	Empty row	
<Esc>	ESC command	chr(27)
<GS>	GS command	chr(29)
<Beep>	Activating printer sound on	chr(7)
<File>MyFile.txt	Sending the file content to the printer	* Data transfer
<Random>MyFile.txt	Sending a random line from the selected file	* Random row from file
<BackSpace>	BackSpace command	chr(8)
<Tab>	Tab command	chr(9)
<Cutter>	Activating paper cutter	* Paper cutter
<Delay>	One second delay	* 1 second pause
<KickDrawer>	Open the drawer connected to the printer	* Open the draw
<LimitL20>	Limits to 20 characters from left	
<LimitR30>	Limits to 30 characters from right	
<LimitC40>	Limits and centers to 40 characters	
<Chr00>	Sending symbol with ASCII code 0 (0x00)	chr(0)
<Chr01>	Sending symbol with ASCII code 1 (0x01)	chr(1)
.		
.		
<ChrFE>	Sending symbol with ASCII code 254 (0xFE)	chr(254)
<ChrFF>	Sending symbol with ASCII code 255 (0xFF)	chr(255)
<FontSizeINC>	Increases font size by 1	* Works with driver
<FontSizeDEC>	Decreases font size by 1	* Works with driver
<FontBoldON>	Turns on Bold font	* Works with driver
<FontBoldOFF>	Turns off Bold font	* Works with driver
<FontItalicON>	Turns on Italic font	* Works with driver

<FontItalicOFF>	Turns off Italic font	* Works with driver
<ASK>	Question for printing the selected receipt	
<Calc><[ИЗРАЗ]></Calc>	Calculation of basic expressions. The result is rounded to an integer	
<CalcPrice><[ИЗРАЗ]></CalcPrice>	Calculation of basic expressions. The result is rounded to 0.00	
<CalcQty><[ИЗРАЗ]></CalcQty>	Calculation of basic expressions. The result is rounded to 0000	
<Format0><[ИЗРАЗ]></Format0>	Rounds (format) the expression to an integer	1
<Format0.0><[ИЗРАЗ]></Format0.0>	Rounds (Format) expression to 0.0	1.2
<Format0.00><[ИЗРАЗ]></Format0.00>	Rounds (Format) expression to 0.00	1.23
<Format0.000><[ИЗРАЗ]></Format0.000>	Rounds (Format) expression to 0.000	1.234
<Format0.0000><[ИЗРАЗ]></Format0.0000>	Rounds (Format) expression to 0.0000	1.2345
<Format0.00000><[ИЗРАЗ]></Format0.00000>	Rounds (Format) expression to 0.00000	1.23456
<Format0.000000><[ИЗРАЗ]></Format0.000000>	Rounds (Format) expression to 0.000000	1.234567
<Symbol>[Символ]	Repeats the first character after the script line by the number of positions on a line	*****
<Counter>	Independent counter of the receipts	
<ServiceChargePercent>	Percentage service	
<Note>	Printing note to the operation at the Location site	
<FreeText>	Printing of random text in the receipt.	
<Exec>	Performs an external file or application	
<EAN13>	Prints barcode for the next 12 digits	
<Barcode>	Prints barcode for the next 12 or 13 digits	
<Barcode39>	Prints random barcode	
<Null>	Ends string	

\* The values can be filled in the fields Header1-Header8 and Footer1-Footer8

\*The values are replaced when printing the document on a printer

\* Not every printer supports all of these comandns

### 3. Description of macros in the details (for each item 1 row is generated)

Script	Description
<ItemName>	Item Name
<ItemCode>	Item Code
<ItemGroup>	Item Group
<ItemPrice>	Item Price
<ItemPriceNet>	Unit Price without VAT (with discount applied)
<ItemPriceFull>	Unit price of the product (no discount applied)
<ItemPriceNetFull>	Unit Price without VAT (no discount applied)
<ItemQty>	Item Quantity
<ItemTotal>	Line Total
<ItemTotalNet>	Sum of lines without VAT (with discount applied)
<ItemTotalFull>	Amount of line (no discount applied)
<ItemTotalNetFull>	Sum of lines without VAT (no discount applied)
<ItemVATCode>	VAT Group code
<ItemVATPercent>	VAT Percentage
<ItemDiscountTotal>	Discount for a particular commodity - absolute
<ItemDiscountPercent>	Discount for a particular commodity - absolute value
<ItemDiscountTotalNet>	Discount for a commodity without VAT
<ItemDescription>	Item Description

#### 4. Description of the macros in the total (for each amount and tax group 1 row is generated)

Script	Description
<Total>	Document Total
<TotalCaption>	Total Caption
<TotalNet>	Total sum of the document without VAT (with discount applied)
<TotalCaptionNet>	Subject to the amount of document without VAT (with discount applied)
<TotalFull>	Sum of the document (with discount applied)
<TotalNetFull>	Total sum of the document without VAT (no discount applied)
<TotalDiscount>	Amount of discount = <TotalNoDiscounted> - <Total>
<TotalNetDiscount>	Amount of discount without VAT = <TotalNoVATNoDiscounted> - <TotalNoVAT>
<TotalDiscountPercent>	Discount Percent
<Change>	Change
<ChangeCaption>	Change Caption
<Payments>	Total
<PaymentsCaption>	Payments Caption
<VATCaption>	VAT Caption
<VATCode>	VAT Code
<VATPercent>	VAT group Percent
<VATBase>	Base on which is added % VAT
<VATValue>	VAT Value
<VATTotal>	Sum of <VATValue>, which exist in the document
<TotalOverAll>	Total amount for intermediate note for a client
<KitchenReceiptCaption>	Title on intermediate note for kitchen
<TotalPrevBalance>	Previous subtotal in restaurant mode
<VatValueNet>	Shows the amount on which VAT is charged at different VAT groups

**Microinvest 2013**