



**Brzo i efikasno povezivanje fiskalne kase/šampača  
sa korisničkom aplikacijom**



## Link program *iPrint*

iPrint je namenjen povezivanju fiskalnog uređaja (fiskalne kase DP-05/25/35/45 ili fiskalnog štampača FP-550+/FP-600) sa Windows PC računarom.

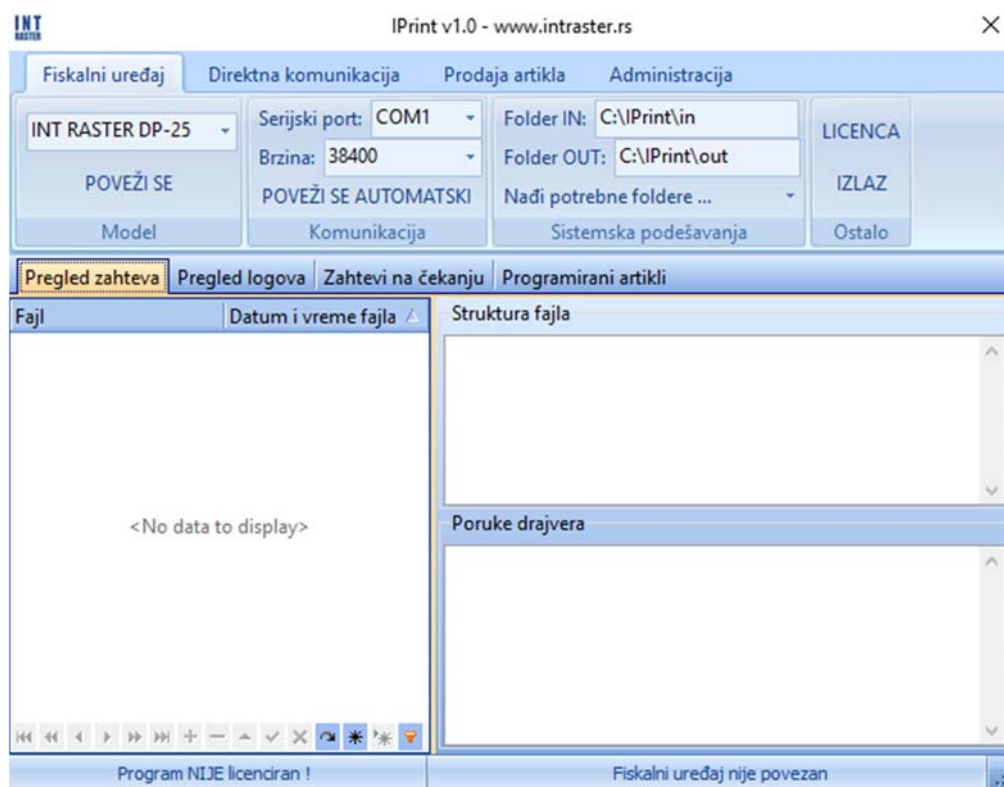
iPrint je u potpunosti kompatibilan sa FprintWin programom i izvršava sve fajlove koje su inicijalno kreirani za FprintWin !



*Kasi mogu da se šalju komande direktno na serijski-RS232 port (opis komandi je u Korisničkom uputstvu) ili preko programa iPrint.*

*Int Raster fiskalne kase i štampači imaju RS232 priključak, a adapter USB-RS232 (Datecs) je opcionalan.*

Program iPrint je, nakon startovanja sa administratorskim privilegijama, u rezidentnom modu.



Nakon pokretanja, potrebno je podesiti:

1. Model kase
2. Serijski port na računaru na kome je povezana kasa
3. Brzina komunikacije



*Na modelima DP-05/25/35/45 fabrička brzina komunikacije je 38.400 bps  
Na modelu FP-600 fabrička brzina komunikacije je 57.600 bps  
Na modelu FP-550+ fabrička brzina komunikacije je 19.200 bps*

4. Folder IN (folder u kome će korisnička aplikacija slati TXT fajlove sa komanda kase)
5. Folder OUT (folder u kome će se vraćati TXT fajl - odgovor od kase sa statusom izvršenja)
6. LICENCA – unos licence neophodne za rad programa.  
Bez licence iPrint štampa 3 isečka, a zatim je potreban restart programa.



*Za dobijanje licence potrebno je pročitati broj iz kase klikom na "Pročitaj broj iz fiskalne kase", a zatim se obratiti ovlašćenom servisu za dobijanje licence.*

Izborom "POVEŽI SE", a zatim "POVEŽI SE AUTOMATSKI", nakon svakog novog pokretanja iPrint-a, nije potrebno ponovo podešavati ove parametre.

## Opis rada iPrint-a

Korisnička aplikacija kreira tekstualni fajl odgovarajućeg formata (u nastavku je detaljan opis sa primerima) koji sadrži komande za izdavanje Fiskalnog isečka, Preseka stanja, Dnevnog izveštaja, Periodičnog izveštaja ili druge komande.

Ovaj fajl može biti proizvoljnog naziva i ekstenzije (nije neophodna TXT ekstenzija) i snima se u folder ranije definisan kao „Folder IN“.

iPrint ove fajlove automatski šalje na izvršenje fiskalnoj kasi, po redosledu pristizanja u folder.

U levom delu iPrint-a mogu se videti svi fajlovi koji čekaju na izvršenje.

U centralnom delu mogu se videti pojedinačne komande unutar fajla koje se trenutno izvršavaju, a ispod je odgovor kase na zadatu komandu – uspešno ili neuspešno izvršenje.



*Jedan fajl može sadržati više komandi i više računa, uobičajeno je jedan račun=jedan fajl.*

Dakle, da bi korisnička aplikacija (odakle se izdaju fiskalni računi) mogla štampati fiskalne isečke i ostale izveštaje na fiskalnoj kasi pomoću link programa iPrint, mora da zadovolji sledeće:

1. Kreira fiskalni isečak u obliku TXT fajla i snimi u “Folder IN”
2. (opciono) Pročita odgovor fiskalne kase iz “Foldera OUT” i na osnovu njega preduzima dalje akcije. Npr. ako je štampanje isečka neuspešno, izbaci poruku sa greškom (“Nema papira” i sl.) i čeka na otklanjanje greške a zatim pokuša opet štampu.

### VAŽNA NAPOMENA:




U slučaju neuspešnog štampanja isečka iz bilo kog razloga, program iPrint **neće** samostalno preduzimati nikakve akcije na zatvaranju započetog isečka, nakon otklanjanja zastoja. Zatvaranje isečka ili nastavak započetog isečka je u isključivoj nadležnosti korisničke aplikacije, koja bi trebalo da, obradom odgovora od kase, utvrdi da li je fiskalni isečak uspešno odštampan.

## Ostale funkcije iPrint-a

- Štampa osnovnih fiskalnih dokumenata

INT  
IPrint v1.0 - www.intraster.rs

Fiskalni uređaj    Direktna komunikacija    Prodaja artikla    Administracija

      OD: 22.08.17    Iznos: 0,00    ZATVORI RAČUN  
PRESEK STANJA    DNEVNI IZVEŠTAJ    IZVEŠTAJ O ARTIKLIMA    DO: 22.08.17    SLUŽBENA UPLATA    OTVORI FIOKU  
ŠTAMPAJ    SLUŽBENA ISPLATA    OBRISI ARTIKLE  
Fiskalni izveštaji    Periodični izveštaji    Uplata/Isplata    Ostale funkcije

Pregled zahteva    Pregled logova    Zahtevi na čekanju    Programirani artikli

Fajl    Datum i vreme fajla    Struktura fajla

<No data to display>


Poruke drajvera

Program NIJE licenciran !    Fiskalni uređaj nije povezan

- Prodaja artikala

INT  
IPrint v1.0 - www.intraster.rs

Fiskalni uređaj    Direktna komunikacija    Prodaja artikla    Administracija

Šifra artikla:    Naziv:    Gotovina: 0,00        PRODAJ ARTIKAL  
Poreska stopa: A    Cena: 0,00    Čekovi: 0,00    Kartica: 0,00    Prodaja  
Osnovni podaci    Ostali podaci    Plaćanja

Pregled zahteva    Pregled logova    Zahtevi na čekanju    Programirani artikli

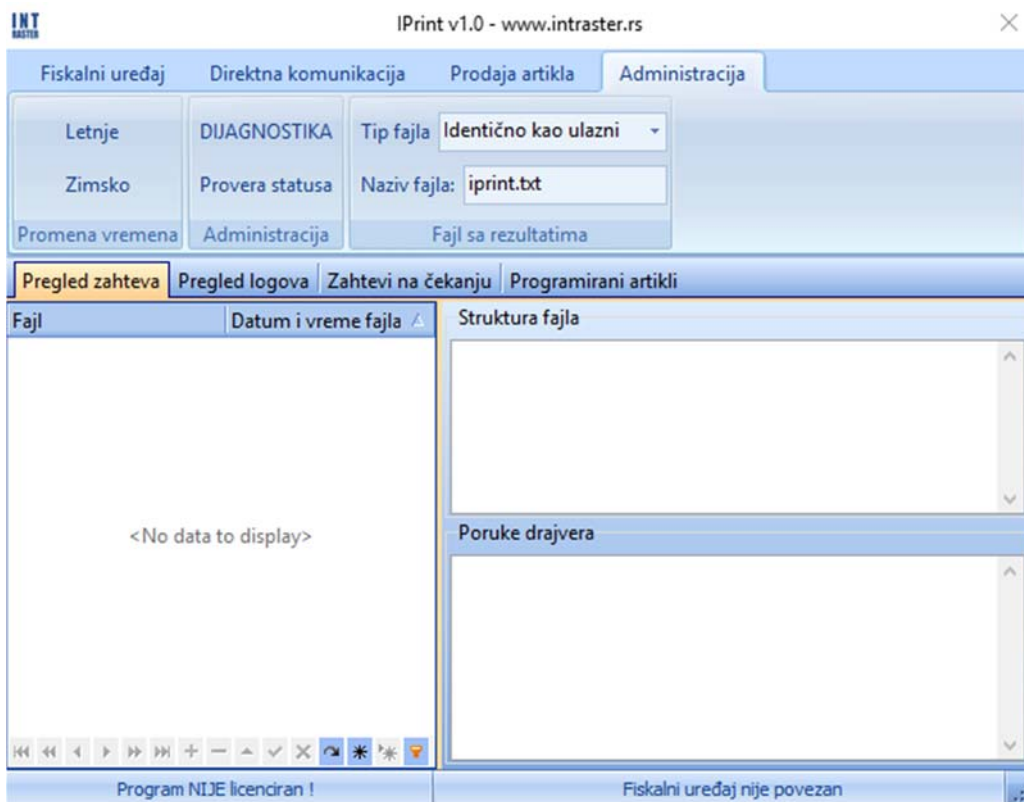
Fajl    Datum i vreme fajla    Struktura fajla

<No data to display>

Poruke drajvera

Program NIJE licenciran !    Fiskalni uređaj nije povezan

- Administracija



Korekcija vremena je moguća kod modela FP-600, dok se kod modela DP-05/25/35/45 korekcija vremena na zimsko/letnje obavlja automatski na fiskalnoj kasi, bez intervencije operatera.

„Tip fajla“ se odnosi na odgovor – TXT fajl koji fiskalna kasa daje nakon svake zadate komande. Ovaj fajl se snima u „Folder OUT“, a naziv fajla može biti:

- Identično kao ulazni
- Proizvoljan naziv (u ovom slučaju se mora definisati polje ispod sa „Nazivom fajla“)
- Datum–vreme naziv (naziv fajla se sastoji od datuma i vremena kreiranja fajla, pa se hronološki može lako pratiti redosled odgovora u odnosu na redosled zadatih fajlova na izvršenje)

## Detaljan opis komandi iPrint-a

### Commands and parameters for DP05, DP25, DP35, DP45 Serbia

**NOTE:** Parameters in < > brackets are mandatory, while those in [ ] brackets are non-mandatory! The brackets by themselves are **not** passed along with the data value.

#### Manage sells

##### "48" – open fiscal receipt

48,1,\_\_\_\_\_,\_,\_;<Operator>;<Password>;<TillNumber>

- > <Operator> – operator number (1-30);
- > <Password> – the operator's password (4 to 8 digits);
- > <TillNumber> - till number (max 5 digits);

The answer file contains the following information:

48,1,\_\_\_\_\_,\_,\_;Total\_Receipts,Fiscal\_Receipts;

- > Total\_Receipts – total number of issued receipts (fiscal and nonfiscal) since the last fiscal closure;
- > Fiscal\_Receipts – total number of issued fiscal receipts (this is the number of the last fiscal receipt);

The command won't be executed if:

- there is already opened receipt;
- the fiscal memory is full;
- the fiscal memory is corrupted;
- the operator's password is wrong;

## "52" – sell programmed items

52,1,\_\_\_\_\_,\_,\_:[+ -]<PLU>[quantity];[Price];

- > [+ -] <PLU> is the PLU number of the item (1-9999). If you pass the PLU number with a minus sign in front of it, the command will cancel the previous sale of that item (the prices of the sold/canceling items must be the same, the quantity can differ, but cannot go below the sold quantity);
- > [quantity] is the quantity to be sold (a number 1.000 ~ 99999.999). If you skip this parameter, the default quantity is used (1.000);
- > if [Price] is higher than zero, then the item is sold with free [Price] instead of the programmed price. The new programmed price is automatically set to [Price];  
**ATTENTION: if you use this free price, you need to program item with Long format of command 107, PriceType=1.**

The printer will not carry out this command if:

- the maximum number of sales (120) within a single receipt is already reached;
- the sum by any of the tax groups is negative;
- a payment has already started;

## "51" – subtotal

51,1,\_\_\_\_\_,\_,\_;

The command shows the sum of the current sells in the receipt on the display.

## "53" – payment

53,1,\_\_\_\_\_,\_,\_:[flag];[amount];

- > [flag] – parameter that determines the type of the payment:
  - value '0' means payment in cash;
  - value '1' means payment via cheque;
  - value '2' means payment via debit card;
- > [amount] – the sum of the payment

The parameters [flag] and [amount] are optional and if you skip them, the command will execute payment in cash with the whole sum of the current receipt.

The command cannot be executed if :

- there is no opened receipt
- the accumulated sum is negative
- the sum for a tax group is negative



## "56" – close fiscal receipt

56,1,\_\_\_\_\_,\_,\_;

The command closes a fiscal receipt, but only if full payment is done.

The answer file contains the following information:

56,1,\_\_\_\_\_,\_,\_;Total\_Receipts,Fiscal\_Receipts;Total sum;

- > Total\_Receipts – total number of issued fiscal receipts since the last fiscal closure;
- > Fiscal\_Receipts – total number of issued fiscal receipts (this is the number of the last fiscal receipt);
- > Total sum of the finished receipt;

## "107" – programming and deleting items, changing price for programmed items

107,1,\_\_\_\_\_,\_,\_;<operation type>[set of parameters, depending on the <operation type>];

Depending on the <operation> parameter, the command has 4 different structures:

> Programming new items - <operation type> = **1** or **4**

– Operation type 1 - Short format

107,1,\_\_\_\_\_,\_,\_;<1>;<Tax group>;<PLU>;<Price>;<Name>;

- **[Tax group]** – a number, defining tax groups:
  - 1 : tax group “A”;
  - 2 : tax group “Г”;
  - 3 : tax group “Д”;
  - 4 : tax group “Б”;
  - 5 : tax group “Е”;
  - 6 : tax group “Ж”;
  - 7 : tax group “И”;
  - 8 : tax group “J”;
  - 9 : tax group “K”;
- **[PLU]** – PLU number of the item 1 – 9999;
- **[Price]** – default price for the item (0.01 – 99999999.99);
- **[Name]** – name of the item, max 22 symbols;

– Operation type 4 – Long format

107,1,\_\_\_\_\_,\_,\_;<4>;<Tax group>;<PLU>;<Price>;<Name>;<**PriceType**>;  
[Flags];<Barcode>;<LinkTo>;

- the first 4 parameters are the same as in the short format (see above, operation type 1);
- **<PriceType>** has three values:
  - 0 - item sale only with programmed price;
  - 1 - sale with programmed or free price;
  - 2 - sale with price less or equal to programmed price. If a sale with free price is made, the free price is automatically set as the new programmed price;
- **[Flags]** can be the symbols “N” or “B” or both. If “N” is present, name matching check is turned off. If “B” is present, barcode matching check is off;
- **<Barcode>** is up to 13 numbers for barcode;
- **<LinkTo>** is a number from 0 to 255, specifying the related item that will be sold alongside the current item. The linked items are sold only if the main item is sold from the ECR keypad manually.

Can be executed only after fiscal closure.

> Deleting items - <operation type> = 2

107,[logical number], ,\_ , <2>[ALL];  
107,[logical number], ,\_ , <2>[PLU];  
107,[logical number], ,\_ , <2>[PLU1];[PLU2];

- [ALL] – if the string “ALL” is passed, the command clears all items;**only in service mode !**
- [PLU] – deletes the selected PLU number;
- you can also delete in range of PLUs – from [PLU1] to [PLU2], where PLU2 > PLU1;

Can be executed only after fiscal closure.

> Change price - <operation type> = 3

107,[logical number],\_\_\_\_\_,\_ ,\_ , <3>[PLU];[New price];

- [PLU] – the item number;
- [New price] – the new price for the item;

## ***Manage the display***

### **"33" – clear the display**

33,1,\_\_\_\_\_,\_,\_;

Clears the display. If there is an opened fiscal receipt and SW4 is OFF, only the bottom row is cleared.

### **"47" – show text on top row of the display**

47,1,\_\_\_\_\_,\_,\_:[text];

> [text] is random text ( 20 symbols max)

If there is an opened fiscal receipt and SW4 is OFF, the command is rejected.

### **"35" – show text on bottom row of the display**

35,1,\_\_\_\_\_,\_,\_:[text];

> [text] is random text ( 20 symbols max)

## **Other commands**

### **"69" – daily fiscal closure**

69,1,\_\_\_\_\_,\_,\_: [Type];

> [Type] determines the report type:

- value '0' means Z report with registry clear
- value '1' means X report without registry clear
- value '2' means X report without registry clear and additional information(e.g. cash input/output sums)

### **"70" – internal input and output of cash**

70,1,\_\_\_\_\_,\_,\_:[+ -][amount];

- > [+ -][amount] – the sum (max 999999.99) of the input/output (the sign + or – defines if its input or output);

### **"79" – fiscal memory report by date**

79,1,\_\_\_\_\_,\_,\_;<Start\_date>;<End\_date>;

- > <Start\_date> – defines the starting date for the report (format DDMMYY);
- > <End\_date> – defines the ending date for the report (format DDMMYY);

### **"105" – report operators**

105,1,\_\_\_\_\_,\_,\_;

Prints informations about the sells by operator.

### **"111" – report items**

111,1,\_\_\_\_\_,\_,\_;<Options>;

- > <Options> – digit, defines the information to be printed:
  - 0 – only informations about sold items during the day is printed (PLU, Name, Sold quantity) ;
  - 1 – all programmed items are printed (PLU, Name, Price);

## "300" – loading items from file

300,1,\_\_\_\_\_,\_,\_:[DeleteAll];[TextOnDisplay];<File name>;

- > [DeleteAll] – digit, defines if all items are cleared before load:
  - 0 – items in the printer's memory are not cleared; (default value if not specified)
  - 1 – items in the printer's memory are cleared;
- > [TextOnDisplay] – text (max 40 symbols), shown on the display while the loading is running;
- > <File name> - string, specifying the location of the file from which the items are loaded;
- Item data structure in the file: (this first row is just description, do not include it in the file)

```
[Tax group];[PLU];[Price];[Name];[PriceType];[Flags];[Barcode];[LinkTo];
```

```
1;1;0.01;Test item 01;0;;0;1;
```

```
1;2;0.02;Test item 02;1;NB;1234567890;1;
```

```
3;3;0.03;Test item 03;1;;0;2;
```

```
3;4;0.04;Test item 04;0;;0;2;
```

```
5;5;0.05;Test item 05;0;;0;2;
```

Sample file is included in the installation, ..\Sample files\Serbia\ folder.

## "350" – execute custom command

350,1,\_\_\_\_\_,\_,\_;<[Input/OutputString]>;

You can execute any of the printer's commands (as described in the User manual) by assembling the command number and parameters into a string that you pass in <[Input/OutputString]>.

Note: command described in User manual represents in this string with corresponding ASCII character. For example: command 69 (dec) represents in input/output string with letter E. Other command parameters follow this character.

Examples:

350,1,\_\_\_\_\_,\_,\_:[E1];

X report

350,1,\_\_\_\_\_,\_,\_:[E0];

Z report

350,1,\_\_\_\_\_,\_,\_:[kPA1,100.00,Artikal];

Programming Artikal, PLU 1, tax A, price 100.00

350,1,\_\_\_\_\_,\_,\_:[kD1];

Deleting item with PLU 1

Note: In “Appendix 1” at the end of this document you can find all commands with decimal and ASCII codes.

## Commands and parameters for FP600 Serbia

**NOTE:** Parameters in < > brackets are mandatory, while those in [ ] brackets are non-mandatory! The brackets by themselves are **not** passed along with the data value.

### Manage sells

#### "38" – open non-fiscal receipt

38,1,\_\_\_\_\_,\_,\_;

The command won't be executed if:

- there is already opened receipt(fiscal or non-fiscal);
- the clock is not set;
- the fiscal memory is not formatted;

In non-fiscal receipts you can only print non-fiscal text.

#### "42" – print non-fiscal text

42,1,\_\_\_\_\_,\_,\_:[text];

> [text] is random text (max 30 symbols)

You can print non-fiscal text only in an opened non-fiscal receipt.

#### "39" – close non-fiscal receipt

39,1,\_\_\_\_\_,\_,\_;

The command won't be executed if there is no opened receipt.

## "48" – open fiscal receipt

48,1,\_\_\_\_\_,\_,\_;<Operator>;<Password>;<TillNumber>

- > <Operator> – operator number (1-8);
- > <Password> – the operator's password (4 to 8 digits);
- > <TillNumber> - till number (max 5 digits);

The answer file contains the following information:

48,1,\_\_\_\_\_,\_,\_;Total\_Receipts,Fiscal\_Receipts;

- > Total\_Receipts – total number of issued receipts (fiscal and nonfiscal) since the last fiscal closure;
- > Fiscal\_Receipts – total number of issued fiscal receipts (this is the number of the last fiscal receipt);

The command won't be executed if:

- there is already opened receipt;
- the max number of receipts per day is already issued;
- the fiscal memory is full;
- the fiscal memory is corrupted;
- the operator's password is wrong;
- the clock is not set;
- the display is not connected;



## "52" – sell items and show on the display

52,1,\_\_\_\_\_,\_,\_ ;[+ -]<PLU>[quantity];[Price];

- > [+ -] <PLU> is the PLU number of the item (max 8 digits). If you pass the PLU number with a minus sign in front of it, the command will cancel the previous sale of that item (the prices of the sold/canceling items must be the same, the quantity can differ, but cannot go below the sold quantity);
- > [quantity] is the quantity to be sold (a number 1.000 ~ 99999.999). If you skip this parameter, the default quantity is used (1.000);
- > if [Price] is higher than zero, then the item is sold with free [Price] instead of the programmed price;

The printer will not carry out this command if:

- the maximum number of sales (512) within a single receipt is already reached;
- the sum by any of the tax groups is negative;
- the display is disconnected
- a payment has already started

## "51" – subtotal

51,1,\_\_\_\_\_,\_,\_;

The command shows the sum of the current sells in the receipt on the display.

## "53" – payment

53,1,\_\_\_\_\_,\_,\_:[flag];[amount];

- > [flag] – parameter that determines the type of the payment:
  - value '0' means payment in cash;
  - value '1' means payment via cheque;
  - value '2' means payment via card;
  
- > [amount] – the sum of the payment

The parameters [flag] and [amount] are optional and if you skip them, the command will execute payment in cash with the whole sum of the current receipt.

The command cannot be executed if :

- there is no opened receipt
- the accumulated sum is negative
- the sum for a tax group is negative
- the display is disconnected

## "56" – close fiscal receipt

56,1,\_\_\_\_\_,\_,\_;

The command closes a fiscal receipt, but only if full payment is done.

The answer file contains the following information:

56,1,\_\_\_\_\_,\_,\_;Total\_Receipts,Fiscal\_Receipts;Total sum;

- > Total\_Receipts – total number of issued receipts (fiscal and reclamation) since the last fiscal closure;
- > Fiscal\_Receipts – total number of issued fiscal receipts (this is the number of the last fiscal receipt);
- > Total sum of the finished receipt;

## "107" – programming and deleting items, changing price for programmed items

107,1,\_\_\_\_\_,\_,\_;<operation type>;[set of parameters, depending on the <operation type>;];

Depending on the <operation> parameter, the command has 3 different structures:

> Programming new items - <operation type> = 1

107,1,\_\_\_\_\_,\_,\_;<1>;[Tax group];[PLU];[Price];[Name];

- [Tax group] – a number, defining tax groups:
  - 1 : tax group “А”;
  - 2 : tax group “Г”;
  - 3 : tax group “Д”;
  - 4 : tax group “Б”;
  - 5 : tax group “Е”;
  - 6 : tax group “Ж”;
  - 7 : tax group “И”;
  - 8 : tax group “Ј”;
  - 9 : tax group “К”;
- [PLU] – PLU number of the item 1 – 81000;
- [Price] – default price for the item (0.01 – 999999999.99);
- [Name] – name of the item, max 32 symbols;

Can be executed only after fiscal closure.

> Deleting items - <operation type> = 2

107,[logical number],\_\_\_\_\_,\_,\_;<2>;[ALL];  
107,[logical number],\_\_\_\_\_,\_,\_;<2>;[PLU];  
107,[logical number],\_\_\_\_\_,\_,\_;<2>;[PLU1];[PLU2];

- [ALL] – if the string “ALL” is passed, the command clears all items; **only in service mode !**
- [PLU] – deletes the selected PLU number;
- you can also delete in range of PLUs – from [PLU1] to [PLU2], where PLU2 > PLU1;

Can be executed only after fiscal closure.

> Change price - <operation type> = 3

107,[logical number],\_\_\_\_\_,\_,\_;<3>;[PLU];[New price];

- [PLU] – the item number;
- [New price] – the new price for the item;

## ***Manage the display***

### **"33" – clear the display**

33,1,\_\_\_\_\_,\_,\_;

Clears the display. If there is an opened fiscal receipt and SW4 is OFF, only the bottom row is cleared.

### **"47" – show text on top row of the display**

47,1,\_\_\_\_\_,\_,\_:[text];

> [text] is random text ( 20 symbols max)

If there is an opened fiscal receipt and SW4 is OFF, the command is rejected.

### **"35" – show text on bottom row of the display**

35,1,\_\_\_\_\_,\_,\_:[text];

> [text] is random text ( 20 symbols max)

### **"63" – show date and time**

63,1,\_\_\_\_\_,\_,\_;

Shows the current date and time on the bottom row of the display(DD.MM.YYYY. HH:MM:SS)

### **"100" – show text on both rows of the display**

100,1,\_\_\_\_\_,\_,\_:[text];

> [text] is random text (40 symbols max)

## **Other commands**

### **"60" – winter/summer time change**

60,1,\_\_\_\_\_,\_,\_:[Flag];

- > [Flag] – one digit value ( 0 or 1 ):
  - value '0' means winter time change (minus one hour);
  - value '1' means summer time change (plus one hour);

The command can be executed only 2 times per year!!!

### **"69" – daily fiscal closure**

69,1,\_\_\_\_\_,\_,\_:[Type];[N][A];

- > [Type] determines the report type:
  - value '0' means Z report with registry clear
  - value '1' means X report without registry clear
  - value '2' means X report without registry clear and additional information(e.g. cash input/output sums)
- > [N][A] – the symbols “N” and “A”. Description:
  - if symbol “A” is present - the accumulated sold quantities of the items are cleared. The items themselves are not cleared;
  - if symbol “N” is present – prohibits the deletion of operator's data when Z report (registry clear) is executed;

### **"70" – internal input and output of cash**

70,1,\_\_\_\_\_,\_,\_:[+ -][amount];

- > [+ -][amount] – the sum (max 999999.99) of the input/output (the sign + or – defines if its input or output);

### **"106" – open the drawer**

106,1,\_\_\_\_\_,\_,\_;

### **"73" – fiscal memory report by memory block number**

73,1,\_\_\_\_\_,\_,\_;<Start\_number>;<End\_number>;<Options>;

- > <Start\_number> – digit, defines the starting record number for the report ;
- > <End\_number> – digit, defines the ending record number for the report;
- > <Options> – digit, defining the option for the report contents:
  - 0 – prints short report;
  - 1 – prints full report without the forbidden VAT groups;
  - 2 – prints full report including forbidden VAT groups;

### **"79" – fiscal memory report by date**

79,1,\_\_\_\_\_,\_,\_;<Start\_date>;<End\_date>;

- > <Start\_date> – defines the starting date for the report (format DDMMYY);
- > <End\_date> – defines the ending date for the report (format DDMMYY);

### **"105" – report operators**

105,1,\_\_\_\_\_,\_,\_;

Prints informations about the sells by operator.

### **"111" – report items**

111,1,\_\_\_\_\_,\_,\_;<Options>;

- > <Options> – digit, defines the information to be printed:
  - 0 – only informations about sold items during the day is printed (PLU, Name, Sold quantity) ;
  - 1 – all programmed items are printed (PLU, Name, Price);

## "84" – print barcode

84,1,\_\_\_\_\_,\_,\_;<Barcode type>;<Data>;

- > <Barcode type> can have the following values:
  - 1 – EAN8, 7 digits. The printer calculates the control sum;
  - 2 – EAN13, 2 digits. The printer calculates the control sum;
  - 3 – Code128, can be between 22 and 42 symbols (with ASCII codes from 32 to 127). The printer calculates the control sum;
  - 4 – ITF, only digits;
  - 5 - ITF, only digits. The printer calculates the control sum;
- > <Data> is the actual data for the barcode, depending on the type;

## "300" – loading items from file

300,1,\_\_\_\_\_,\_,\_;;[DeleteAll];[TextOnDisplay];<File name>;

- > [DeleteAll] – digit, defines if all items are cleared before load:
  - 0 – items in the printer's memory are not cleared; (default value if not specified)
  - 1 – items in the printer's memory are cleared;
- > [TextOnDisplay] – text (max 40 symbols), shown on the display while the loading is running;
- > <File name> - string, specifying the location of the file from which the items are loaded;
  - Item data structure in the file : (sample file is included in the installation);  
[Tax group];[PLU];[Price];[Name]; (this row is just description, do not include it in the file)
    - 1;1;0.01;Test item 01;
    - 1;2;0.02;Test item 02;
    - 3;3;0.03;Test item 03;
    - 3;4;0.04;Test item 04;
    - 5;5;0.05;Test item 05;

## "305" – custom command – add new item/change price of an existing item and then sell it

The command will add new item if none with the specific PLU is found or changes the price of already existing item. After that it will sell the item.

305,1,\_\_\_\_\_,\_,\_;<[PLU]>[quantity];[Price];<Tax group>[Item name];

- > <PLU> is the PLU number of the item (max 8 digits)
  - If there is already programmed item with that PLU, and the price of that item differs from <Price>, then the <Price> will be set as new price for the item;
  - If no item with PLU is found, it will be programmed with <PLU>, <Price>, <Tax group> and <Item name>;
- > [quantity] is the quantity to be sold (a number 1.000 ~ 99999.999). If you skip this parameter, the default quantity is used (1.000);
- > <Tax group> is the tax group for the item (1-9);

The printer will not carry out this command if:

- the maximum number of sales (512) within a single receipt is already reached;
- the sum by any of the tax groups is negative;
- the display is disconnected;
- you try to change the price of already sold item within the same receipt;

## "350" – execute custom command

350,1,\_\_\_\_\_,\_,\_;<[Input/OutputString]>;

You can execute any of the printer's commands (as described in the firmware documentation) by assembling the command number and parameters into a string that you pass in <[Input/OutputString]>.

Note: command described in User manual represents in this string with corresponding ASCII character. For example: command 69 (dec) represents in input/output string with letter E. Other command parameters follow this character.

Examples:

350,1,\_\_\_\_\_,\_,\_;<[E1]>;

X report

350,1,\_\_\_\_\_,\_,\_;<[E0]>;

Z report

350,1,\_\_\_\_\_,\_,\_;<[kPA1,100.00,Artikal]>;

Programming Artikal, PLU 1, tax A, price 100.00

350,1,\_\_\_\_\_,\_,\_;<[kD1]>;

Deleting item with PLU 1

Note: In "Appendix 1" at the end of this document you can find all commands with decimal and ASCII codes.



## Prilog 1 - Hex, DEC i ASCII kodovi komandi

HEX	DEC	Ascii	OPIS	68h	104	h	Nuliranje podataka o operateru
21h	33	!	Brisanje displeja	69h	105	i	Izveštaj po operaterima
22h	34*	"	Zadavanje i štampanje informacija o tehničkom pregledu <sup>1</sup>	6Ah	106	j	Otvaranje fioke
23h	35	#	Prikazivanje teksta na donjem redu displeja	6Bh	107	k	Definisanje i evidentiranje artikala <sup>2</sup>
26h	38	&	Otvaranje nefiskalnog isečka <sup>1</sup>	6Eh	110	n	Dodatna informacija o zadatom danu
27h	39	`	Zatvaranje nefiskalnog isečka <sup>1</sup>	6Fh	111	o	Izveštaj po artiklima
29h	41	)	Upisivanje podešavanja u FLASH memoriju <sup>1</sup>	70h	112	p	Dobijanje informacije o operateru
2Ah	42	*	Štampanje teksta u nefiskalnom isečku <sup>1</sup>	71h	113	q	Dobijanje broja poslednjeg odštampanog dokumenta <sup>2</sup>
2Bh	43*	+	Zadavanje HEADER-a* i FOOTER-a i opcija štampanja <sup>2</sup>	72h	114	r	Dobijanje informacije o dnevnom fisk. izveštaju ili periodu
2Ch	44	,	Pomeranje papira	73h	115	s	Programiranje grafičkog logoa
2Dh	45	-	Sečenje papira	74h	116	t	Ispis blokova iz fiskalne memorije
2Fh	47	/	Prikazivanje teksta na gornjem redu displeja	75h	117	u	Ispis registara evidentirane prodaje iz operativne memorije
30h	48	0	Otvaranje fiskalnog isečka	77h	119	w	Vraća datum i vreme poslednjeg upisa u fiskalnu memoriju
32h	50	2	Poreske stope zadate u odgovarajućem periodu	79h	121*	y	Čitanje bloka programske memorije firmvera <sup>1</sup>
33h	51	3	Kontrolni iznos - međuzbir	7Dh	125	}	Čitanje programske memorije GPRS terminala i nivoa signala <sup>1</sup>
34h	52	4	Registrowanje prodaje i prikazivanje na displeju <sup>2</sup>	7EH	126*	~	Zadavanje konfiguracionih parametara GPRS terminala <sup>1</sup>
35h	53	5	Evidentiranje plaćanja				
38h	56	8	Zatvaranje fiskalnog isečka				
3Ch	60	<	Korekcija časovnika na zimsko/letnje vreme				
3Dh	61*	=	Zadavanje datuma i sata				
3Eh	62	>	Dobijanje informacije o datumu i satu				
3Fh	63	?	Prikazivanje datuma i sata na displeju				
40h	64	@	Podaci o poslednjem dnevnom fiskalnom izveštaju				
41h	65	A	Podaci o iznosima u toku dana				
43h	67	C	Podaci o iznosima u toku dana prema načinu plaćanja				
44h	68	D	Broj slobodnih mesta u fiskalnoj memoriji				
45h	69	E	Dnevni fiskalni izveštaj sa ili bez nuliranja - presek stanja				
46h	70	F	Službena uplata ili podizanje novca				
47h	71	G	Štampanje dijagnostičke informacije				
48h	72*	H	Fiskalizacija				
49h	73	I	Izveštaj fiskalne memorije				
4Ah	74	J	Dobijanje statusa				
4Ch	76	L	Status fiskalne transakcije				
4Fh	79	O	Periodični izveštaj				
50h	80	P	Zvučni signal <sup>2</sup>				
53h	83	S	Zadavanje decimalnih znakova i poreskih stopa				
54h	84	T	Štampanje bar koda u nefiskalnom isečku <sup>1</sup>				
57h	87*	W	Reset operativne memorije <sup>1</sup>				
59h	89	Y	Testiranje fiskalne memorije				
5Ah	90	Z	Vraća dijagnostičku informaciju				
5Bh	91*	[	Programiranje IBFM i broja zemlje <sup>2</sup>				
61h	97	a	Vraća informaciju o zadatim poreskim stopama				
62h	98*	b	Zadavanje poreskog identifikacionog broja – PIB-a				
63h	99	c	Vraća informaciju o zadatom PIB-u				
64h	100	d	Prikazivanje slobodnog teksta na displeju				
65h	101	e	Zadavanje lozinke operatera				
66h	102	f	Zadavanje imena operatera				
67h	103	g	Podaci o tekućem fiskalnom isečku				

### Napomena:

- komande označene \* mogu se izvršiti samo u servisnom režimu rada
- komande označene <sup>1</sup> su nove
- komande označene <sup>2</sup> su dopunjene ili izmenjene
- u koloni Ascii su kodovi koje koristi FPrintWin
- komande označene sivom bojom nisu raspoložive na modelima DP05/25/35

## Prilog 2 – Primeri fajlova koje iPrint izvršava, modeli DP-05/25/35/45

107,1,____,__,;1;1;1;100.00;Test artikal 1;	programiranje artikla, por.grupa 1 (A)
107,1,____,__,;1;4;2;200.00;Test artikal 2;	programiranje artikla, por.grupa 4 (DJ)
107,1,____,__,;1;5;3;300.00;Test artikal 3;	programiranje artikla, por.grupa 5 (E)
107,1,____,__,;4;5;9999;400.00;Test artikal 4;1;[NB];0;0;	programiranje artikla PLU 9999, por.grupa 5 (E), cena 400.00, PriceType=1 (slobodna promena tokom prodaje), flags=NB (bez provere identicnosti naziva i barkoda), barkod=0
48,1,____,__,;1;1;1	otvaranje racuna, operater 1, sifra 1, kasa br.1
52,1,____,__,;1;5;990.00;	prodaja artikla1, kolicina 5, po ceni 990.00 din (prethodno se ovaj artikal mora programirati sa 107, Long format, PriceType=1)
52,1,____,__,;2;3.5;	prodaja artikla2, kolicina 3.5 po ceni koja je ranije definisana komandom 107
52,1,____,__,;3;5.555;	prodaja artikla3, kolicina 5.555
52,1,____,__,;-1;5;	storniranje artikla1, kolicina 5
53,1,____,__,;0;100.00;	placanje gotovinom 100.00 din
53,1,____,__,;1;200.00;	placanje cekom 200.00 din
53,1,____,__,;2;300.00;	placanje karticom 300.00 din
53,1,____,__,;::;	placanje gotovinom celokupnog preostalog iznosa
56,1,____,__,;	zatvaranje racuna
69,1,____,__,;1;	presek stanja
69,1,____,__,;0;	dnevni izvestaj

## Prilog 3 – Primeri fajlova koje iPrint izvršava, model FP-600

### Primer 1

107,1,____,__,;1;1;100.00;Test artikal 1;	programiranje artikla, por.grupa 1 (A)
107,1,____,__,;1;4;2;200.00;Test artikal 2;	programiranje artikla, por.grupa 4 (DJ)
107,1,____,__,;1;5;3;300.00;Test artikal 3;	programiranje artikla, por.grupa 5 (E)
48,1,____,__,;1;0000;1	otvaranje racuna, operater 1, sifra 0000, kasa br.1
52,1,____,__,;1;5;990.00;	prodaja artikla1, kolicina 5, po ceni 990.00 din
52,1,____,__,;2;3.5;	prodaja artikla2, kolicina 3.5 po ceni koja je ranije definisana komandom 107
52,1,____,__,;3;5.555;	prodaja artikla3, kolicina 5.555
52,1,____,__,;-1;5;	storniranje artikla1, kolicina 5
53,1,____,__,;0;100.00;	placanje gotovinom 100.00 din
53,1,____,__,;1;200.00;	placanje cekom 200.00 din
53,1,____,__,;2;300.00;	placanje karticom 300.00 din
56,1,____,__,;	zatvaranje racuna
69,1,____,__,;1;	presek stanja
69,1,____,__,;0;	dnevni izvestaj

### Primer 2

48,1,____,__,;1;0000;1	otvaranje racuna, operater 1, sifra 0000, kasa br.1
305,1,____,__,;1;1.000;100.00;4;Test artikal 1;	programiranje i prodaja artikla 1, kolicina 1.000, cena 100.00 din., por.grupa 4 (DJ), naziv "Test artikal 1"
53,1,____,__,;0;100.00;	placanje gotovinom 100.00 din
56,1,____,__,;	zatvaranje racuna