USER MANUAL

TG2480H



CUSTOM S.p.A. Via Berettine 2/B

43010 Fontevivo (PARMA) - Italy

Tel.: +39 0521-680111 Fax: +39 0521-610701 http: www.custom.biz

Customer Service Department: Email : support@custom.it

© 2014 CUSTOM S.p.A. - Italy.

All rights reserved. Total or partial reproduction of this manual in whatever form, whether by printed or electronic means, is forbidden. While guaranteeing that the information contained in it has been carefully checked, CUSTOM S.p.A. and other entities utilized in the realization of this manual bear no responsibility for how the manual is used.

Information regarding any errors found in it or suggestions on how it could be improved are appreciated. Since products are subject to continuous check and improvement, CUSTOM S.p.A. reserves the right to make changes in information contained in this manual without prior notification.

The pre-installed multimedia contents are protected from Copyright CUSTOM S.p.A. Other company and product names mentioned herein may be trademarks of their respective companies. Mention of third-party products is for informational purposes only and constitutes neither an endorsement nor a recommendation. CUSTOM S.p.A. assumes no responsibility with regard to the performance or use of these products.

THE IMAGES USED IN THIS MAN-UAL ARE USED AS AN ILLUSTRA-TIVE EXAMPLES. THEY COULDN'T REPRODUCE THE DESCRIBED MODEL FAITHFULLY.

UNLESS OTHERWISE SPECIFIED, THE INFORMATION GIVEN IN THIS MANUAL

ARE REFERRED TO ALL MODELS IN PRODUCTION AT THE ISSUE DATE OF THIS DOCUMENT.

GENERAL SAFETY INFORMATION Your attention is drawn to the following actions that could compromise the characteristics of the product:

- Read and retain the instructions which follow.
- Follow all indications and instructions given on the device.
- Make sure that the surface on which the device rests is stable. If it is not, the device could fall, seriously damaging it.
- Make sure that the device rests on a hard (non-padded) surface and that there is sufficient ventilation.
- When positioning the device, make sure cables do not get damaged.
- Use the type of electrical power supply indicated on the device label. If uncertain, contact your dealer.
- Make sure the electrical system that supplies power to the device is equipped with a ground wire and is protected by a differential switch.
- · Do not block the ventilation openings.
- Do not insert objects inside the device as this could cause short-circuiting or damage components that could jeopardize printer functioning.
- Do not carry out repairs on the device yourself, except for the normal maintenance operations given in the user manual.
- Make sure that there is an easily-accessible outlet with a capacity of no less than 10A closely to where the device is to be installed.
- Periodically perform scheduled maintenance on the device to avoid dirt build-up that could compromise the correct, safe operation of the unit.
- Before any type of work is done on the machine, disconnect the power supply.
- Do not touch the head heating line with bare hands or metal objects. Do not perform any operation inside the printer immediately after printing because the head and motor tend to become very hot.

GENERAL INSTRUCTIONS

CUSTOM S.p.A. declines all responsibility for accidents or damage to persons or property occurring as a result of tampering, structural or functional modifications, unsuitable or incorrect installations, environments not in keeping with the equipment's protection degree or with the required temperature and humidity conditions, failure to carry out maintenance and periodical inspections and poor repair work.



THE CE MARK AFFIXED TO THE PRODUCT CERTIFY THAT THE PRODUCT SAT-ISFIES THE BASIC SAFETY REQUIREMENTS.

The device is in conformity with the essential Electromagnetic Compatibility and Electric Safety requirements laid down in Directives 2006/95/CE and 2004/108/CE inasmuch as it was designed in conformity with the provisions laid down in the following Standards:

- EN 55022 Class B (Limits and methods of measurements of radio disturbance characteristics of Information Technology Equipment)
- EN 55024 (Information Technology Equipment – Immunity characteristics – Limits and methods of measurement)
- EN 60950-1 (Safety of information equipment including electrical business equipment)



The crossed-out rubbish bin logo means that used electrical and electronic products shall NOT be mixed with unsorted municipal waste. For more detailed information about recycling of this product, refer to the instructions of your country for the disposal of these products.

- Do not dispose of this equipment as miscellaneous solid municipal waste, but arrange to have it collected separately.
- The re-use or correct recycling of the electronic and electrical equipment (EEE) is important in order to protect the environment and the wellbeing of humans.
- In accordance with European Directive WEEE 2002/96/EC, special collection points are available to which to deliver waste electrical and electronic equipment and the equipment can also be handed over to a distributor at the moment of purchasing a new equivalent type.
- The public administration and producers of electrical and electronic equipment are involved in facilitating the processes of the re-use and recovery of waste electrical and electronic equipment through the organisation of collection activities and the use of appropriate planning arrangements.
- Unauthorised disposal of waste electrical and electronic equipment is punishable by law with the appropriate penalties.



The format used for this manual improves use of natural resources reducing the quantity of necessary paper to print this copy.



For details on the commands, refer to the manual with code. **7720000001100**

TABLE OF CONTENTS

1	INTRODUCTION	. 9
1.1	Document structure	. 🤉
1.2	Explanatory notes used in this manual	
2	DESCRIPTION	11
_		
2.1	Box content	
2.2	Device components	
2.3	Product label	
2.4	Key functions: power up	
2.5	Key functions: standby	
2.6	Status led flashes	17
_	INICTALL ATION	
3	INSTALLATION	19
3.1	Fastening	19
3.2	Paper roll holder assembly	21
3.3	Collections	23
3.4	Pinout	24
3.5	Driver and SDK	26
4	OPERATION	27
4.1	Device opening	27
4.2	Device closing.	
4.3	Adjusting paper width	
4.4	Adjusting paper stock	
4.5	Switch the device ON	32
4.6	Loading the paper roll	33
4.7	Anti-jamming system	35
4.8	Issuing ticket	36
5	CONFIGURATION	47
5.1	Configuration mode	
5.2	Setup report	
5.3	Printer status.	
5.4	Printer status.	
	·	53



6	MAINTENANCE	55
6.1	Paper jam	55
6.2	Planning of cleaning operations	58
6.3	Cleaning	59
6.4	Upgrade firmware	63
7	SPECIFICATION	65
7.1	Hardware specifications	65
7.2	Character specifications	68
7.3	Device dimensions	68
7.4	Power supply dimensions cod.963GE020000003 (optional)	71
7.5	Paper specification	72
7.6	Character sets	73
8	CONSUMABLES	81
9	ACCESSORIES	83
9.1	Adapter cable for power supply	84
10	ALIGNMENT	85
10.1		
10.2		
10.3	9 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
11	TECHNICAL SERVICE	91



1 INTRODUCTION

1.1 Document structure

This document includes the following chapters:

INTRODUCTION information about this document

2 DESCRIPTION general description of device

3 INSTALLATION information required for a correct installation of the device

4 OPERATION information required to make the device operative

5 CONFIGURATION description of the configuration parameters of the device

6 MAINTENANCE information for a correct periodic maintenance

7 SPECIFICATION technical specification for the device and its accessories

8 CONSUMABLES description and installation of the available consumables for the device

9 ACCESSORIES description and installation of the available accessories for the device

10 ALIGNMENT information required for managing the paper alignment

11 TECHNICAL SERVICE information required for contacting the technical service

1.2 Explanatory notes used in this manual

NOTE: Gives important information or suggestions relative to the use of the device

ATTENTION: Gives information that must be carefully followed to guard against damaging the device

Gives information that must be carefully followed to guard against operator injury or damage



DANGER:

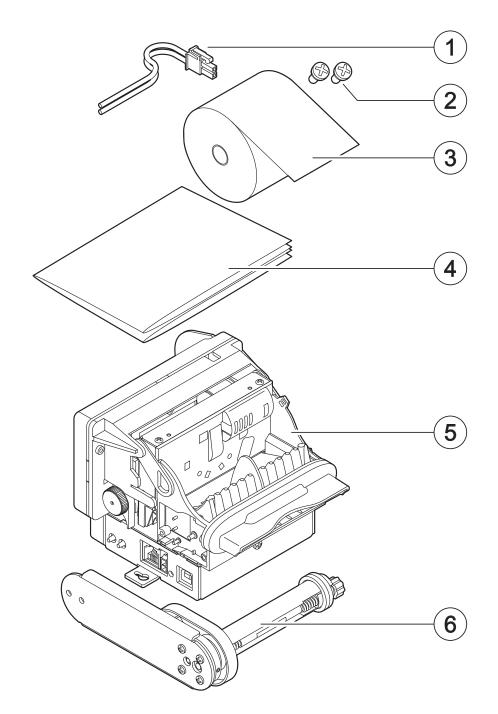
2 DESCRIPTION

2.1 Box content

Remove the device from its carton being careful not to damage the packing material so that it may be re-used if the printer is to be transported in the future.

Make sure that all the components illustrated below are present and that there are no signs of damage. If there are, contact Customer Service

- 1. Power supply cable
- 2. Fixing screws for paper roll holder
- 3. Paper roll
- 4. Installation instruction sheet
- 5. Device (all models)
- 6. Paper roll holder



- · Open the device packaging.
- Take out the device.
- Take out the rest of the content.
- Keep the box, trays and packing materials in the event the printer must be transported/shipped in the future.

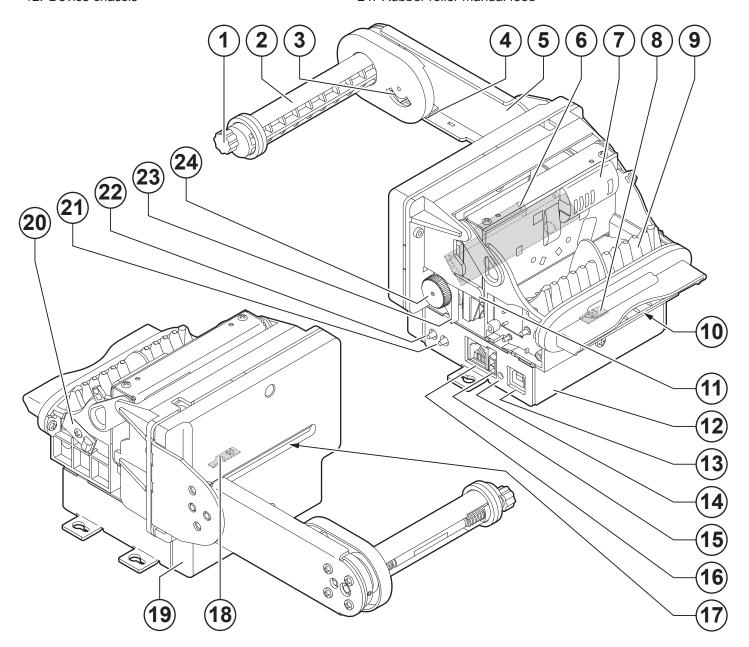


2.2 Device components

Standard model

- 1. Paper width adjustment
- 2. Paper roll holder pin
- 3. Near paper end sensor
- 4. Lever for paper stock adjustment
- 5. Paper roll holder
- 6. Printing head
- 7. Cutter group
- 8. Ticket withdrawal sensor
- 9. Inspection door
- 10. Paper out
- 11. Unlocking hook for cutter group
- 12. Device chassis

- 13. USB port
- 14. Status led
- 15. Power supply port
- 16. Serial port
- 17. Paper in
- 18. Paper in presence and black mark sensor
- 19. Rear cover
- 20. Paper jam sensor
- 21. FEED key
- 22. PRINT key
- 23. Unlocking lever for rubber roller
- 24. Rubber roller manual feed

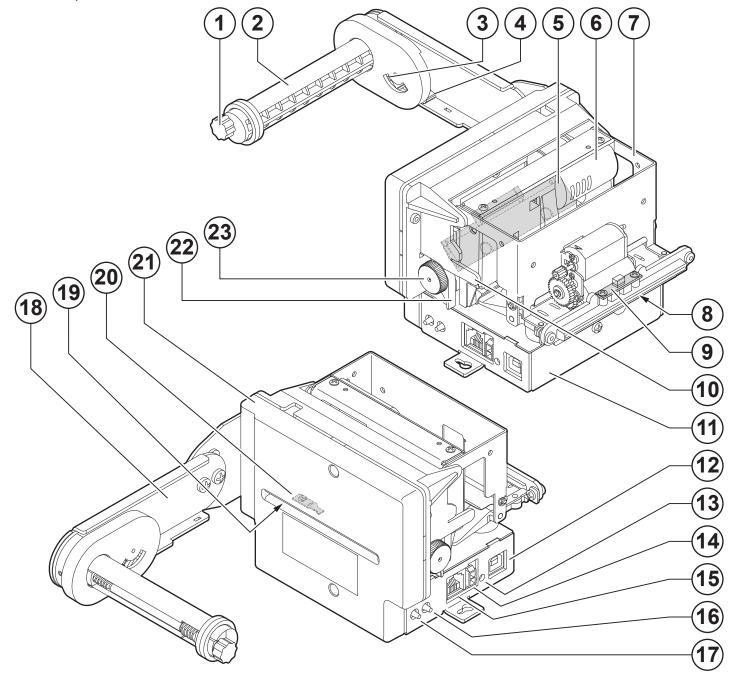




Model with motorized ejector

- 1. Paper width adjustment
- 2. Paper roll holder pin
- 3. Near paper end sensor
- 4. Lever for paper stock adjustment
- 5. Printing head
- 6. Cutter group
- 7. Ejector group
- 8. Paper out
- 9. Paper out presence sensor
- 10. Unlocking hook for cutter group
- 11. Device chassis
- 12. USB port

- 13. Status led
- 14. Power supply port
- 15. Serial port
- 16. FEED key
- 17. PRINT key
- 18. Paper roll holder
- 19. Paper in
- 20. Paper in presence and black mark sensor
- 21. Rear cover
- 22. Unlocking lever for rubber roller
- 23. Rubber roller manual feed



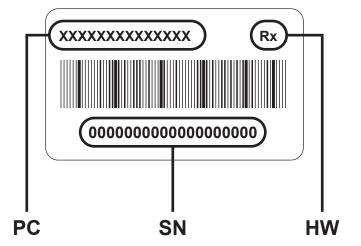


2.3 Product label

PC = Product code (14 digits)

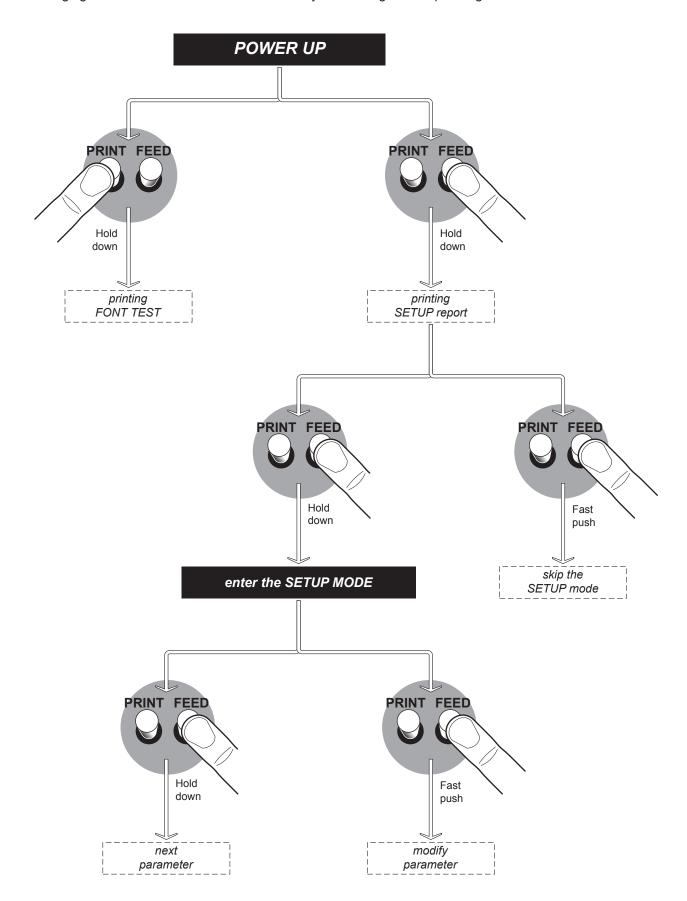
SN = Serial number

HW = Hardware release



2.4 Key functions: power up

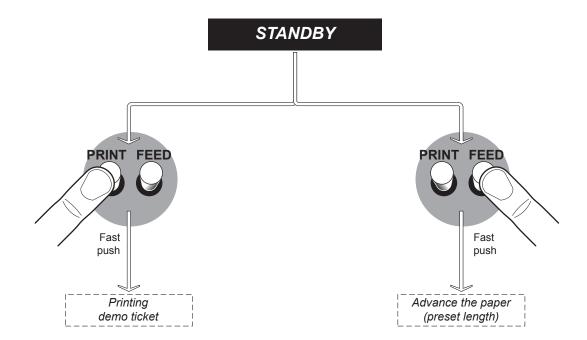
The following figure shows the functions of device's keys according to the operating condition.





2.5 Key functions: standby

The following figure shows the functions of device's keys according to the operating condition.



2.6 Status led flashes

The Status led indicates hardware status of device. Given in the table below are the various led signals and the corresponding device status.

STATUS LED			DESCRIPTION
-		OFF	DEVICE OFF
GREEN		ON	DEVICE ON: NO ERROR
		x 1	RECEIVE DATA
		x 2	HEADING OVER TEMPERATURE
		x 3	PAPER END
		x 4 POWER SUPPLY VOLTAGE	POWER SUPPLY VOLTAGE INCORRECT
GREEN COMMUNICATION		x 5	RECEPTION ERROR (PARITY, FRAME ERROR, OVERRUN ERROR)
STATUS		x 6	COMMAND NOT RECOGNIZED
		x 7	COMMAND RECEPTION TIME OUT
		x 8	INSPECTION DOOR OPEN (1)
		x 9	PAPER JAM (1)
		x 10	NEAR PAPER END
GREEN UNRECOVERABLE ERROR		x 11	CUTTER ERROR

N	0	т	ᆮ	
IΝ	v	ш	ᆫ	

^{(1):} Only for standard models.

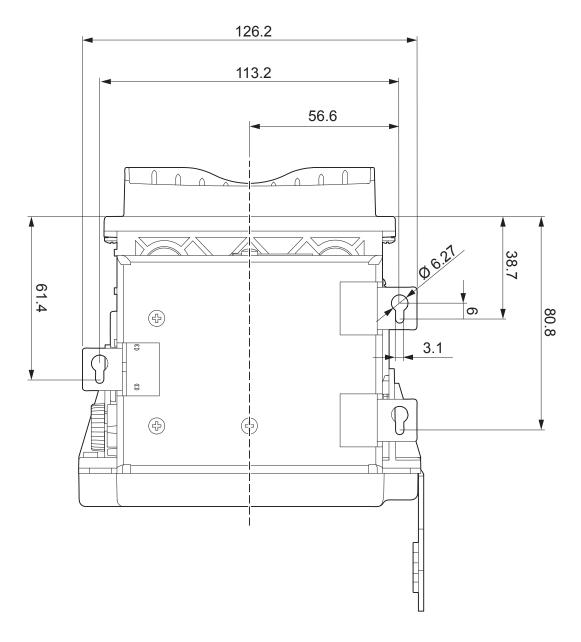


3 INSTALLATION

3.1 Fastening

Standard model

The device is provided with three fixing holes on the bottom of device (see following figure). To fasten the device on a panel, use three M3 screws.

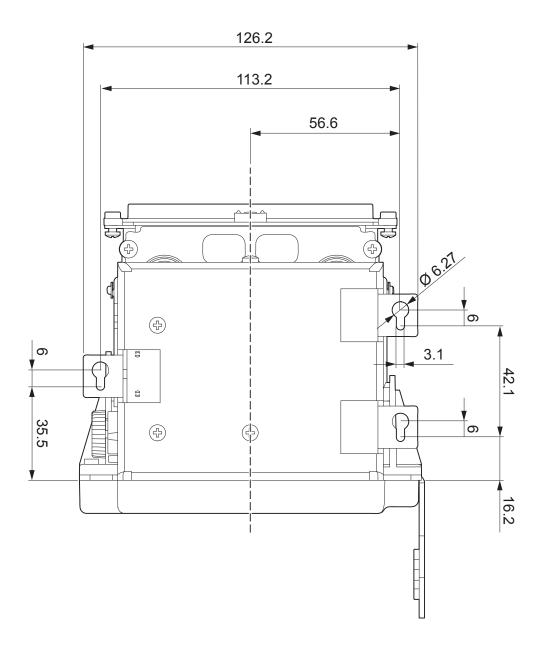


NOTE: All the dimensions shown in figure are in millimetres.



Model with motorized ejector

The device is provided with three fixing holes on the bottom of device (see following figure). To fasten the device on a panel, use three M3 screws.

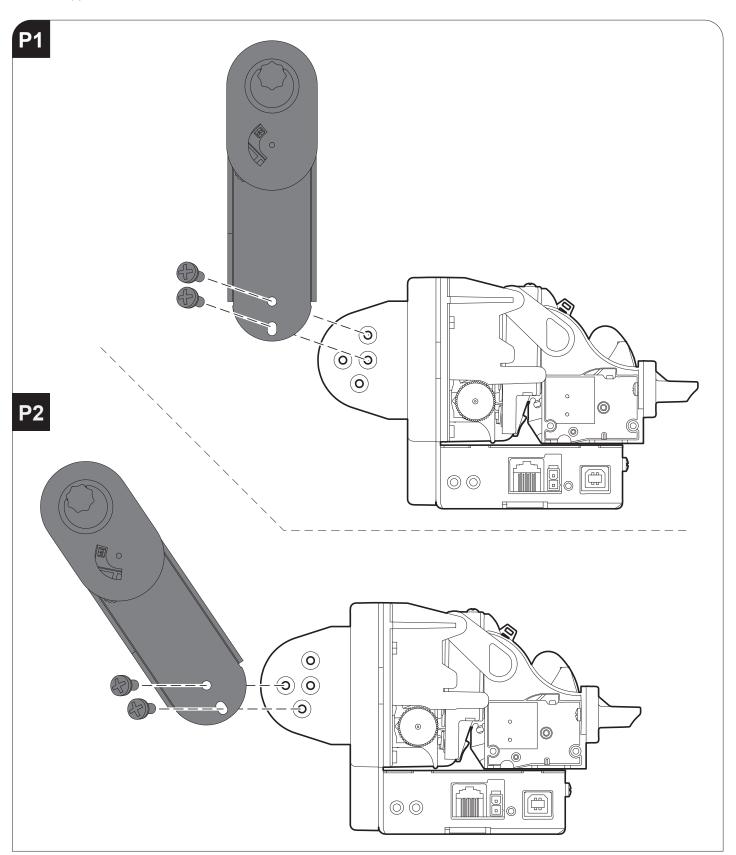


NOTE: All the dimensions shown in figure are in millimetres.

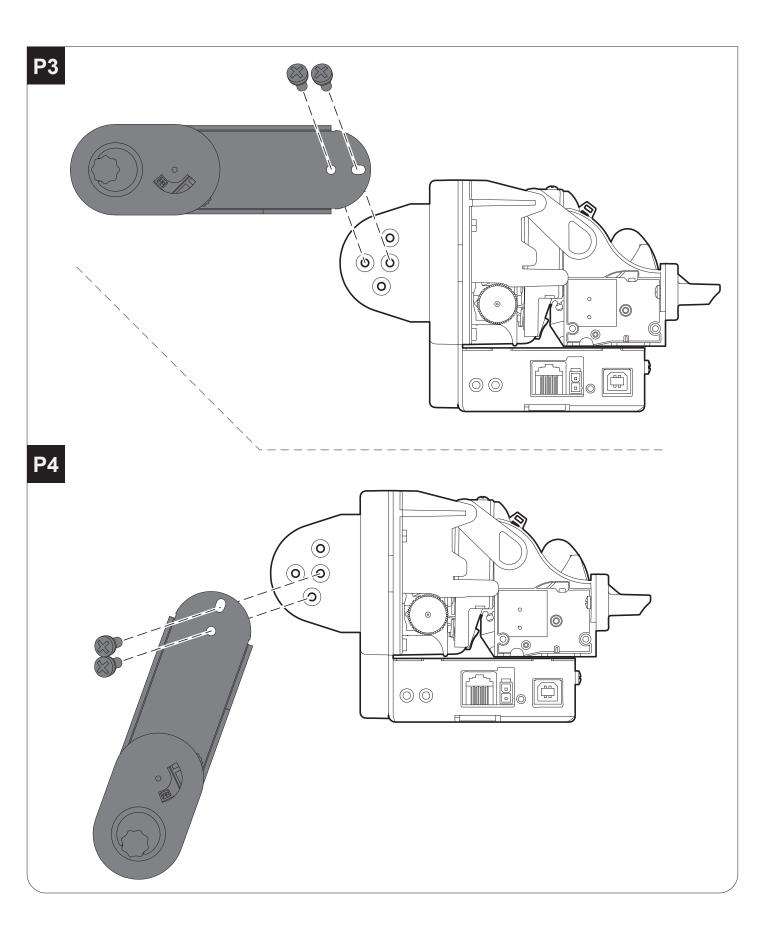
3.2 Paper roll holder assembly

The paper roll holder position is adjustable on four different positions: upper position P1, rotated upward P2, rear P3, rotated downward P4.

Fix the paper roll holder to the device holes shown in figure according to the desired position by using the two M4x6 fixing screws supplied.



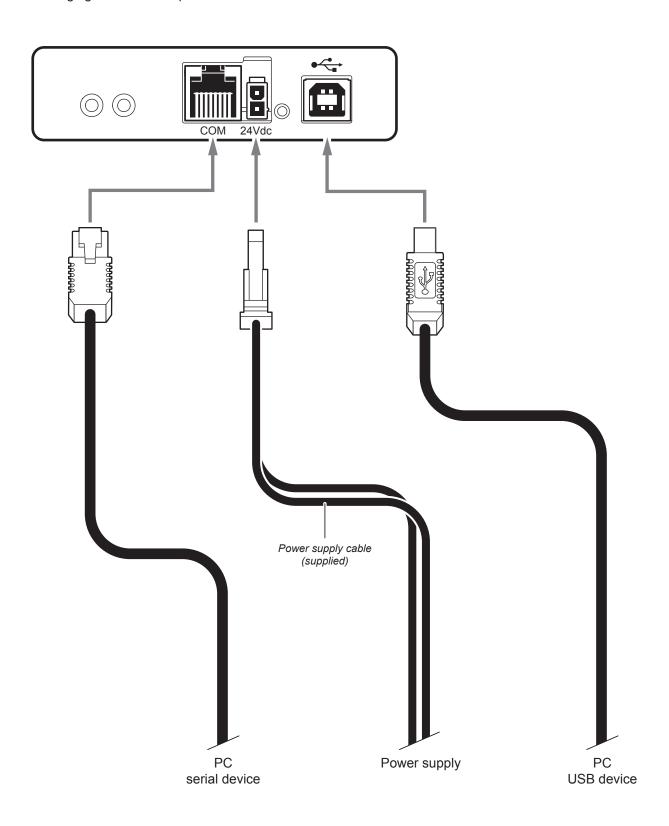




ATTENTION: While assembly the paper roll holder check the cable path (near paper end sensor) is correct. Incorrect positions of the cable could cause damage on it.

3.3 Collections

The following figure shows the possible connections for the device.



ATTENTION: In some using conditions, we recommend the installation of a ferrite core on the power supply cable.

NOTE: If RS232 and USB connectors are inserted, communication port is USB.



3.4 Pinout



POWER SUPPLY

Male Molex connector series 5569 vertical (n° 39-30-1020)

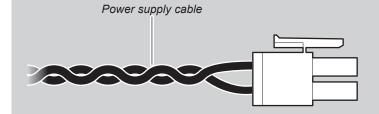


ATTENTION:

Respect power supply polarity.

NOTE: Power supply cable

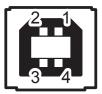
The following figure shows the connector pinout of the power supply cable for the device:





Female Molex connector series 5557 (n.39-01-3022)

PIN	Cable color	Signal
1	Red	+24V
2	Black	GND



USB INTERFACE

Female USB type B connector

	1	USB-ON	(in)
	2	D0 -	(in/out)
14	3	D0 +	(in/out)
J1	4	GND	
	SH1	SHIELD	
	SH2	SHIELD	



SERIAL INTERFACE

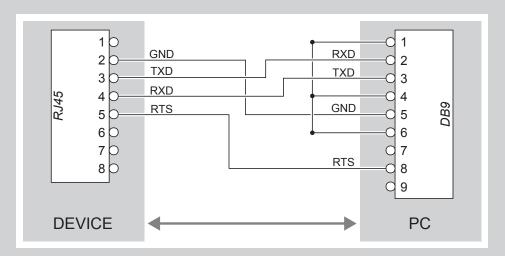
Female RJ45 connector

	1	n.c.		
	2	GND		
	3	тх	(out)	During transmission, takes the value "0" and "1", depending on data
	4	RX	(in)	During reception, takes the value "0" and "1", depending on data
J15	5	RTS	(out)	When "1", printer is ready to receive data
	6	n.c.		
	7	n.c.		
	8	n.c.		

NOTES

DEVICE > PC connection

The following picture shows an example of connection between the device and a personal computer using an 8 pin serial RJ45 male connector and a 9 pin female connector.



When use a serial cable, we recommend the installation of a ferrite core on the power supply cable.

Given the presence of the RS232 standard, logic value "0" corresponds to a voltage level of between +3 Vdc and +15 Vdc and logic value "1" corresponds to a voltage level of between -3 Vdc and -15 Vdc.



3.5 Driver and SDK

The drivers are available for the following operating system:

OPERATING SYSTEM	DESCRIPTION	INSTALLATION PROCEDURE
	Driver for Windows XP	
Windows	Driver for Windows VISTA (32/64bit)	From the START menu, press Run
	Driver for Windows 7 (32/64bit)	and type-in the path where the SW was saved on your PC, then click OK. Follow the instructions that appear
	Driver for Windows 8 (32/64bit)	on the screen to install the driver.
	Opos	
Linux		Follow the instruction get back on the README.TXT file. You can find it in the software package downloaded in advance.
Android	Library for CustomAndroidAPI	Extract the zipped folder to the destination path desired. Follow the instructions present in the software package that you downloaded on how to install and use the library.

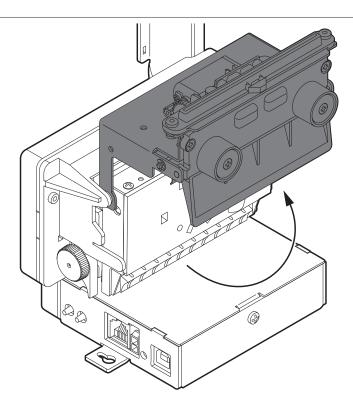
NOTE:

All drivers can be found in the DOWNLOAD section of the web site www.custom.biz.

4 OPERATION

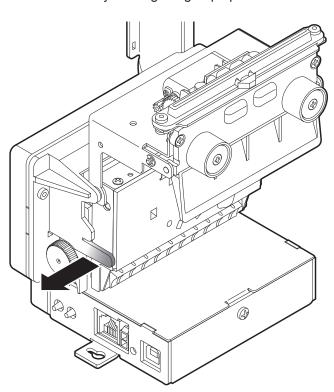
4.1 Device opening

1

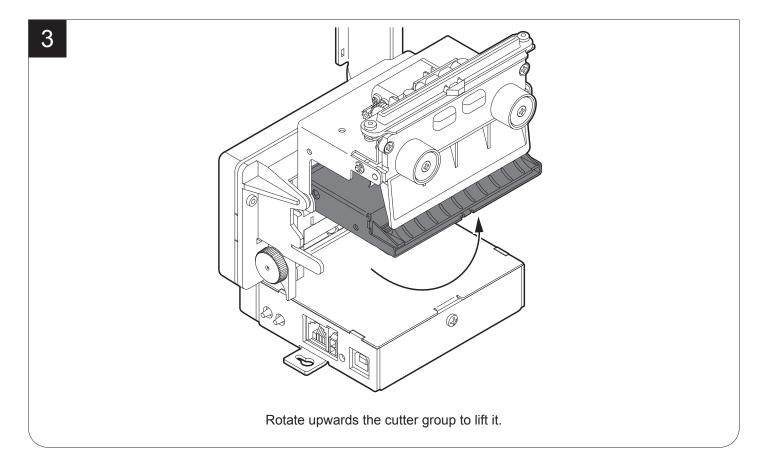


Lift the ejector group by unhooking the magnets on the bottom side and by rotating the group upwards.

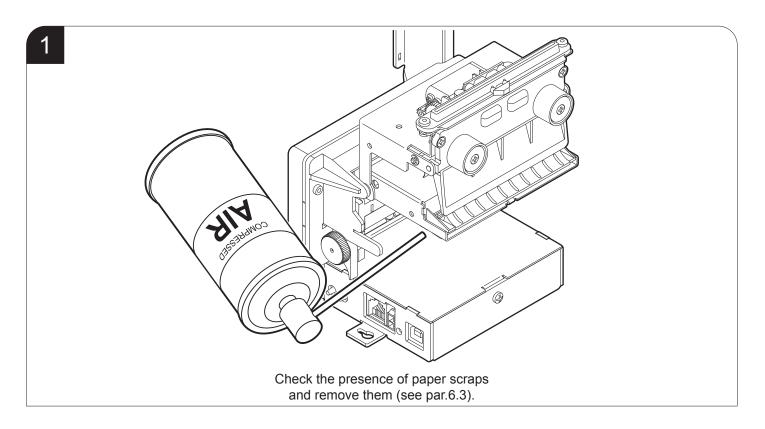
2

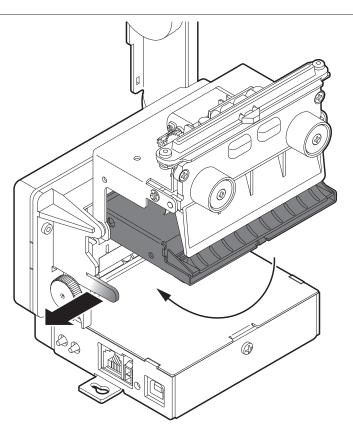


Widen the unlocking hook for the cutter group.



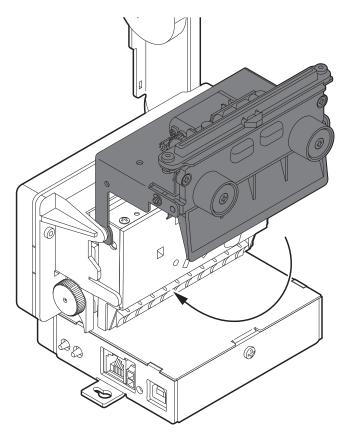
4.2 Device closing





Widen the unlocking hook and close the cutter group.

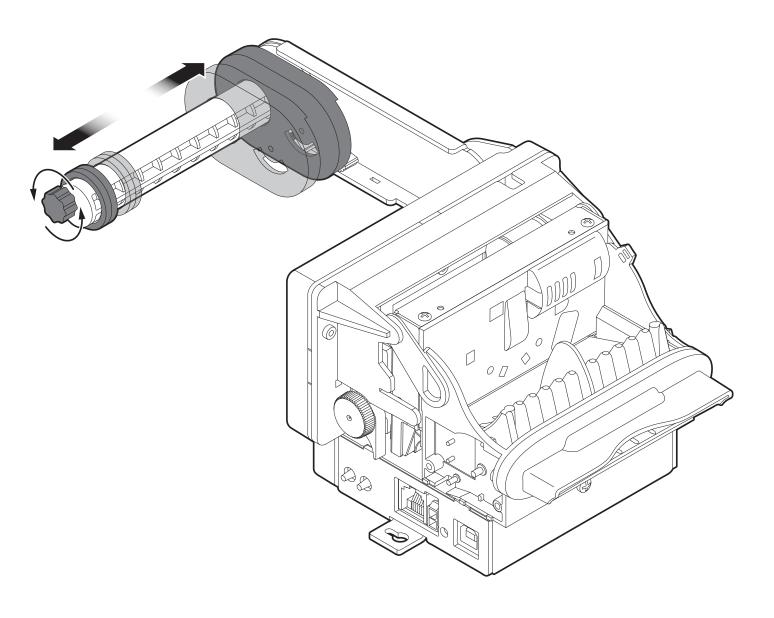




Lower the ejector group and hook the two magnets to the device chassis.

4.3 Adjusting paper width

The device allows the use of paper roll width from 52mm to 80mm. To adjust the width of the paper roll case, rotate the knob as shown in the following figure.



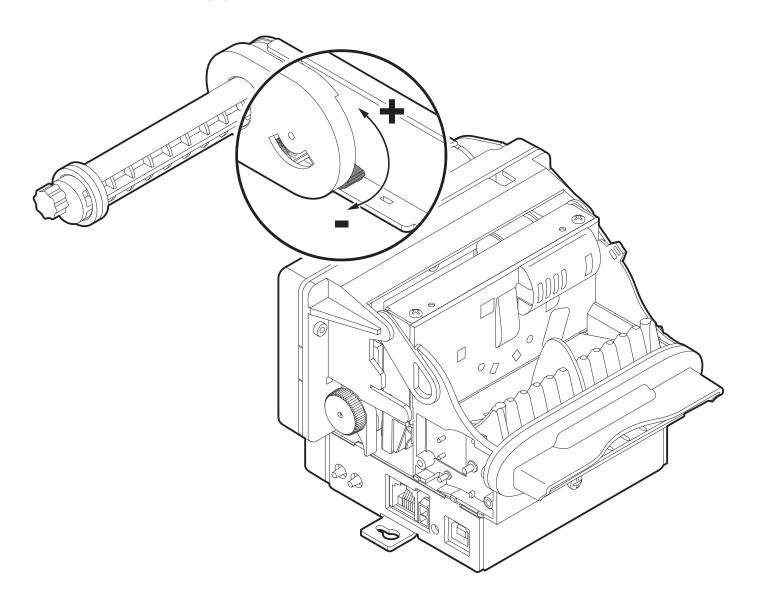
NOTE:

Properly set the value of the "Paper Width" parameter during the Setup procedure (see chapter 5).

4.4 Adjusting paper stock

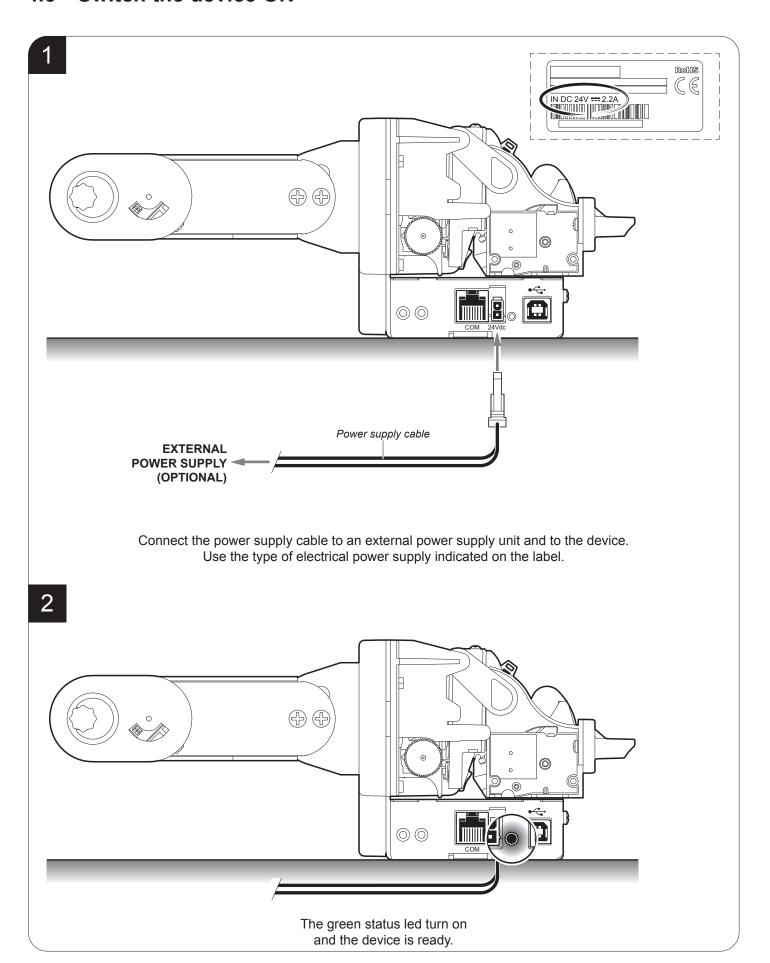
The device allows the move the position of the near paper end sensor to adjust the amount of paper on the roll under which report the near paper end.

Use the lever shown in figure to move the near paper end sensor: move the lever up to increase the paper stock, move the lever down to decrease the paper stock.



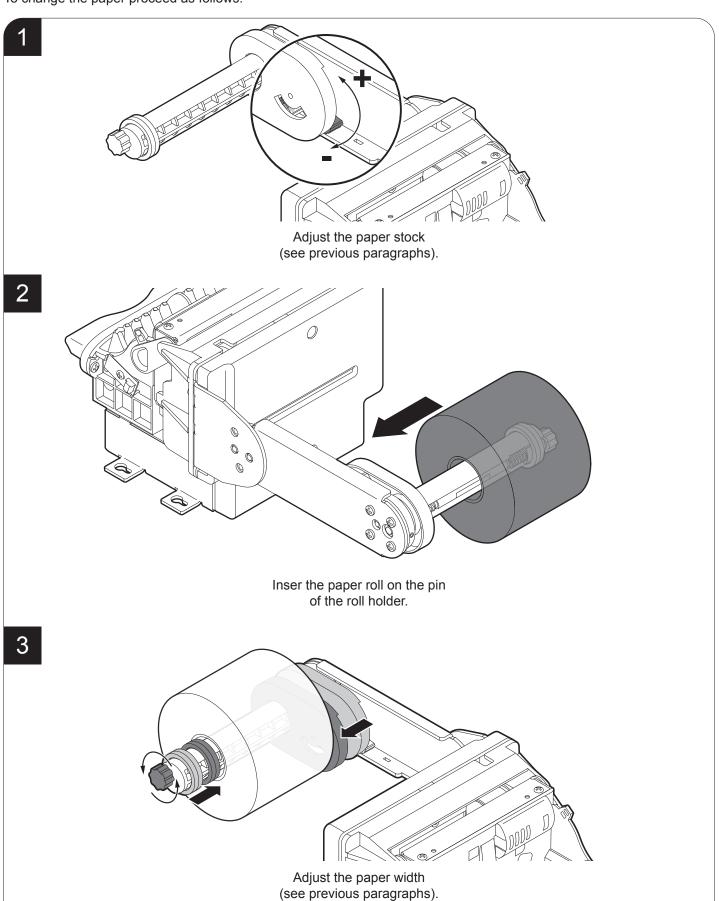


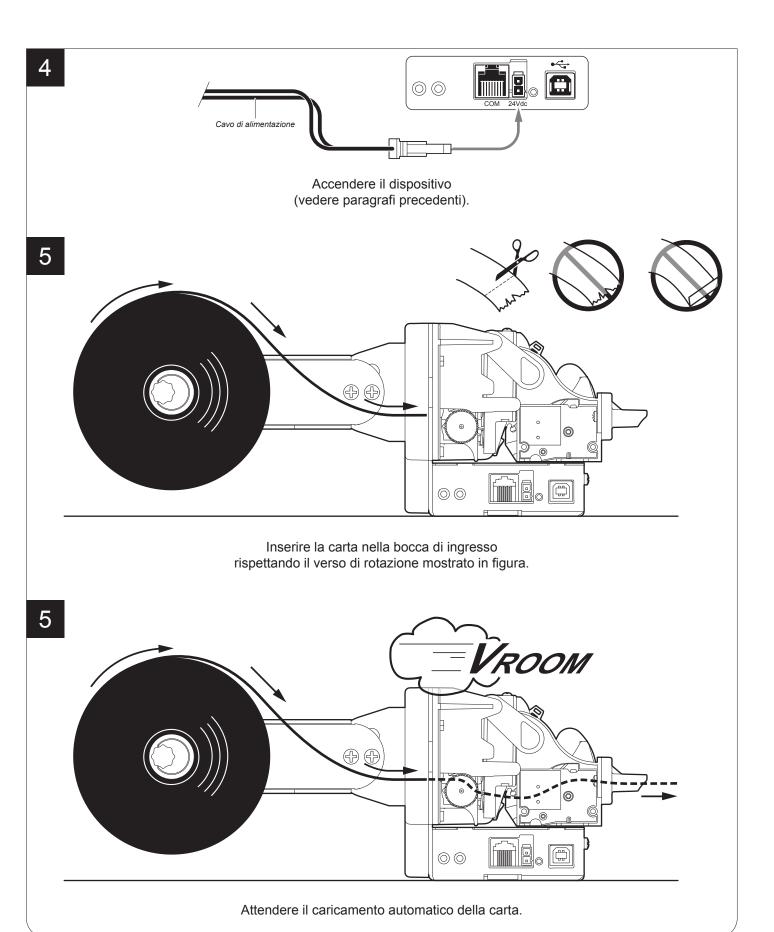
4.5 Switch the device ON



4.6 Loading the paper roll

To change the paper proceed as follows.





NOTE: At every change of paper roll, check inside the device and remove any scraps of paper and accumulated dust (see par.6.2).

4.7 Anti-jamming system

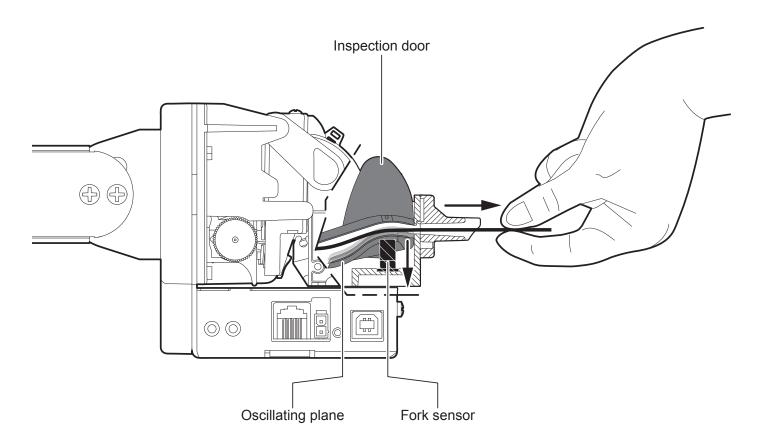
Standard model

The withdrawal of the ticket before the end of printing, may damage the printing mechanism or the paper ripping resulting in probable jam.

The device is equipped with an anti-jamming system that starts operating when the user tries to pick up the ticket while printing is still in progress.

This system is composed of an oscillating plane placed under the inspection door and of a fork sensor that detects the movements of the oscillating plane.

The user that make a ticket withdrawal before the printing end, causes the tension of the paper resulting in the lowering of the oscillating plane. This movement engages the fork sensor: printing is interrupted and the ticket is cut instantly.

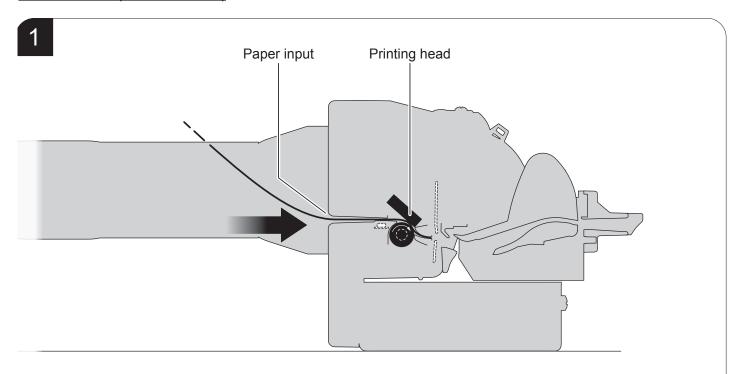




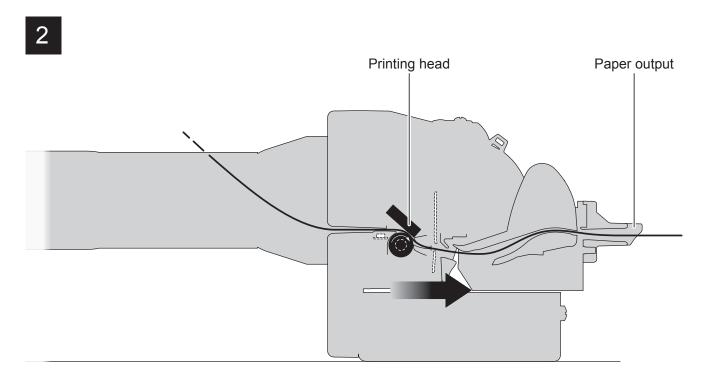
4.8 Issuing ticket

The device allows you to choose between different operating modes for the issuance of printed tickets. The operating modes shown in the following images, depend on the settings of the configuration parameters and commands sent to the device.

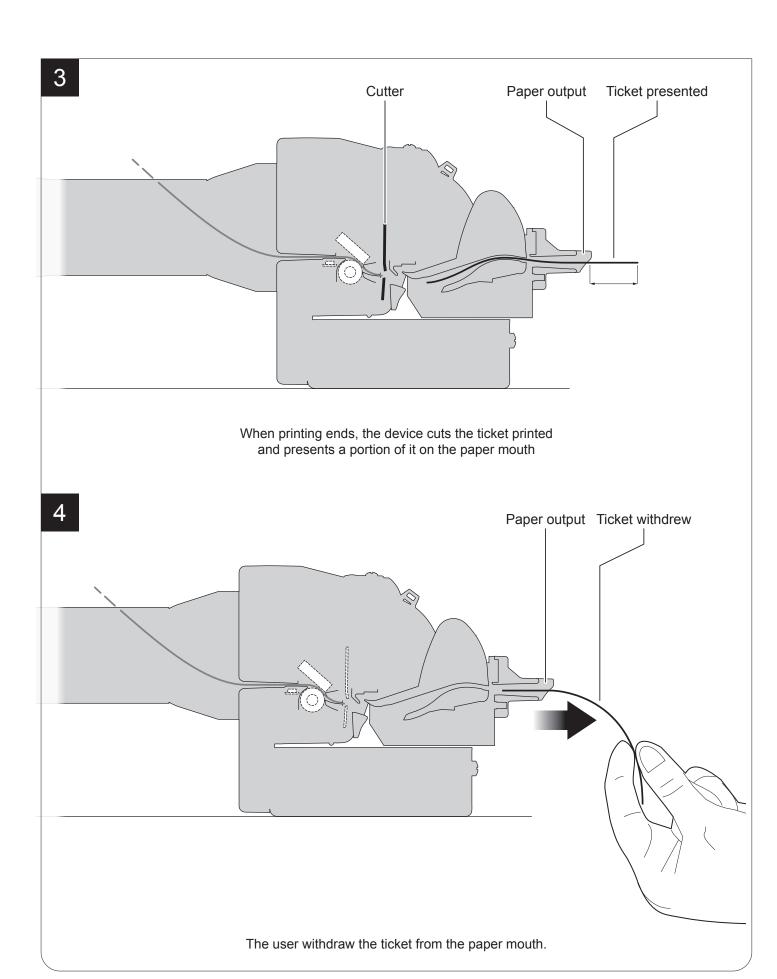
"EJECT" mode (standard model)



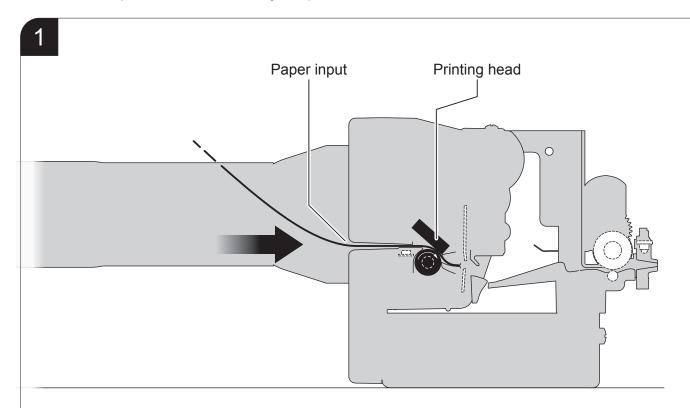
The device starts the ticket printing.



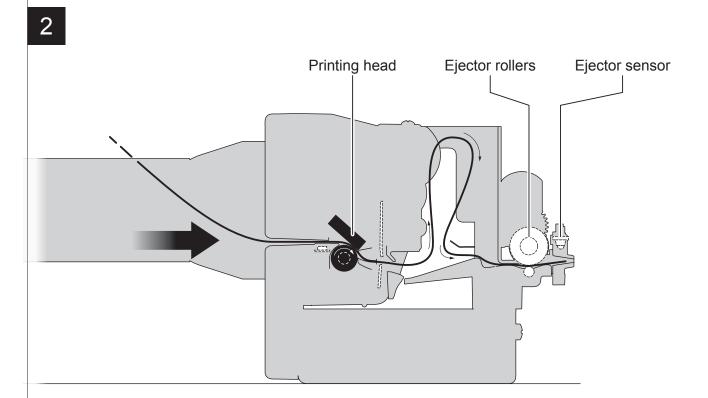
The device continues the ticket printing while the portion already printed starts to get out of the cutter.



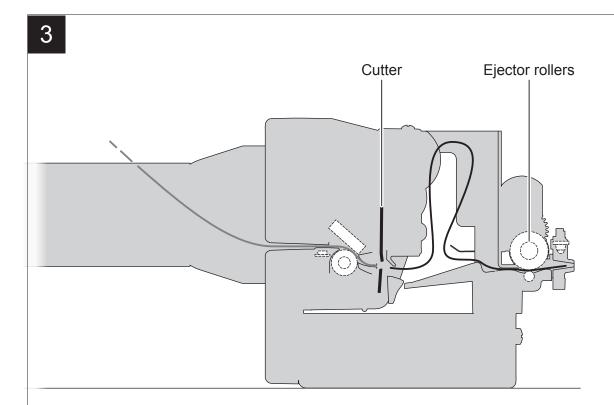
"EJECT" mode (model with motorized ejector)



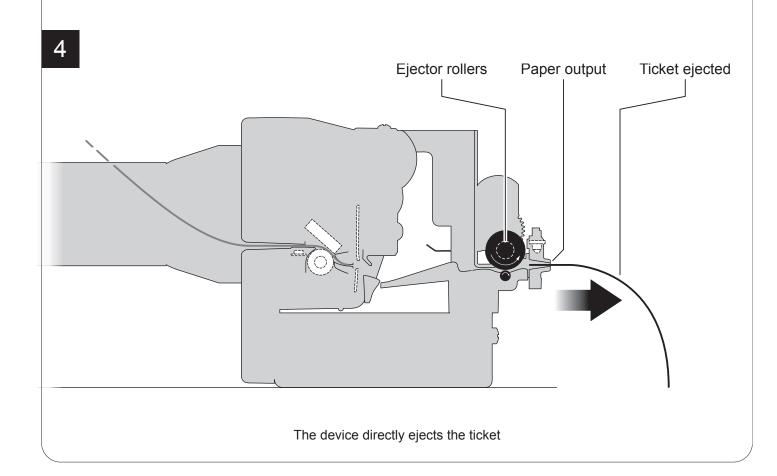
The device starts the ticket printing.

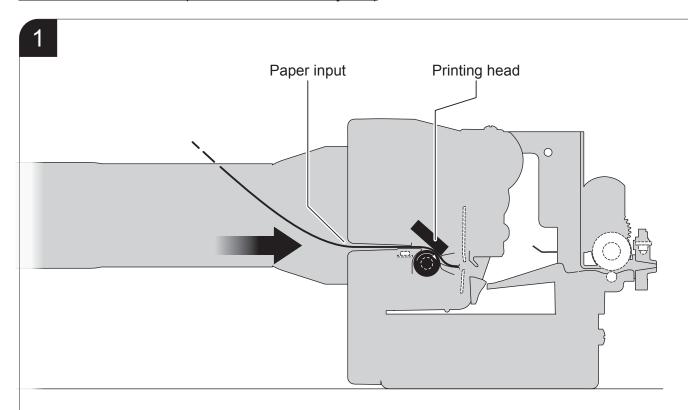


The ticket advances ahead to engage the ejector sensor and is caught between the ejector rollers. The printed portion of ticket is collected in the space between cutter and ejector while the device continues printing.

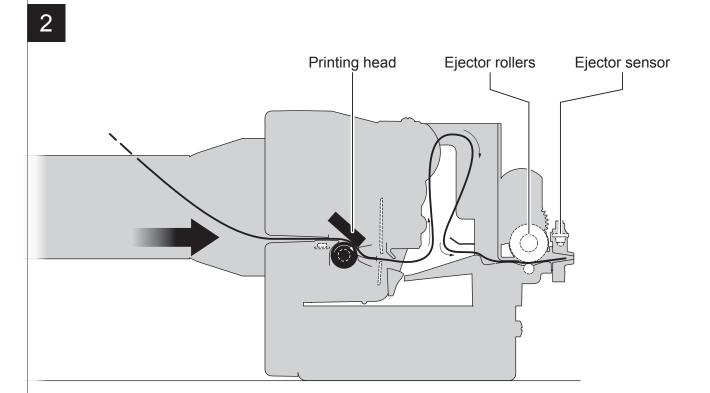


When printing ends, the device cuts the ticket printed.



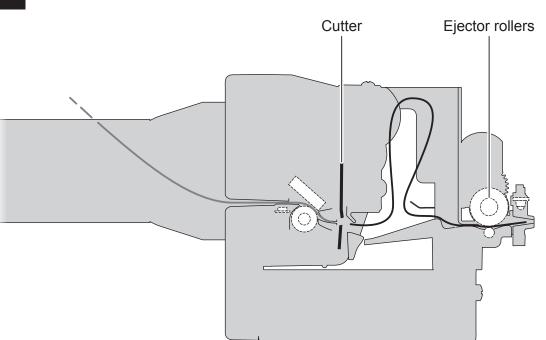


The device starts the ticket printing.



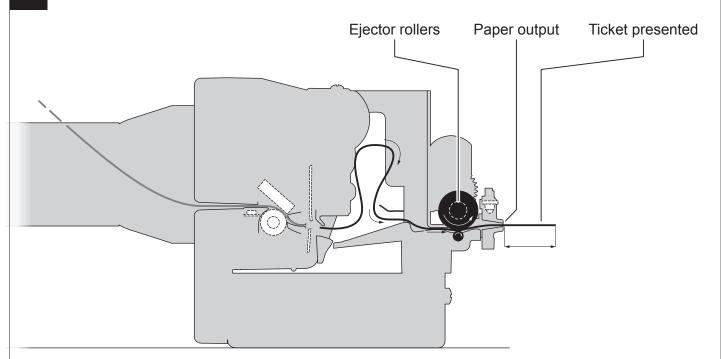
The ticket advances ahead to engage the ejector sensor and is caught between the ejector rollers. The printed portion of ticket is collected in the space between cutter and ejector while the device continues printing.





When printing ends, the device cuts the ticket printed.

4



The device presents a portion of the ticket printed on the paper mouth.

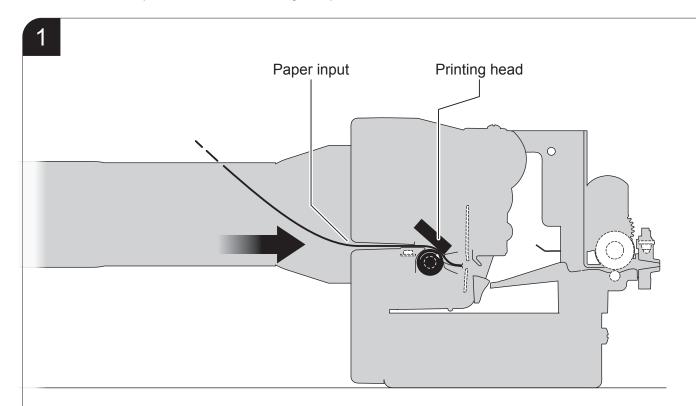


The ticket is waiting on the paper mouth for a preset period of time

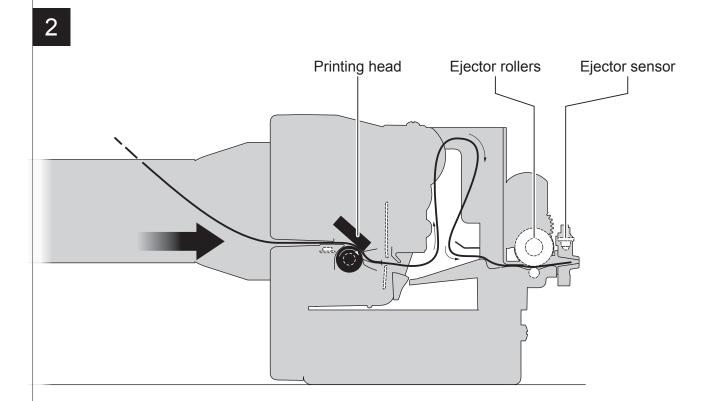
Ejector rollers Paper output Ticket ejected

The device directly ejects the ticket

"PRESENT" mode (model with motorized ejector)



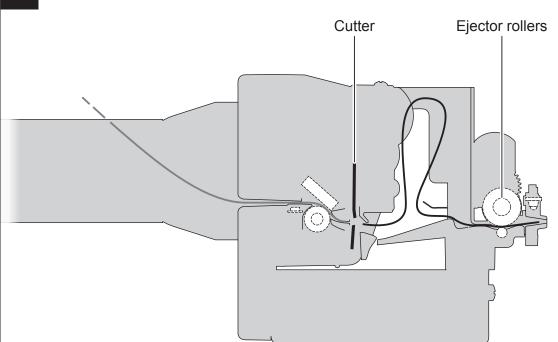
The device starts the ticket printing.



The ticket advances ahead to engage the ejector sensor and is caught between the ejector rollers. The printed portion of ticket is collected in the space between cutter and ejector while the device continues printing.

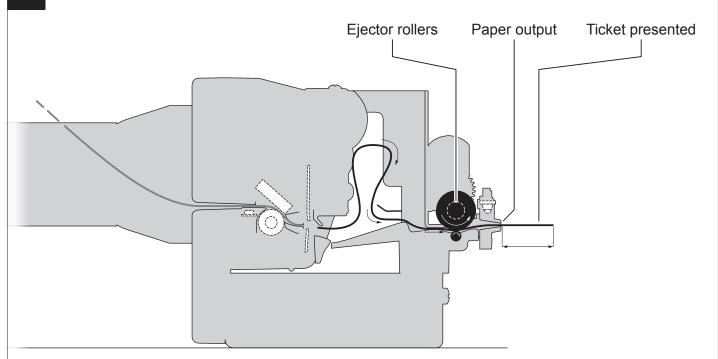
GUSTOM®



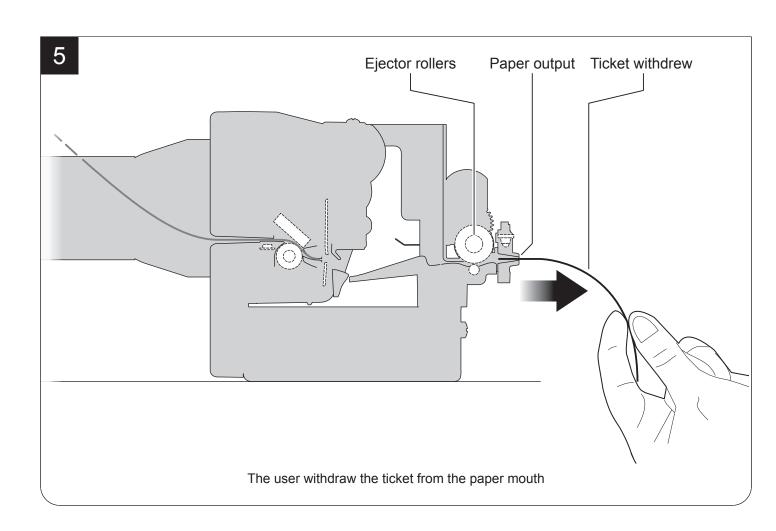


When printing ends, the device cuts the ticket printed.

4



The device presents a portion of the ticket printed on the paper mouth.



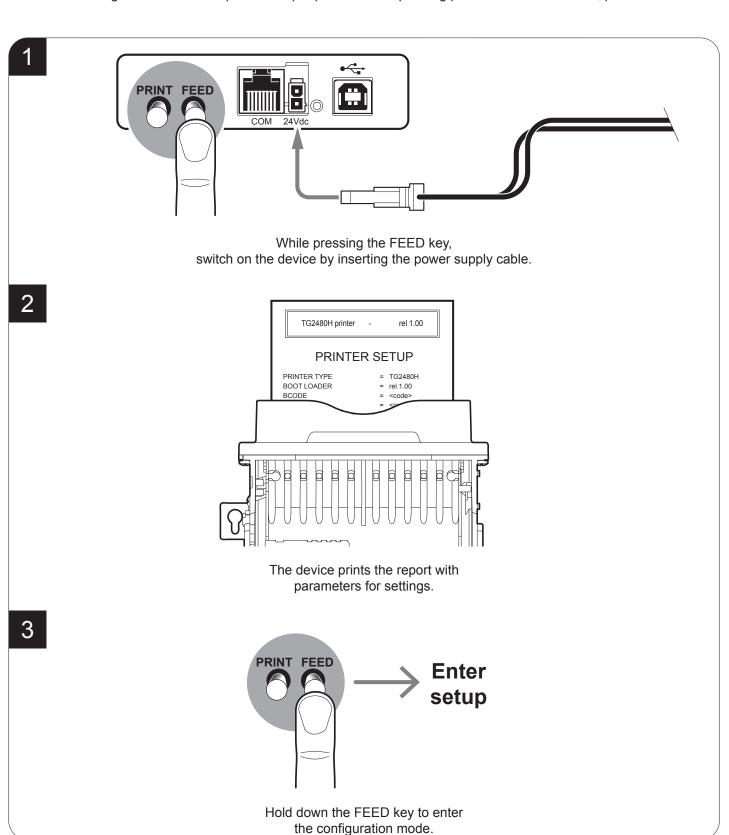
NOTE:

For further information, refer to chapter 5 and to the Commands Manual.

5 CONFIGURATION

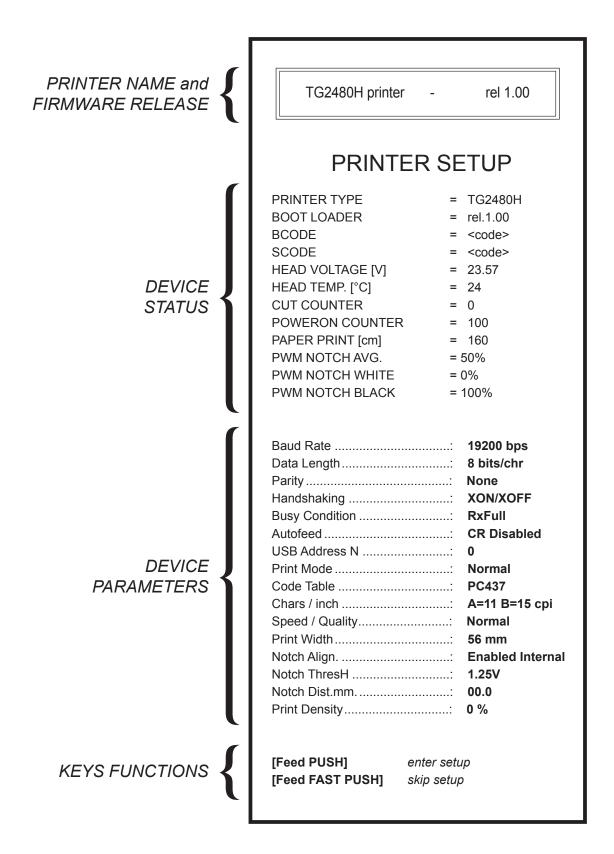
5.1 Configuration mode

To enter the configuration mode and print a setup report with the operating parameters of the device, proceed as follows.



5.2 Setup report

The following figure shows the setup report of the device. The shown values for parameters are sample values; for the list and the description of device parameters see the following paragraphs.



5.3 Printer status

The printer operating status is indicated in the configuration print-out in which, next to the name of the components displayed, the following information is given:

PRINTER TYPE	device model	
BOOT LOADER	boot loader release	
BCODE	release of the BCODE firmware module	
SCODE	release of the SCODE firmware module	
HEAD VOLTAGE	voltage of the head	
HEAD TEMP	temperature of the head	
CUT COUNTER	number of cuts made	
POWER ON COUNTER	number of power-ups made	
PAPER PRINT	centimetres of paper printed	
PWM NOTCH AVG.	for future use	
PWM NOTCH WHITE	for future use	
PWM NOTCH BLACK	for future use	



Printer parameters 5.4

This printer allows the configuration of the parameters listed in the following table. The parameters marked with the symbol ^D are the default values. Settings remain active even after the printer has been turned off and they are stored in non-volatile memory.

BAUD RATE	Communication speed of the serial interface: 115200 ^D 19200 2400	
	57600 9600 1200 38400 4800	
	NOTE: Parameter valid only with serial interface.	
DATA LENGTH	Number of bit used for characters encoding:	
	7 bits/car 8 bits/car ^D	
	NOTE: Parameter valid only with serial interface.	
PARITY	Bit for the parity control of the serial interface:	
	None ^D = parity bit omitted Even = even value for parity bit Odd = odd value for parity bit	
	NOTE: Parameter valid only with serial interface.	
HANDSHAKING	Handshaking:	
	XON/XOFF D = software handshaking Hardware = hardware handshaking (CTS/RTS)	
	NOTES: Parameter valid only with serial interface.	
	When the receive buffer is full, if handshaking is set to XON/XOFF, the printer sends the XOFF (0x13) on the serial port. When the receive buffer has cleared once again, if handshaking is set to XON/XOFF, the printer sends the XON (0x11) on the serial port.	
BUSY CONDITION	Activation mode for Busy signal:	
	OffLine/RXFull = Busy signal is activated when the printer is both in OffLine status and the buffer is full RXFull D = Busy signal is activated when the buffer is full	
	NOTE: Parameter valid only with serial interface.	
AUTOFEED	Setting of the Carriage Return character:	
	CR disabled ^D = Carriage Return disabled CR enabled = Carriage Return enabled	

USB ADDRESS N	Numerical address code for the univocal identification of the USB device (in case of more than a USB device connected with the same PC):		
	0 ^D 2 4 6 8 1 3 5 7 9		
PRINT MODE	Printing mode:		
	Normal ^D = enables printing in normal writing way Reverse = enables printing rotated 180 degrees		
CODE TABLE [num]	Characters table (character code).		
	PC437 D PC865 U.D.P. (1) PC858 PC850 PC866 PC860 VISCII PC863		
	NOTE: This parameter is not printed in the setup report of models with simplified chinese font GB2312. or with extended chinese font GB18030. (1): U.D.P. = User-defined page		
CHARS / INCH	Font selection: A = 11 cpi, B = 15 cpi ^D A = 15 cpi, B = 20 cpi		
	NOTES: CPI = Characters Per Inch		
SPEED / QUALITY	Setting of printing speed and printing quality:		
	Normal ^D High Speed		
PRINT WIDTH	Width of printing area:		
	52 mm 64 mm 76 mm ^D 56 mm 68 mm 80 mm 60 mm 72 mm		
NOTCH ALIGNMENT	Management of the paper alignment:		
	Disabled D = the notch alignment is not performed Enabled Internal $^{(1)}$ = the notch alignment is performed Enabled External $^{(1)}$ = the notch alignment is performed		
	NOTE: (1): The difference between the "Enabled Internal" and "Enabled External" values is reserved for future use: both the values enable the notch alignment.		



NOTCH THRESHOLD

Threshold value for the recognition of the presence of notch by the notch sensor:

0.75V 1.50V 2.25V 1.00V 1.75V 2.75V 1.25V D 2.00V 2.50V

NOTE: If the "Notch Alignment" parameter is disabled, the "Notch Threshold" parameter is not printed.

NOTCH DISTANCE

"Notch Distance" is the minimum distance (in mm) between the upper edge of ticket and the notch.

The numeric value of the distance is made up with the following three parameters for the setting of three digits (two for the integer part of the number and one for the decimal part):

NOTCH DISTANCE	[mm	x 10]
-----------------------	-----	-------

Setting the digit for tens:

0 ^D 1

Setting the digit for units:

NOTCH DISTANCE [mm x 1] (1)

0^D 2 4 6 8 1 3 5 7 9

Setting the digit for decimals:

NOTCH DISTANCE [mm x .1]

0 ^D 2 4 6 8 1 3 5 7 9

NOTES:

For example, to set the notch distance to 10 mm, modify the parameters as follows:

Notch Distance $[mm \times 10] = 1$

Notch Distance $[mm \times 1] = 0$

Notch Distance [mm x .1] = 0

If the "Notch Alignment" parameter is disabled, the "Notch Distance" parameter is not printed

(1): The values of "Notch Distance $[mm \times 1]$ " > 2 can be set only if "Notch Distance $[mm \times 10]$ " = 0.

PRINT DENSITY

Adjusting the printing density:

-50% -12% +25% -37% 0 ^D +37%

-25% +12% +50%

5.5 Hexadecimal dump

This function is used for the diagnosis of the characters received from the communications port. Characters are printed as hexadecimal code and the corresponding ASCII code (see below). Each line is preceded by a counter in hexadecimal that indicates the number of bytes received.

During the startup, if you hold down the FEED key, the printer enters the self-test routine and print the setup report. The printer remains in standby until a key is pressed or characters are received through the communication port (Hexadecimal Dump mode). For each character sent, the ticket shows the hexadecimal value and the ASCII codes (if the characters are underlined, the receive buffer is full). Shown below is an example of a Hexadecimal Dump:

HEXADECIMAL DUMP 35 31 32 33 34 12345 ... 39 30 31 32 33 90123 ... 75 69 37 38 39 789ui ... 68 6В 6A 73 64 hkjsd ... 73 64 66 6B 6A sdfkj ... 73 66 66 64 6B fsdfk ... 79 75 65 69 6F eioyu ... 6F 72 69 75 77 oriuw ... 75 77 65 72 6F ouwer ... 77 72 69 65 6F werio ... 72 75 77 69 6F riouw ... 73 6В 6C 64 66 klsdf ... 66 73 dfksd ... 64 6B 64 73 64 sdfkj ... 66 6B 6A 73 66 6B F2 6A fk≥j ... 6A 6B 6C 68 jklh

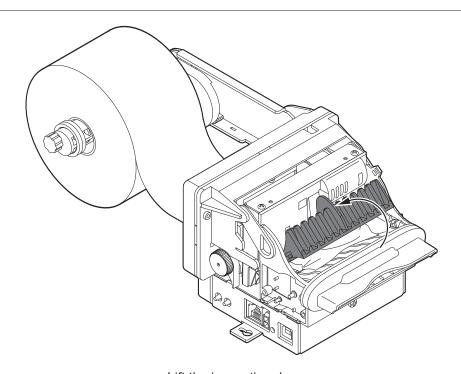


6 MAINTENANCE

6.1 Paper jam

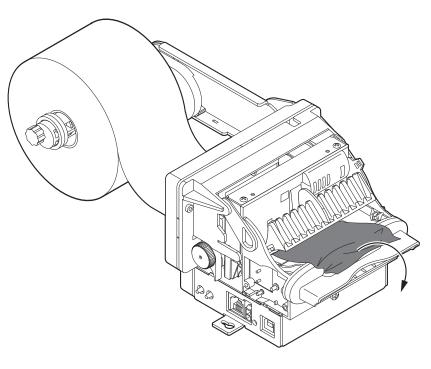
Standard model

1



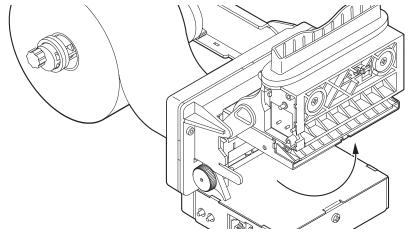
Lift the inspection door.

2



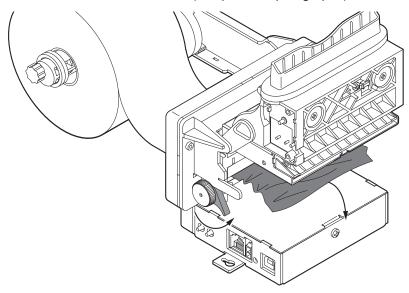
Remove any scraps of paper from the front side of the device.





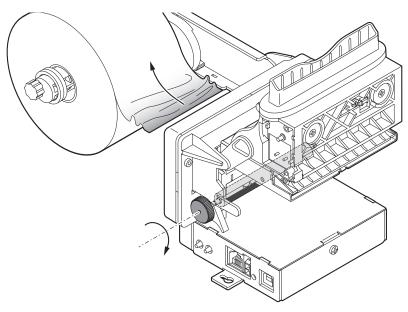
Open the device (see previous paragraphs).



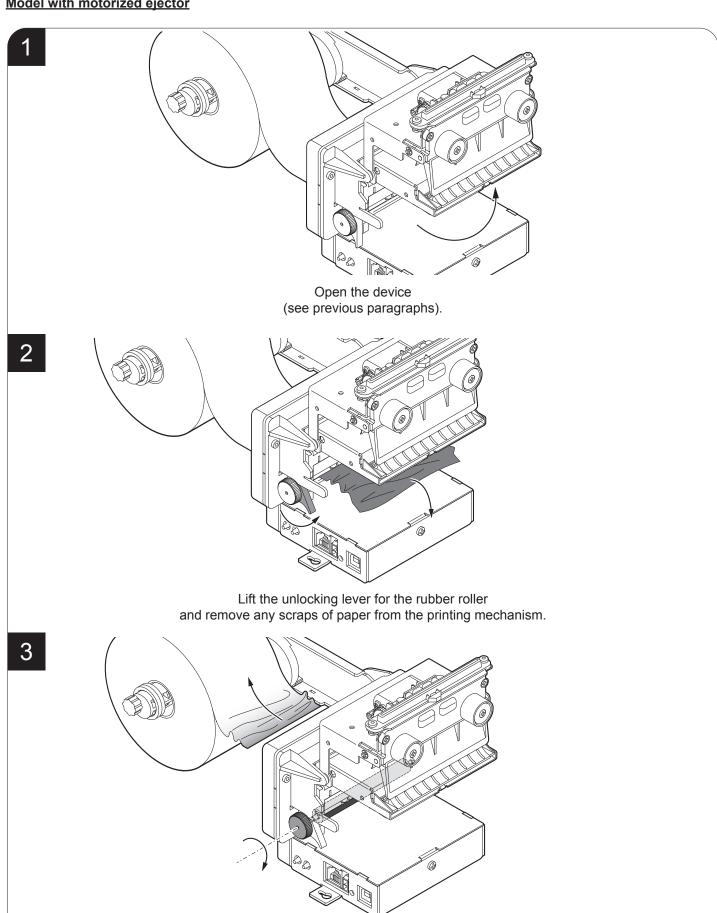


Lift the unlocking lever for the rubber roller and remove any scraps of paper from the printing mechanism.





Rotate clockwise the rubber roller to eject the paper from the rear side of the device.



Rotate clockwise the rubber roller to eject the paper from the rear side of the device.

6.2 Planning of cleaning operations

The regular cleaning of the device keeps the print quality and extends its life. The following table shows the recommended planning for the cleaning operations.

EVERY PAPER CHANGE	
Rollers	Use isopropyl alcohol
EVERY 5 PAPER CHANGES	
Paper path	Use compressed air or tweezers
Cutter	Use compressed air
Ejector	Use compressed air
Sensors	Use compressed air
EVERY 6 MONTHS OR AS NEEDED	
Printer case	Use compressed air or a soft cloth

For specific procedures, see the following pages.

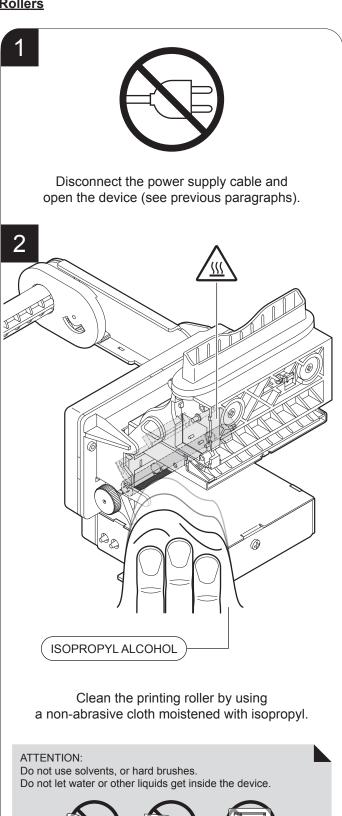
NOTE:

If you use the device in dusty environments, you must reduce the intervals between the cleaning operations.

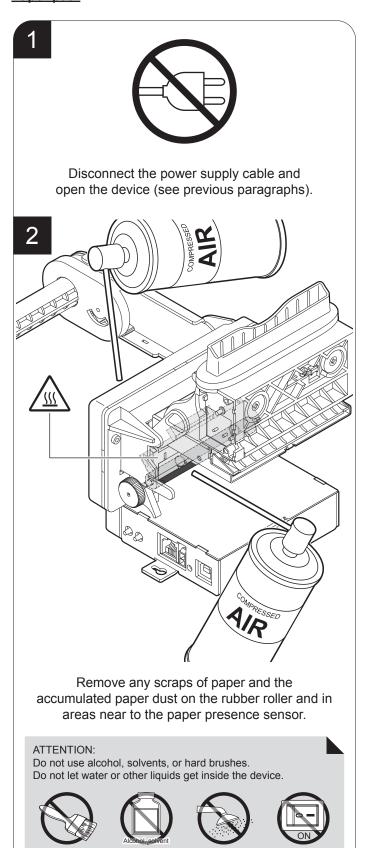
6.3 Cleaning

For periodic cleaning of the device, see the instructions below

Rollers



Paper path

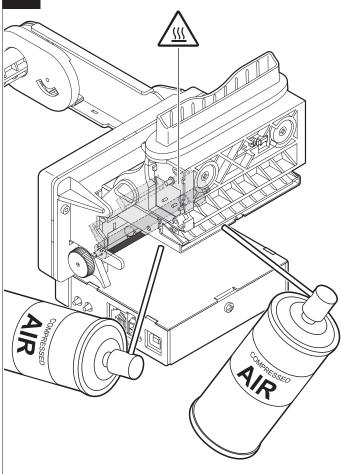


1



Disconnect the power supply cable and open the device (see previous paragraphs).

2



Remove any scraps of paper and the accumulated paper dust on the input and the output of cutter.

ATTENTION

Do not use alcohol, solvents, or hard brushes. Do not let water or other liquids get inside the device.



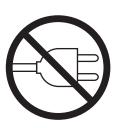




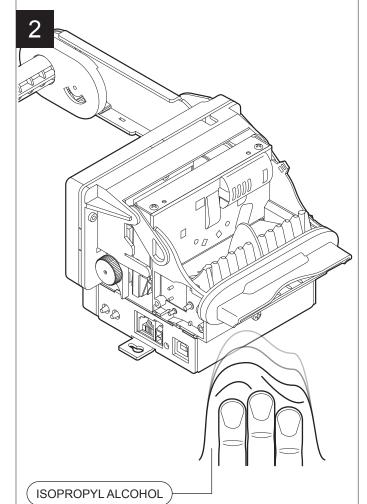


<u>Case</u>

1



Disconnect the power supply cable (see previous paragraphs).



To clean the device, use compressed air or a soft cloth

ATTENTION

Do not use alcohol, solvents, or hard brushes. Do not let water or other liquids get inside the device.









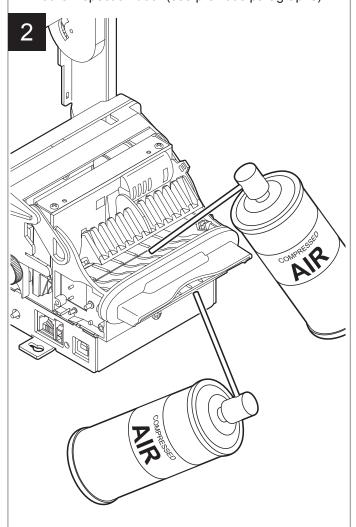
Ejector (standard model)

Ejector (model with motorized ejector)





Disconnect the power supply cable and lift the inspection door (see previous paragraphs).



Remove any scraps of paper and the accumulated paper dust under the inspection door and on the paper output.

ATTENTION:

Do not use alcohol, solvents, or hard brushes. Do not let water or other liquids get inside the device.





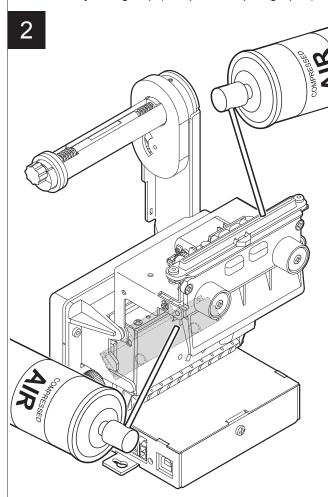




1



Disconnect the power supply cable and lift the ejector group (see previous paragraphs).



Remove any scraps of paper and the accumulated paper dust on the input and the output of the ejector.

ATTENTION

Do not use alcohol, solvents, or hard brushes. Do not let water or other liquids get inside the device.

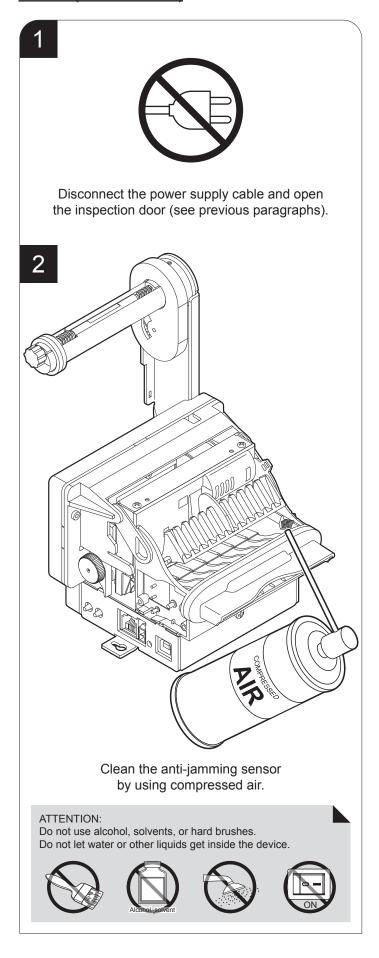


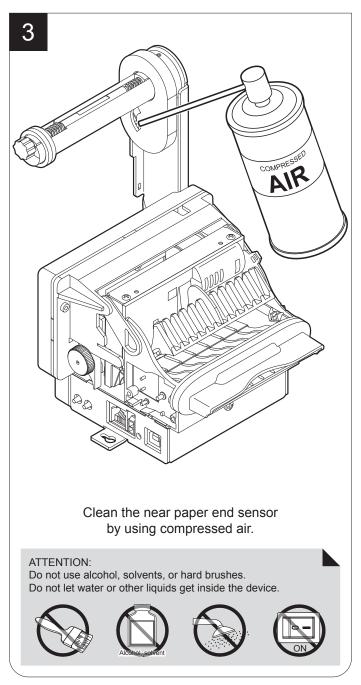






Sensors (standard model)





6.4 Upgrade firmware

WARNING: During communication between PC and device for the firmware update it is strictly forbidden to disconnect the communication cable or to remove the power supply of the devices not to endanger the proper functioning of the machine.

NOTES:

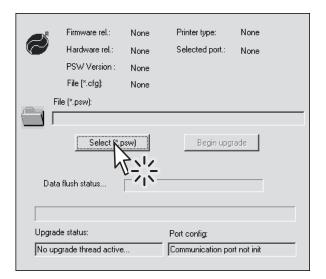
The latest firmware of the device is available in the download area of the web site www.custom.biz

Install on the PC used for printer upgrading the UPG-CEPRN software available in the download area of the web site www.custom.biz.

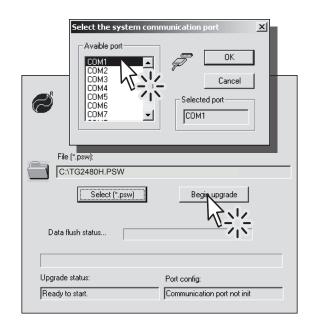
Update via serial interface

Proceed as follows:

- 1. Write down the product code (14 digits) printed on the product label (see par.2.3).
- Go to the web site www.custom.biz and download the appropriate firmware release from the DOWNLOAD area.
- 3. Print the SETUP report (see chapter 5).
- 4. Switch OFF the device.
- 5. Connect the device to the PC using a serial cable (see par.3.3).
- 6. Switch ON the device.
- 7. Launch the software UPGCEPRN.
- 8. Select the update file .PSW location:



9. Select the serial communication port (ex. COM1):



- 10. Detecting and setting of the parameters necessary for serial communication are performed automatically and then updating begins.
- 11. After a few minutes a message on the screen warns that the update is completed.



12. Print a new SETUP report to verify the new firmware release (see chapter 5).



Update via USB interface

ATTENTION:

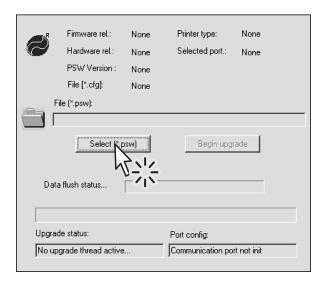
Only during the firmware update, the connection between PC and device must be direct, without the use of HUB device.

Only during the firmware update, do not connect or disconnect other USB devices.

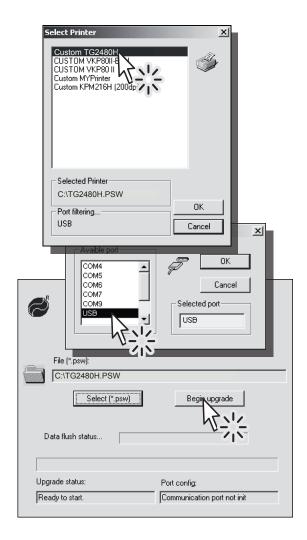
NOTE: For communication via USB you must install on PC the printer driver available in the download area of the web site www.custom.biz.

Proceed as follows:

- 1. Write down the product code (14 digits) printed on the product label (see par.2.3).
- Go to the web site www.custom.biz and download the appropriate firmware release from the DOWNLOAD area.
- 3. Print the SETUP report (see chapter 5).
- 4. Switch OFF the device.
- Connect the device to the PC using a USB cable (see par.3.3).
- 6. Switch ON the device.
- 7. Launch the software UPGCEPRN.
- 8. Select the update file .PSW location:



9. Select item USB and then select the USB device among those proposed (e.g. TG2480H):



10. After a few minutes a message on the screen warns that the update is completed.



11. Print a new SETUP report to verify the new firmware release (see chapter 5).



7 SPECIFICATION

7.1 Hardware specifications

GENERAL	
Sensors	
standard model	Paper presence in input, head temperature, paper jam, ticket withdrawal, external near paper end (on paper roll holder)
model with motorized ejector	Paper presence in input, paper presence in output, head temperature, external near paper end (on paper roll holder)
MTBF (1)	171 735 h
Noise level (standard model)	63 dB
Emulations	ESC/POS™
Printing driver	Windows XP, Windows VISTA (32/64bit), Windows 7 (32/64bit), Windows 8 (32/64bit), Opos, Linux, Android
INTERFACES	
RS232 serial connector	from 1200 to 115200 bps
USB connector	12 Mbit/sec
MEMORIES	
Receive buffer	2 Kbytes
Flash memory	1 Mbytes
Graphic memory	2 logos (608 x 430 dots)
PRINTER	
Resolution	203 dpi (8 dot/mm)
Printing method	Thermal, fixed head
Head life (2)	50 km
Printing width	52 mm, 56 mm, 60 mm, 64 mm, 68 mm, 72 mm, 76 mm, 80 mm



Printing mode	Normal, 180°	
Printing format	Height/width from 1 to 4, bold, reverse, underlined, italic	
Character fonts		
standard model	PC437, PC850, PC860, PC863, PC865, PC858, PC866, VISCII, U.D.P.	
model with semplified chinese font (3)	PC437, PC850, PC860, PC863, PC865, PC858, GB2312	
model with extended chinese font (3)	PC437, PC850, PC860, PC863, PC865, PC858, GB18030	
Printable barcode	UPCA, UPCE, EAN13, EAN8, CODE39, ITF, CODABAR, CODE93, CODE128, CODE32, QRCODE	
Printing speed (2) (5)	Normal = 100 mm/sec High Speed = 130 mm/sec	
PAPER		
Type of paper	Thermal rolls, heat-sensitive side on outside of roll	
Paper width	from 52 mm ± 0.5 mm to 80 mm ± 0.5 mm	
Paper thickness	63 μ m \pm 0.5 μ m (for 55 g/m 2 paper) 85 μ m \pm 0.6 μ m (for 80 g/m 2 paper)	
Paper weight	from 55 g/m ² to 80 g/m ²	
Recommended types of paper	KANZAN KF50 or KP460, MITSUBISHI PG5075 or TL4000	
External roll diameter	max 90 mm	
Paper end	Not attached to roll core	
Internal roll core diameter	25 mm	
Core type Cardboard		
Minimum ticket length		
standard model	87 mm	
model with motorized ejector	80 mm	
CUTTER		
Paper cut	Total	



Estimated life (2)	1 000 000 cutter number
DEVICE ELECTRICAL SPECIFICATIONS	
Power supply	24 Vdc ±10% (optional external power supply)
Medium consumption (4)	2.2 A
Typical consumption (5)	0.8 A
Stand-by consumption	0.05 A
ELECTRICAL SPECIFICATIONS POWER SUPPLY cod.96	63GE020000003 (OPTIONAL)
Power supply voltage	from 100 Vac to 240 Vac
Frequency	from 50 Hz to 60 Hz
Current (output)	2.5 A
Power	60 W
ENVIRONMENTAL CONDITIONS	
Operating temperature	from -20°C to +70°C
Relative humidity	from 10% Rh to 85% Rh
Storage temperature	from -20 °C to +70 °C
Storage relative humidity	from 10% Rh to 90% Rh

NOTES:

- (1): Control board.(2): Respecting the regular schedule of cleaning for the device components.(3): For further information, refer to the commands manual for the chinese font management.
- (4): Referred to the UL measurements (L = 10cm, Density = 50% dot on, Print density = +50%).
- (5): Referred to a standard CUSTOM receipt (L=10cm, Density = 12,5% dots on).



7.2 Character specifications

Character set	3		
Character density	11 cpi	15 cpi	20 cpi
Number of columns	35	45	64
Chars / sec	1540	1980	2773
Lines / sec	43	43	43
Characters (L x H mm)-Normal	2.2 x 3	1.7 x 3	1.2 x 3

NOTE: Theoretical values.

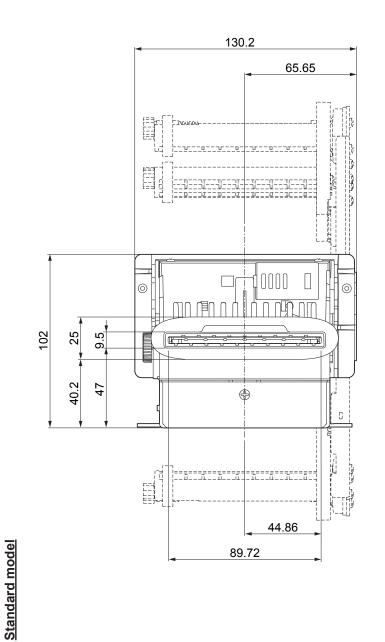
7.3 Device dimensions

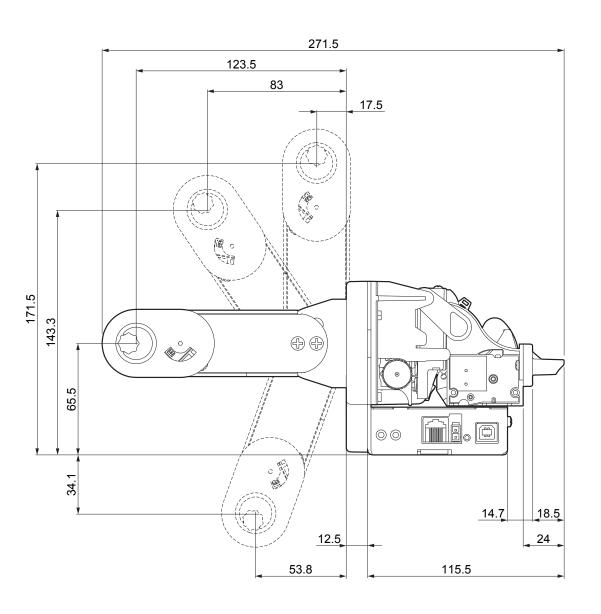
Length	
standard model	271.5 mm
model with motorized ejector	260.2 mm
Height	102 mm
Width	130.2 mm
Weight	
standard model	1130 g
model with motorized ejector	1250 g

NOTES:

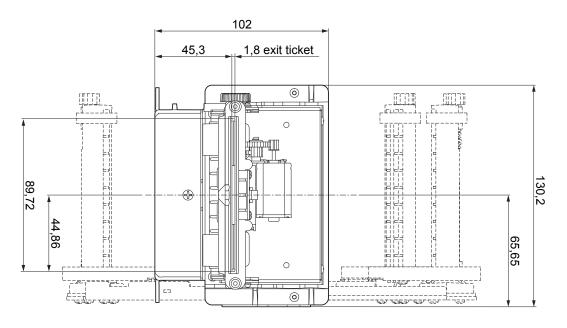
Data refer to device with paper roll holder assembled in the rear position (see par.3.2). All the dimensions shown in following figures are in millimetres.

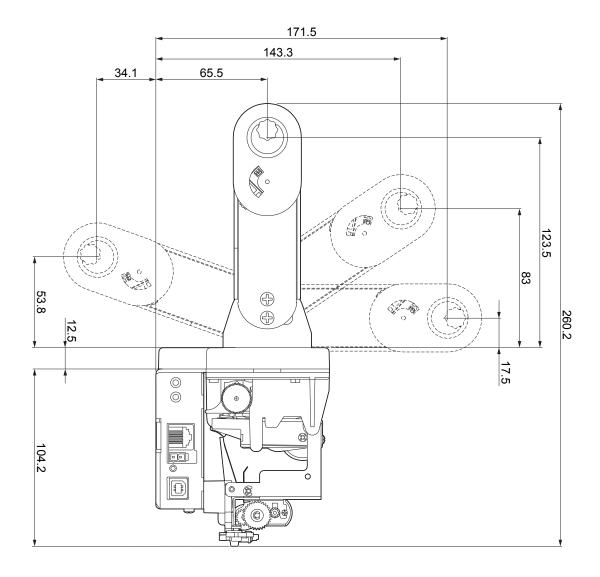






Model with motorized ejector



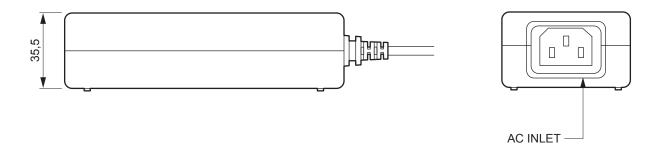


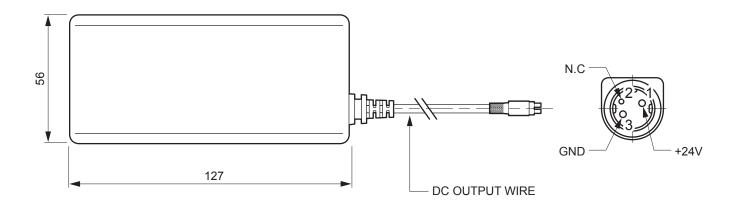
7.4 Power supply dimensions cod.963GE020000003 (optional)

Length	127 mm
Height	35,5 mm
Width	56 mm

NOTE:

All the dimensions shown in following figures are in millimetres

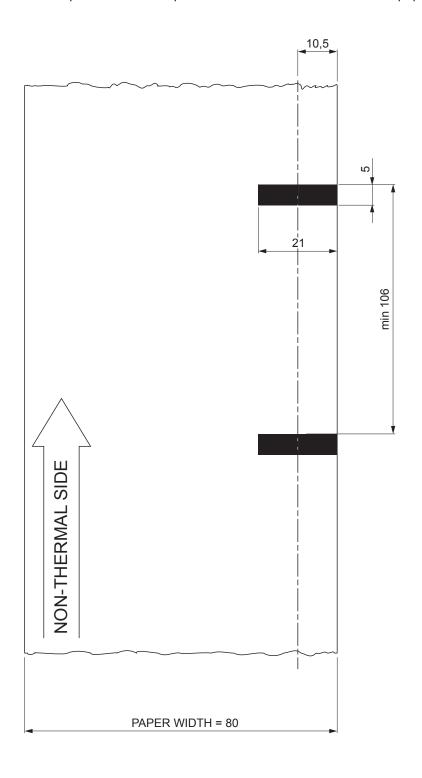






7.5 Paper specification

The following image shows an example of black mark placement on the non-thermal side of paper.



NOTE

All the dimensions shown in following figures are in millimetres.

7.6 Character sets

The device has 3 fonts of varying width (11, 15 and 20 cpi) which may be accessed through programming or control characters.

Each of these fonts offers the following code tables: PC437, PC850, PC860, PC863, PC865, PC858, PC866, VISCII, U.D.P.

PC437 CODE TABLE (Usa, Standard Europe)

Char	SP	!	66	#	\$	%	&	٤	()	*	+	,	-		1
Hex	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	002A	002B	002C	002D	002E	002F
Dec	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Char	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
Hex	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	003A	003B	003C	003D	003E	003F
Dec	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Char	@	Α	В	С	D	Е	F	G	Н	1	J	K	L	M	N	0
Hex	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	004A	004B	004C	004D	004E	004F
Dec	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
Char	P	Q	R	S	Т	U	V	W	Х	Υ	Z]	١]	٨	_
Hex	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	005A	005B	005C	005D	005E	005F
Dec	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
Char	`	а	b	С	d	е	f	g	h	i	j	k	ı	m	n	0
Hex	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	006A	006B	006C	006D	006E	006F
Dec	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
Char	р	q	r	S	t	u	V	W	Х	У	Z	{		}	~	
Hex	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	007A	007B	007C	007D	007E	007F
Dec	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
Char	Ç	ü	é	â	ä	à	å	Ç	ê	ë	è	Ϊ	î	ì	Ä	Å
Hex	0800	0081	0082	0083	0084	0085	0086	0087	0088	0089	A800	008B	008C	008D	008E	008F
Dec	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
										<u></u>	- 23					
Char	É	æ	Æ	ô	ö	Ò	û	ù	ÿ	Ö	Ü	¢	£	¥	Pts	f
Hex	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	009A	009B	009C	009D	009E	009F
Hex Dec	0090 144	0091 145	0092 146	0093 147	0094 148	0095 149	0096 150	0097 151	0098 152	0099 153	009A 154	009B 155	009C 156	009D 157	009E 158	
Hex Dec Char	0090 144 á	0091 145 Í	0092 146 Ó	0093 147 Ú	0094 148 ñ	0095 149 Ñ	0096 150 a	0097 151 o	0098 152 ¿	0099 153	009A 154	009B 155 1/2	009C 156 1/4	009D 157	009E 158	009F 159 »
Hex Dec Char Hex	0090 144 á 00A0	0091 145 Í 00A1	0092 146 Ó 00A2	0093 147 Ú 00A3	0094 148 ñ 00A4	0095 149 Ñ 00A5	0096 150 a 00A6	0097 151 o 00A7	0098 152 ¿ 00A8	0099 153 F 00A9	009A 154 ¬ 00AA	009B 155 1/2 00AB	009C 156 1/4 00AC	009D 157 i 00AD	009E 158 « 00AE	009F 159 » 00AF
Hex Dec Char Hex Dec	0090 144 á 00A0 160	0091 145 Í 00A1 161	0092 146 Ó 00A2 162	0093 147 Ú	0094 148 ñ	0095 149 Ñ 00A5 165	0096 150 a 00A6 166	0097 151 o	0098 152 ¿ 00A8 168	0099 153 F 00A9 169	009A 154	009B 155 1/2 00AB 171	009C 156 1/4 00AC 172	009D 157 i 00AD 173	009E 158 « 00AE 174	009F 159 » 00AF 175
Hex Dec Char Hex Dec Char	0090 144 á 00A0 160	0091 145 Í 00A1 161	0092 146 Ó 00A2 162	0093 147 Ú 00A3 163	0094 148 ñ 00A4 164	0095 149 Ñ 00A5 165	0096 150 a 00A6 166	0097 151 o 00A7 167	0098 152 2 00A8 168	0099 153 F 00A9 169	009A 154 ¬ 00AA 170	009B 155 ½ 00AB 171	009C 156 1/4 00AC 172	009D 157 i 00AD 173	009E 158 « 00AE 174	009F 159 » 00AF 175
Hex Dec Char Hex Dec Char	0090 144 á 00A0 160 00B0	0091 145 Í 00A1 161	0092 146 Ó 00A2 162	0093 147 Ú 00A3 163 00B3	0094 148 ñ 00A4 164 - 00B4	0095 149 Ñ 00A5 165 = 00B5	0096 150 a 00A6 166 - 00B6	0097 151 o 00A7 167 T 00B7	0098 152 ¿ 00A8 168 ¬ 00B8	0099 153 F 00A9 169 4 00B9	009A 154 ¬ 00AA 170 00BA	009B 155 ½ 00AB 171 1 00BB	009C 156 1/4 00AC 172 1/3 00BC	009D 157 i 00AD 173 JJ 00BD	009E 158 « 00AE 174 _ 00BE	009F 159 >> 00AF 175 7 00BF
Hex Dec Char Hex Dec Char Hex Dec	0090 144 á 00A0 160	0091 145 Í 00A1 161 	0092 146 Ó 00A2 162	0093 147 Ú 00A3 163	0094 148 Ñ 00A4 164	0095 149 Ñ 00A5 165 = 00B5 181	0096 150 a 00A6 166	0097 151 o 00A7 167 Tl 00B7 183	0098 152 ¿ 00A8 168 ¬ 00B8 184	0099 153 F 00A9 169 4 00B9 185	009A 154 ¬ 00AA 170 00BA 186	009B 155 1/2 00AB 171 1 00BB 187	009C 156 1/4 00AC 172 1/2 00BC 188	009D 157 i 00AD 173	009E 158 « 00AE 174 J 00BE 190	009F 159 » 00AF 175 ¬ 00BF
Hex Dec Char Hex Dec Char Hex Char Char	0090 144 á 00A0 160 00B0 176	0091 145 í 00A1 161 	0092 146 Ó 00A2 162 00B2 178	0093 147 Ú 00A3 163 00B3 179	0094 148 ñ 00A4 164 - 00B4 180	0095 149 Ñ 00A5 165 = 00B5 181	0096 150 a 00A6 166 - 00B6 182	0097 151 0 00A7 167 TI 00B7 183	0098 152 2 00A8 168 7 00B8 184	0099 153 F 00A9 169 4 00B9 185	009A 154 ¬ 00AA 170 00BA 186 _ <u>JL</u>	009B 155 ½ 00AB 171 ∏ 00BB 187	009C 156 1/4 00AC 172 1 00BC 188	009D 157 i 00AD 173 II 00BD 189	009E 158 « 00AE 174 J 00BE 190	009F 159 » 00AF 175 ¬ 00BF 191 <u>L</u>
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L	0091 145 Í 00A1 161 	0092 146 Ó 00A2 162 00B2 178 T 00C2	0093 147 Ú 00A3 163 	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 00B5 181 00C5	0096 150 a 00A6 166 - 00B6 182 - 00C6	0097 151 0 00A7 167 1 00B7 183	0098 152 ¿ 00A8 168 ¬ 00B8 184 L 00C8	0099 153 F 00A9 169 1 00B9 185	009A 154 ¬ 00AA 170 00BA 186 00CA	009B 155 1/2 00AB 171 1 00BB 187 1F 00CB	009C 156 1/4 00AC 172 1 00BC 188	009D 157 i 00AD 173 JJ 00BD 189 = 00CD	009E 158 « 00AE 174 J 00BE 190 I 190	009F 159 » 00AF 175 ¬ 00BF 191 —
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192	0091 145 í 00A1 161 	0092 146 ó 00A2 162 00B2 178 T 00C2 194	0093 147 Ú 00A3 163 00B3 179	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 = 00B5 181 + 00C5 197	0096 150 a 00A6 166 	0097 151 0 00A7 167 7 00B7 183 1 00C7 199	0098 152 ¿ 00A8 168 ¬ 00B8 184 L L 00C8 200	0099 153 F 00A9 169 4 00B9 185	009A 154 	009B 155 ½ 00AB 171 ∏ 00BB 187	009C 156 1/4 00AC 172 1/3 00BC 188 1/4 00CC 204	009D 157 i 00AD 173 II 00BD 189	009E 158 « 00AE 174 J 00BE 190	009F 159 » 00AF 175 ¬ 00BF 191 <u>L</u>
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Char Hex Dec Char	0090 144 á 00A0 160 00B0 176 L 00C0 192	0091 145 i 00A1 161 	0092 146 ó 00A2 162 ■ 00B2 178 T 00C2 194	0093 147 Ú 00A3 163 00B3 179 00C3 195 L	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 00B5 181 00C5 197	0096 150 a 00A6 166 - 00B6 182 = 00C6 198	0097 151 0 00A7 167 Tl 00B7 183 H- 00C7 199	0098 152 2 00A8 168 7 00B8 184 L 00C8 200	0099 153 	009A 154 ¬ 00AA 170	009B 155 1/2 00AB 171 ¬ 00BB 187 ¬ ¬ ¬ 00CB 203	009C 156 1/4 00AC 172 1/3 00BC 188 1/4 00CC 204	009D 157 i 00AD 173 J 00BD 189 = 00CD 205	009E 158 « 00AE 174 J 00BE 190 L 00CE 206	009F 159 >>> 00AF 175 ¬ 00BF 191 — — 00CF 207
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192	0091 145 í 00A1 161 	0092 146 ó 00A2 162 00B2 178 T 00C2 194	0093 147 Ú 00A3 163 00B3 179 - 00C3 195	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 = 00B5 181 + 00C5 197	0096 150 a 00A6 166 	0097 151 0 00A7 167 7 00B7 183 1 00C7 199	0098 152 ¿ 00A8 168 ¬ 00B8 184 L L 00C8 200	0099 153 F 00A9 169 4 00B9 185 F 00C9 201	009A 154 	009B 155 1/2 00AB 171 1 00BB 187 1F 00CB	009C 156 1/4 00AC 172 1/3 00BC 188 1/4 00CC 204	009D 157 i 00AD 173 JJ 00BD 189 = 00CD	009E 158 « 00AE 174 J 00BE 190 I 190	009F 159 » 00AF 175 ¬ 00BF 191 —
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Hex	0090 144 á 00A0 160 00B0 176 L 00C0 192 IL 00D0 208	0091 145 i 00A1 161 00B1 177 L 00C1 193 \textstyle{\textstyle{T}} 00D1 209	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210	0093 147 Ú 00A3 163	0094 148 Ñ 00A4 164 00B4 180 00C4 196 00D4 212	0095 149 Ñ 00A5 165 00B5 181 00C5 197 00D5 213	0096 150 a 00A6 166 4 00B6 182 b 00C6 198 IF 00D6 214	0097 151 0 00A7 167 T 00B7 183 H- 00C7 199 H- 00D7 215	0098 152 2 00A8 168 7 00B8 184 L 00C8 200 + 00D8 216	0099 153 	009A 154 ¬ 00AA 170 00BA 186 <u>JL</u> 00CA 202	009B 155 1/2 00AB 171 1 00BB 187 1 00CB 203 00DB 219	009C 156 1/4 00AC 172 1/3 00BC 188 1/5 00CC 204	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 00DD 221	009E 158 « 00AE 174 — 00BE 190 — 1- 00CE 206 — 00DE 222	009F 159
Hex Dec Char Char Hex Dec Char	0090 144 á 00A0 160 00B0 176 L 00C0 192 IIL 00D0 208 α	0091 145 i 00A1 161 00B1 177 L 00C1 193 T 00D1 209 ß	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210	0093 147 ú 00A3 163 00B3 179 00C3 195 L 00D3 211 π	0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 L 00D4 212 ∑	0095 149 Ñ 00A5 165 00B5 181 00C5 197 00D5 213	0096 150 a 00A6 166 - 00B6 182 = 00C6 198 00D6 214	0097 151 0 00A7 167 Therefore the state of	0098 152 2 00A8 168 3 00B8 184 L 00C8 200 4 00D8 216	0099 153 	009A 154 ¬ 00AA 170 00BA 186 <u>JL</u> 00CA 202 Γ 00DA 218 Ω	009B 155 1/2 00AB 171 □ 00BB 187 □ 00CB 203 □ 00DB 219 δ	009C 156 1/4 00AC 172	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 ↓ 00DD 221 Ф	009E 158 « 00AE 174 J 00BE 190 JL 00CE 206 00DE 222 E	009F 159
Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192 IL 00D0 208	0091 145 i 00A1 161 00B1 177 L 00C1 193 \textstyle{\textstyle{T}} 00D1 209	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210	0093 147 Ú 00A3 163	0094 148 Ñ 00A4 164 00B4 180 00C4 196 00D4 212	0095 149 Ñ 00A5 165 00B5 181 00C5 197 F 00D5 213	0096 150 a 00A6 166 4 00B6 182 b 00C6 198 IF 00D6 214	0097 151 0 00A7 167 T 00B7 183 H- 00C7 199 H- 00D7 215	0098 152 2 00A8 168 7 00B8 184 L 00C8 200 + 00D8 216	0099 153 	009A 154 ¬ 00AA 170 00BA 186 <u>JL</u> 00CA 202	009B 155 1/2 00AB 171 1 00BB 187 1 00CB 203 00DB 219	009C 156 1/4 00AC 172 1 00BC 188 1 00CC 204	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 00DD 221	009E 158 « 00AE 174 — 00BE 190 — 1- 00CE 206 — 00DE 222	009F 159
Hex Dec Char Hex Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192 IL 00D0 208 α 00E0	0091 145 i 00A1 161	0092 146 6 00A2 162 00B2 178 T 00C2 194 T 00D2 210 C 00E2 226	0093 147 ú 00A3 163 00B3 179 00C3 195 L 00D3 211 00E3 227	0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 - 00D4 212 Σ 00E4	0095 149 Ñ 00A5 165	0096 150 a 00A6 166 166 182 00C6 198 00D6 214 00E6	0097 151 0 00A7 167 1 00B7 183 1 00C7 199 1 00D7 215 T 00E7	0098 152 2 00A8 168 7 00B8 184 L 00C8 200 + 00D8 216 Ф 00E8	0099 153 r 00A9 169 185 l 00C9 201 J 00D9 217 O0E9	009A 154 ¬ 00AA 170 — 00BA 186 — <u>JL</u> 00CA 202 Γ 00DA 218 Ω	009B 155 1/2 00AB 171 □ 00BB 187 □ 00CB 203 □ 00DB 219 δ 00EB 235	009C 156 1/4 00AC 172 J 00BC 188 IF 00CC 204 ■ 00DC 220 ∞ 00EC	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 00DD 221 Ф 00ED	009E 158 (00AE 174	009F 159 N 00AF 175 00BF 191 00CF 207 00DF 223 ∩ 00EF
Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192 IIL 00D0 208 α 00E0 224	0091 145 i 00A1 161 00B1 177 L 00C1 193 ¬ 00D1 209 ß 00E1 225	0092 146	0093 147 ú 00A3 163 00B3 179 00C3 195 L 00D3 211 00E3	0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 - 00D4 212 Σ 00E4	0095 149 Ñ 00A5 165	0096 150 a 00A6 166 l 00B6 182 l 00C6 198 I 00D6 214 l 00E6 230	0097 151 0 00A7 167 T 00B7 183 H 00C7 199 T 00D7 215 T 00E7 231	0098 152 c 00A8 168 7 00B8 184 L 00C8 200 † 00D8 216 Ф 00E8 232	0099 153 00A9 169 185 00C9 201 00D9 217 00E9 233	009A 154 ¬ 00AA 170 — 00BA 186 — <u>JL</u> 00CA 202 Γ 00DA 218 Ω	009B 155 1/2 00AB 171 □ 00BB 187 □ 00CB 203 □ 00DB 219 δ 00EB	009C 156 1/4 00AC 172	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 00DD 221 Ф 00ED 237	009E 158 « 00AE 174 J 00BE 190 IF 00CE 206 00DE 222 E 00EE 238	009F 159
Hex Dec Char Char	0090 144 á 00A0 160 00B0 176 L 00C0 192 IIL 00D0 208 α 00E0 224 ■	0091 145 i 00A1 161 00B1 177 L 00C1 193 T 00D1 209 ß 00E1 225 ±	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210 Γ 00E2 226 ≥	0093 147 ú 00A3 163	0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 L 00D4 212 ∑ 00E4 228 ∫	0095 149 Ñ 00A5 165	0096 150 a 00A6 166 - 00B6 182 - 00C6 198 - 00D6 214 - 00E6 230	0097 151 0 00A7 167 ∏ 00B7 183 ☐ 00C7 199 ☐ 00D7 215 T 00E7 231	0098 152 2 00A8 168 7 00B8 184 L 00C8 200 + 00D8 216 Ф 00E8 232 •	0099 153 r 00A9 169	009A 154 ¬ 00AA 170 00BA 186 <u>JL</u> 00CA 202 Γ 00DA 218 Ω 00EA 234	009B 155 1/2 00AB 171 □ 00BB 187 □ 00CB 203 □ 00DB 219 5 00EB 235 √	009C 156 1/4 00AC 172 J 00BC 188 I F 00CC 204 ■ 00DC 220 ∞ 00EC 236 n	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 00DD 221 Ф 00ED 237 2	009E 158 (Comparison of the comparison of the c	009F 159 N 00AF 175 00BF 191 00CF 207 00DF 223 ∩ 00EF 239 NBSP



PC850 CODE TABLE (Multilingual)

Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Char Hex Dec Char	\$P 0020 32	. 0021 33 1 0031 49 A 0041 65 Q 0051 81 a 0061 97	" 0022 34 2 0032 50 B 0042 66 R 0052 82 b 0062	# 0023 35 3 0033 51 C 0043 67 S 0053 83 C	\$ 0024 36 4 0034 52 D 0044 68 T 0054 84 d	% 0025 37 5 0035 53 E 0045 69 U 0055 85	8 0026 38 6 0036 54 F 0046 70 V 0056	0027 39 7 0037 55 G 0047 71	0028 40 8 0038 56 H 0048 72) 0029 41 9 0039 57 I 0049 73	* 002A 42 : 003A 58 J 004A 74	+ 002B 43 ; 003B 59 K 004B 75	, 002C 44	- 002D 45 = 003D 61 M 004D	. 002E 46 > 003E 62 N 004E 78	7 002F 47 ? 003F 63 O 004F
Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Dec	32 0 0030 48 0040 64 P 0050 80 0060 96	33 1 0031 49 A 0041 65 Q 0051 81 a 0061	34 2 0032 50 B 0042 66 R 0052 82 b	35 3 0033 51 C 0043 67 S 0053 83 C	36 4 0034 52 D 0044 68 T 0054 84	37 5 0035 53 E 0045 69 U 0055	38 6 0036 54 F 0046 70 V	39 7 0037 55 G 0047 71	40 8 0038 56 H 0048 72	41 9 0039 57 I 0049	42 : 003A 58 J 004A	43 ; 003B 59 K 004B	44 V 003C 60 L 004C	45 = 003D 61 M 004D	46 > 003E 62 N 004E	47 ? 003F 63 O
Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec	0 0030 48 @ 0040 64 P 0050 80 ` 0060 96	1 0031 49 A 0041 65 Q 0051 81 a	2 0032 50 B 0042 66 R 0052 82 b	3 0033 51 C 0043 67 S 0053 83 C	4 0034 52 D 0044 68 T 0054 84	5 0035 53 E 0045 69 U	6 0036 54 F 0046 70 V	7 0037 55 G 0047 71	8 0038 56 H 0048 72	9 0039 57 I 0049	: 003A 58 J 004A	; 003B 59 K 004B	V 003C 60 L 004C	= 003D 61 M 004D	> 003E 62 N 004E	? 003F 63 O
Hex Dec Char Hex Dec Char Hex Dec	0030 48 @ 0040 64 P 0050 80 0060 96	0031 49 A 0041 65 Q 0051 81 a	0032 50 B 0042 66 R 0052 82 b	0033 51 C 0043 67 S 0053 83	0034 52 D 0044 68 T 0054 84	0035 53 E 0045 69 U 0055	0036 54 F 0046 70 V	0037 55 G 0047 71	0038 56 H 0048 72	0039 57 I 0049	003A 58 J 004A	003B 59 K 004B	003C 60 L 004C	003D 61 M 004D	003E 62 N 004E	003F 63 O
Dec Char Hex Dec Char Hex Dec	48 @ 0040 64 P 0050 80 ` 0060 96	49 A 0041 65 Q 0051 81 a 0061	50 B 0042 66 R 0052 82 b	51 C 0043 67 S 0053 83 C	52 D 0044 68 T 0054 84	53 E 0045 69 U 0055	54 F 0046 70 V	55 G 0047 71	56 H 0048 72	57 I 0049	58 J 004A	59 K 004B	60 L 004C	61 M 004D	62 N 004E	63 O
Char Hex Dec Char Hex Dec	0040 64 P 0050 80 0060 96	A 0041 65 Q 0051 81 a 0061	B 0042 66 R 0052 82 b	0043 67 S 0053 83	D 0044 68 T 0054 84	E 0045 69 U 0055	F 0046 70 V	G 0047 71	H 0048 72	I 0049	J 004A	K 004B	L 004C	M 004D	N 004E	0
Hex Dec Char Hex Dec	0040 64 P 0050 80	0041 65 Q 0051 81 a 0061	0042 66 R 0052 82 b	0043 67 S 0053 83 C	0044 68 T 0054 84	0045 69 U 0055	0046 70 V	0047 71	0048 72	0049	004A	004B	004C	004D	004E	
Dec Char Hex Dec	64 P 0050 80 . 0060 96	65 Q 0051 81 a 0061	66 R 0052 82 b	67 S 0053 83 C	68 T 0054 84	69 U 0055	70 V	71	72							004F
Char Hex Dec	P 0050 80	Q 0051 81 a 0061	R 0052 82 b	\$ 0053 83 C	T 0054 84	U 0055	V			73	74	75	76	77	78	
Hex Dec	0050 80	0051 81 a 0061	0052 82 b	0053 83 C	0054 84	0055	_	W			· · ·	7.5			, 0	79
Dec	80 0060 96 p	81 a 0061	82 b	83 C	84		0056		X	Υ	Z	[١]	^	_
	, 0060 96 p	a	b	С		85		0057	0058	0059	005A	005B	005C	005D	005E	005F
Char	0060 96 p	0061			Ч		86	87	88	89	90	91	92	93	94	95
	96 p		0062		u	е	f	g	h	i	j	k	ı	m	n	0
Hex	р	97		0063	0064	0065	0066	0067	0068	0069	006A	006B	006C	006D	006E	006F
Dec	· ·		98	99	100	101	102	103	104	105	106	107	108	109	110	111
Char	I	q	r	s	t	u	V	w	х	у	z	{		}	~	Δ
Hex	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	007A	007B	007C	007D	007E	007F
Dec	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
Char	Ç	ü	é	â	ä	à	å	Ç	ê	ë	è	ï	î	ì	Ä	Å
Hex	0800	0081	0082	0083	0084	0085	0086	0087	0088	0089	008A	008B	008C	008D	008E	008F
Dec	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
Char	É	æ	Æ	ô	ö	Ò	û	ù	ÿ	Ö	Ü	Ø	£	Ø	×	f
Hex	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	009A	009B	009C	009D	009E	009F
Dec	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
Char	á	ĺ	Ó	ú	ñ	Ñ	а	0	خ	®	_	1/2	1/4	i	«	»
Hex	00A0	00A1	00A2	00A3	00A4	00A5	00A6	00A7	00A8	00A9	00AA	00AB	00AC	00AD	00AE	00AF
Dec	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
Char		******			-	Á	Â	À	0	4		٦		¢	¥	₇
Hex	00B0	00B1	00B2	00B3	00B4	00B5	00B6	00B7	00B8	00B9	00BA	00BB	00BC	00BD	00BE	00BF
Dec	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191
Char	L	Τ	Т	 -	_	+	ã	Ã	∟	F	누	⊣	까	=	뉴	¤
Hex	00C0	00C1	00C2	00C3	00C4	00C5	00C6	00C7	00C8	00C9	00CA	00CB	00CC	00CD	00CE	00CF
Dec	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207
Char	ð	Ð	Ê	Ë	È	ı	ĺ	Î	Ϊ		Г			-	Ì	
Hex	00D0	00D1	00D2	00D3	00D4	00D5	00D6	00D7	00D8	00D9	00DA	00DB	00DC	00DD	00DE	00DF
Dec	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223
Char	Ó	ß	Ô	Ò	õ	Õ	μ	þ	Þ	Ú	Û	Ù	ý	Ý	_	,
Hex	00E0	00E1	00E2	00E3	00E4	00E5	00E6	00E7	00E8	00E9	00EA	00EB	00EC	00ED	00EE	00EF
Dec	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239
Char	SHY	±		3/4	¶	§	÷		0			1	3	2		NBSP
Hex	00F0	00F1	= 00F2	00F3	00F4	00F5	00F6	00F7	00F8	00F9	00FA	00FB	00FC	00FD	00FE	00FF
Dec	240	241	242	243	244	245	246	247	248	249	250	251	252	253	251	255
Hex Dec	00E0 224	00E1	00E2 226	00E3	00E4	00E5	230		00E8 232	00E9 233	00EA	00EB 235	236	00ED 237	238	239



PC860 CODE TABLE (Portuguese)

Ohaa	CD		66	ш	<u> </u>	0/	0	6	,		*					
Char	SP	!		#	\$	%	&		()		+	,	-		/
Hex -	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	002A	002B	002C	002D	002E	002F
Dec	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Char	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
Hex	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	003A	003B	003C	003D	003E	003F
Dec	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Char	@	A	В	С	D	E	F	G	Н		J	K	L	M	N	0
Hex	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	004A	004B	004C	004D	004E	004F
Dec	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
Char	P	Q	R	S	T	U	V	W	X	Υ	Z	[١]	٨	_
Hex	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	005A	005B	005C	005D	005E	005F
Dec	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
Char	`	а	b	С	d	е	f	g	h	i	j	k	- 1	m	n	0
Hex	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	006A	006B	006C	006D	006E	006F
Dec	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
Char	р	q	r	s	t	u	v	w	х	у	z	{		}	~	
Hex	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	007A	007B	007C	007D	007E	007F
Dec	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
Char	Ç	ü	é	â	ã	à	Á	ç	ê	Ê	è	ĺ	Ô	ì	Ã	Â
Hex	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	008A	008B	008C	008D	008E	008F
Dec	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
Char	É	À	È	ô	ö	ò	Ú	ù	ì	Õ	Ü	¢	£	Ù	Pts	Ó
Char Hex	É 0090	À 0091	È 0092	ô 0093	Ö 0094	Ò 0095	Ú 0096	ù 0097	Ì 0098	Õ 0099	Ü 009A	¢ 009B	£ 009C	Ù 009D	Pts 009E	Ó 009F
							_					l '				
Hex	0090	0091	0092	0093	0094	0095	0096	0097	0098 152	0099	009A	009B	009C	009D 157	009E	009F
Hex Dec	0090 144	0091 145	0092 146	0093 147	0094 148	0095 149	0096 150	0097 151	0098	0099 153	009A 154	009B 155	009C 156	009D	009E 158	009F 159
Hex Dec Char	0090 144 á	0091 145 Í	0092 146 Ó	0093 147 Ú	0094 148 ñ	0095 149 Ñ	0096 150 a	0097 151 o	0098 152 ¿	0099 153 Ò	009A 154	009B 155 1/2	009C 156 1/4	009D 157	009E 158 «	009F 159 »
Hex Dec Char Hex	0090 144 á 00A0 160	0091 145 Í 00A1 161	0092 146 Ó 00A2 162	0093 147 Ú 00A3	0094 148 ñ 00A4 164	0095 149 Ñ 00A5 165	0096 150 a 00A6 166	0097 151 o 00A7 167	0098 152 ¿ 00A8 168	0099 153 Ò 00A9 169	009A 154 ¬ 00AA 170	009B 155 1/2 00AB 171	009C 156 1/4 00AC	009D 157 i 00AD	009E 158 « 00AE	009F 159 >> 00AF 175
Hex Dec Char Hex Dec	0090 144 á 00A0	0091 145 Í 00A1	0092 146 Ó 00A2	0093 147 Ú 00A3	0094 148 ñ 00A4	0095 149 Ñ 00A5	0096 150 a 00A6	0097 151 o 00A7	0098 152 ¿ 00A8	0099 153 Ò 00A9	009A 154 ¬ 00AA	009B 155 1/2 00AB	009C 156 1/4 00AC 172	009D 157 i 00AD 173	009E 158 « 00AE 174	009F 159 » 00AF
Hex Dec Char Hex Dec Char	0090 144 á 00A0 160	0091 145 Í 00A1 161	0092 146 Ó 00A2 162	0093 147 Ú 00A3 163	0094 148 ñ 00A4 164	0095 149 Ñ 00A5 165	0096 150 a 00A6 166	0097 151 o 00A7 167	0098 152 2 00A8 168	0099 153 Ò 00A9 169	009A 154 ¬ 00AA 170	009B 155 ½ 00AB 171	009C 156 1/4 00AC 172	009D 157 i 00AD 173	009E 158 « 00AE 174	009F 159 » 00AF 175
Hex Dec Char Hex Dec Char Hex	0090 144 á 00A0 160	0091 145 Í 00A1 161	0092 146 Ó 00A2 162 1 00B2 178	0093 147 Ú 00A3 163 00B3 179	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 = 00B5 181	0096 150 a 00A6 166 	0097 151 0 00A7 167 TI 00B7 183	0098 152 ¿ 00A8 168 ¬ 00B8	0099 153 Ò 00A9 169 	009A 154 ¬ 00AA 170 00BA	009B 155 ½ 00AB 171 ٦ 00BB 187	009C 156 1/4 00AC 172 	009D 157 i 00AD 173 JJ 00BD	009E 158 « 00AE 174 J 00BE 190	009F 159 >> 00AF 175 7 00BF
Hex Dec Char Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176	0091 145 Í 00A1 161 	0092 146 Ó 00A2 162	0093 147 Ú 00A3 163 00B3	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 = 00B5	0096 150 a 00A6 166 - 00B6	0097 151 0 00A7 167 T 00B7	0098 152 ¿ 00A8 168 ¬ 00B8 184	0099 153 Ò 00A9 169 	009A 154 ¬ 00AA 170 00BA 186	009B 155 ½ 00AB 171 1 00BB	009C 156 1/4 00AC 172 1 00BC	009D 157 i 00AD 173 JJ 00BD 189	009E 158 « 00AE 174 _ 00BE	009F 159 >> 00AF 175 7 00BF 191
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176	0091 145 Í 00A1 161 	0092 146 Ó 00A2 162 00B2 178	0093 147 Ú 00A3 163 00B3 179	0094 148 ñ 00A4 164 - 00B4 180	0095 149 Ñ 00A5 165 = 00B5 181	0096 150 a 00A6 166 - 00B6 182	0097 151 0 00A7 167 Tl 00B7 183	0098 152 2 00A8 168 7 00B8 184	0099 153 Ò 00A9 169 	009A 154 ¬ 00AA 170 00BA 186 	009B 155 ½ 00AB 171 ∏ 00BB 187	009C 156 1/4 00AC 172 1 00BC 188	009D 157 i 00AD 173 JJ 00BD 189	009E 158 « 00AE 174 J 00BE 190	009F 159 » 00AF 175 ¬ 00BF 191 —
Hex Dec Char Hex Dec Char Hex Dec Char Hex Hex	0090 144 á 00A0 160 00B0 176 L	0091 145 í 00A1 161 	0092 146 ó 00A2 162 00B2 178 T 00C2 194	0093 147 Ú 00A3 163 00B3 179 - 00C3	0094 148 n 00A4 164 	0095 149 Ñ 00A5 165 = 00B5 181 + 00C5 197	0096 150 a 00A6 166 	0097 151 0 00A7 167 7 00B7 183 1 00C7 199	0098 152 ¿ 00A8 168 ¬ 00B8 184 L L 00C8 200	0099 153 Ò 00A9 169 	009A 154 ¬ 00AA 170 — 00BA 186 — <u>JL</u> 00CA 202	009B 155 1/2 00AB 171 1 00BB 187 1F 00CB	009C 156 1/4 00AC 172 1 00BC 188 1 00CC 204	009D 157 i 00AD 173 J 00BD 189 = 00CD 205	009E 158 « 00AE 174 J 00BE 190 L 00CE	009F 159 >> 00AF 175 ¬ 00BF 191 — 00CF
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Char Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192	0091 145 í 00A1 161 	0092 146 ó 00A2 162 00B2 178 T 00C2 194	0093 147 Ú 00A3 163 00B3 179 - 00C3 195 L	0094 148 ñ 000A4 164 	0095 149 Ñ 00A5 165 00B5 181 00C5 197	0096 150 a 00A6 166 - 00B6 182 = 00C6 198	0097 151 0 00A7 167 Tl 00B7 183 H- 00C7 199	0098 152 ¿ 00A8 168 ¬ 00B8 184 L 00C8 200	0099 153 Ô 00A9 169 	009A 154 ¬ 00AA 170 Ш 00BA 186 <u>JL</u> 00CA 202	009B 155 1/2 00AB 171 1 00BB 187 1F 00CB 203	009C 156 1/4 00AC 172 1 00BC 188 1 00CC 204	009D 157 i 00AD 173 J 00BD 189 = 00CD 205	009E 158 (00AE 174 (00BE 190 (10CE 206 (10CE)	009F 159
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192	0091 145 í 00A1 161 	0092 146 ó 00A2 162 00B2 178 T 00C2 194	0093 147 Ú 00A3 163	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 = 00B5 181 + 00C5 197	0096 150 a 00A6 166 	0097 151 0 00A7 167 7 00B7 183 1 00C7 199	0098 152 ¿ 00A8 168 ¬ 00B8 184 L L 00C8 200	0099 153 Ò 00A9 169 	009A 154 ¬ 00AA 170 — 00BA 186 — <u>JL</u> 00CA 202	009B 155 1/2 00AB 171 1 00BB 187 1F 00CB	009C 156 1/4 00AC 172 1 00BC 188 1 00CC 204	009D 157 i 00AD 173 J 00BD 189 = 00CD 205	009E 158 « 00AE 174 J 00BE 190 L 00CE	009F 159 >> 00AF 175 ¬ 00BF 191 — 00CF
Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192 IIL 00D0 208	0091 145 i 00A1 161 iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210	0093 147 Ú 00A3 163 00B3 179 - 00C3 195 L 00D3 211	0094 148 ñ 000A4 164 	0095 149 Ñ 00A5 165 00B5 181 00C5 197 00D5 213	0096 150 a 00A6 166 - 00B6 182 - - 00C6 198 - - 00D6 214	0097 151 0 00A7 167 T 00B7 183 H- 00C7 199 H- 00D7 215	0098 152 2 00A8 168 7 00B8 184 L 00C8 200 + 00D8 216	0099 153 Ô 00A9 169 	009A 154 ¬ 00AA 170 00BA 186 <u>JL</u> 00CA 202	009B 155 1/2 00AB 171 ¬¬¬ 00BB 187 ¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬	009C 156 1/4 00AC 172 11 00BC 188 11 00CC 204	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 00DD 221	009E 158 (00AE 174 (00BE 190 (10CE 206 (00DE 222	009F 159
Hex Dec Char Char Hex Dec Char	0090 144 á 00A0 160 00B0 176 L 00C0 192 JL 00D0 208	0091 145 i 00A1 161 00B1 177 L 00C1 193 \tag{7} 00D1 209 ß	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210	0093 147 ú 00A3 163 00B3 179 00C3 195 L 00D3 211 T	0094 148 n 00A4 164 - 00B4 180 - 00C4 196 - 00D4 212	0095 149 Ñ 00A5 165 00B5 181 00C5 197 F 00D5 213	0096 150 a 00A6 166 - 00B6 182 - -	0097 151 0 00A7 167 П 00B7 183 00C7 199 00D7 215 T	0098 152 c 00A8 168 R 00B8 184 L 00C8 200 R 00D8 216	0099 153 O 00A9 169 00B9 185 00C9 201	009A 154 ¬ 00AA 170 00BA 186 <u>JL</u> 00CA 202 Γ 00DA 218 Ω	009B 155 1/2 00AB 171 □ 00BB 187 □ 00CB 203 □ 00DB 219 δ	009C 156 1/4 00AC 172	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD 221 Ф	009E 158 (Comparison of the comparison of the c	009F 159
Hex Dec Char Hex Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192 IL 00D0 208 α 00E0	0091 145 i 00A1 161	0092 146	0093 147 Ú 00A3 163 00B3 179 00C3 195 00D3 211 TT 00E3	0094 148	0095 149 Ñ 00A5 165 00B5 181 00C5 197 00D5 213 O 00E5	0096 150 a 00A6 166 166 182 00C6 198 00D6 214 00E6	0097 151 0 00A7 167 1 00B7 183 1 00C7 199 1 00D7 215 T 00E7	0098 152 c 00A8 168 7 00B8 184 L 00C8 200 † 00D8 216 Ф 00E8	0099 153 O 00A9 169 00B9 185 00C9 201	009A 154 ¬ 00AA 170 — 00BA 186 — <u>JL</u> 00CA 202 Γ 00DA 218 Ω	009B 155 1/2 00AB 171 □ 00BB 187 □ 00CB 203 □ 00DB 219 δ 00EB	009C 156 1/4 00AC 172 J 00BC 188 IF 00CC 204 ■ 00DC 220 ∞ 00EC	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 00DD 221 Ф 00ED	009E 158 (Compare) (Compa	009F 159
Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192 IIL 00D0 208 α 00E0 224	0091 145 i 00A1 161	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210 Γ 00E2 226	0093 147 ú 00A3 163 00B3 179 00C3 195 00D3 211 TT 00E3 227	0094 148 n 00A4 164 - 00B4 180 - 00C4 196 - 00D4 212	0095 149 Ñ 00A5 165 00B5 181 00C5 197 F 00D5 213	0096 150 a 00A6 166 - 00B6 182 - 00C6 198 - 00D6 214 - 00E6 230	0097 151 0 00A7 167 T 00B7 183 H 00C7 199 T 00D7 215 T 00E7 231	0098 152 i 00A8 168 Responsible to the content of	0099 153 O 00A9 169 00B9 185 00C9 201	009A 154 ¬ 00AA 170 00BA 186 <u>JL</u> 00CA 202 Γ 00DA 218 Ω	009B 155 1/2 00AB 171 □ 00BB 187 □ 00CB 203 □ 00DB 219 δ 00EB 235	009C 156 1/4 00AC 172 □ 00BC 188 □ 00CC 204 ■ 00DC 220 ∞ 00EC 236	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD 221 Ф	009E 158 (Comparison of the comparison of the c	009F 159 N 00AF 175 □ 00BF 191 □ 00CF 207 □ 00DF 223 □ 00EF 239
Hex Dec Char Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192 IIL 00D0 208 α 00E0 224 ■	0091 145 i 00A1 161 00B1 177 L 00C1 193 T 00D1 209 ß 00E1 225 ±	0092 146	0093 147 ú 00A3 163	0094 148	0095 149 Ñ 00A5 165 00B5 181 00C5 197 00D5 213 00E5 229 J	0096 150 a 00A6 166 - 00B6 182 - 00C6 198 - 00D6 214 - 00E6 230	0097 151 0 00A7 167 ∏ 00B7 183 ☐ 00C7 199 ☐ 00D7 215 ▼ 00E7 231	0098 152 i 00A8 168 number of the content of the	0099 153 O 00A9 169 00B9 185 00C9 201	009A 154 ¬ 00AA 170 00BA 186 <u>JL</u> 00CA 202 Γ 00DA 218 Ω 00EA 234	009B 155 1/2 00AB 171 □ 00BB 187 □ 00CB 203 □ 00DB 219 5 00EB 235 √	009C 156 1/4 00AC 172 J 00BC 188 L 00CC 204 ■ 00DC 220 ∞ 00EC 236 n	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 00DD 221 Ф 00ED 237 2	009E 158 (Compared to the compared to the com	009F 159 N 00AF 175 ¬ 00BF 191 — 00CF 207 — 00DF 223 ∩ 00EF 239 NBSP
Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192 IIL 00D0 208 α 00E0 224	0091 145 i 00A1 161	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210 Γ 00E2 226	0093 147 ú 00A3 163 00B3 179 00C3 195 00D3 211 TT 00E3 227	0094 148	0095 149 Ñ 00A5 165 00B5 181 00C5 197 00D5 213 O 00E5	0096 150 a 00A6 166 - 00B6 182 - 00C6 198 - 00D6 214 - 00E6 230	0097 151 0 00A7 167 T 00B7 183 H 00C7 199 T 00D7 215 T 00E7 231	0098 152 i 00A8 168 7 00B8 184 L 00C8 200 † 00D8 216 Ф 00E8 232	0099 153 O 00A9 169 00B9 185 00C9 201	009A 154 ¬ 00AA 170 — 00BA 186 — <u>JL</u> 00CA 202 Γ 00DA 218 Ω	009B 155 1/2 00AB 171 □ 00BB 187 □ 00CB 203 □ 00DB 219 δ 00EB 235	009C 156 1/4 00AC 172 □ 00BC 188 □ 00CC 204 ■ 00DC 220 ∞ 00EC 236	009D 157 i 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD 221 Ф 00ED 237	009E 158 (Comparison of the comparison of the c	009F 159 N 00AF 175 □ 00BF 191 □ 00CF 207 □ 00DF 223 □ 00EF 239



PC863 CODE TABLE (Canadian, French)

Char	SP	!	"	#	\$	%	&	6	()	*	+	,	_	_	1
Hex	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	002A	002B	002C	002D	002E	002F
Dec	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Char	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
Hex	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	003A	003B	003C	003D	003E	003F
Dec	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Char	@	Α	В	С	D	Е	F	G	Н	ı	J	K	L	М	N	0
Hex	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	004A	004B	004C	004D	004E	004F
Dec	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
Char	Р	Q	R	S	Т	U	٧	W	Х	Υ	Z	[١]	٨	
Hex	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	005A	005B	005C	005D	005E	005F
Dec	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
Char	,	а	b	С	d	е	f	g	h	i	j	k	I	m	n	0
Hex	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	006A	006B	006C	006D	006E	006F
Dec	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
Char	р	q	r	s	t	u	V	w	х	у	Z	{		}	~	Δ
Hex	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	007A	007B	007C	007D	007E	007F
Dec	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
Char	Ç	ü	é	â	Â	à	¶	Ç	ê	ë	è	ï	î	_	À	§
Hex	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	008A	008B	008C	008D	008E	008F
Dec	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
				<u> </u>												
Char	É	È	Ê	ô	Ë	Ϊ	û	ù	¤	Ô	Ü	¢	£	Ù	Û	f
Char Hex	É 0090	È 0091	Ê 0092	ô 0093	Ë 0094	Ï 0095	û 0096	ù 0097	0098	Ô 0099	Ü 009A	¢ 009B	£ 009C	Ù 009D	Û 009E	f 009F
					0094 148	-			0098 152			· ·				
Hex	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	009A	009B	009C	009D	009E	009F
Hex Dec	0090 144 I	0091 145	0092 146	0093 147	0094 148	0095 149	0096 150	0097	0098 152	0099 153	009A 154	009B 155	009C 156	009D 157	009E 158	009F 159
Hex Dec Char	0090 144 1 00A0 160	0091 145 , 00A1 161	0092 146 Ó 00A2 162	0093 147 Ú	0094 148	0095 149 00A5 165	0096 150 3 00A6 166	0097 151	0098 152 Î	0099 153 F 00A9 169	009A 154 ¬ 00AA 170	009B 155 1/2	009C 156 1/4 00AC 172	009D 157 3/4 00AD 173	009E 158 « 00AE 174	009F 159 »
Hex Dec Char Hex	0090 144 ! 00A0	0091 145 ,	0092 146 Ó 00A2	0093 147 Ú 00A3	0094 148 •• 00A4	0095 149 00A5	0096 150 3 00A6	0097 151 — 00A7	0098 152 Î 00A8	0099 153 F 00A9	009A 154 ¬ 00AA	009B 155 1/2 00AB	009C 156 1/4 00AC	009D 157 3/4 00AD	009E 158 « 00AE	009F 159 » 00AF
Hex Dec Char Hex Dec	0090 144 1 00A0 160	0091 145 , 00A1 161	0092 146 Ó 00A2 162	0093 147 Ú 00A3	0094 148 •• 00A4	0095 149 00A5 165	0096 150 3 00A6 166	0097 151 — 00A7 167	0098 152 Î 00A8 168	0099 153 F 00A9 169	009A 154 ¬ 00AA 170	009B 155 1/2 00AB 171	009C 156 1/4 00AC 172	009D 157 3/4 00AD 173	009E 158 « 00AE 174	009F 159 » 00AF 175
Hex Dec Char Hex Dec Char	0090 144 1 00A0 160 00B0 176	0091 145 00A1 161 	0092 146 Ó 00A2 162	0093 147 Ú 00A3 163 00B3 179	0094 148 00A4 164	0095 149 00A5 165 = 00B5 181	0096 150 3 00A6 166	0097 151 — 00A7 167 — 1 00B7 183	0098 152 Î 00A8 168 ¬ 00B8 184	0099 153 F 00A9 169	009A 154 7 00AA 170 1 00BA 186	009B 155 1/2 00AB 171	009C 156 1/4 00AC 172 <u>J</u> 00BC 188	009D 157 3/4 00AD 173	009E 158 « 00AE 174 J 00BE 190	009F 159 >> 00AF 175 7 00BF 191
Hex Dec Char Hex Dec Char Hex	0090 144 1 00A0 160	0091 145 , 00A1 161 , 00B1	0092 146 Ó 00A2 162	0093 147 Ú 00A3 163 00B3	0094 148 00A4 164 - 00B4	0095 149 00A5 165 = 00B5	0096 150 3 00A6 166 1 00B6	0097 151 — 00A7 167 — 00B7	0098 152 Î 00A8 168 ¬ 00B8	0099 153 F 00A9 169 1	009A 154 ¬ 00AA 170 00BA	009B 155 ½ 00AB 171 ٦ 00BB	009C 156 1/4 00AC 172 1/3 00BC	009D 157 3/4 00AD 173	009E 158 « 00AE 174 _ 00BE	009F 159 >> 00AF 175 7 00BF
Hex Dec Char Hex Dec Char Hex Dec	0090 144 1 00A0 160 00B0 176	0091 145 00A1 161 	0092 146 Ó 00A2 162 (2) 00B2 178	0093 147 Ú 00A3 163 00B3 179	0094 148 00A4 164 - 00B4	0095 149 00A5 165 = 00B5 181	0096 150 3 00A6 166 	0097 151 — 00A7 167 — 1 00B7 183	0098 152 Î 00A8 168 ¬ 00B8 184	0099 153 F 00A9 169 4 00B9 185	009A 154 7 00AA 170 1 00BA 186	009B 155 ½ 00AB 171 ¬ 00BB 187	009C 156 1/4 00AC 172 <u>J</u> 00BC 188	009D 157 3/4 00AD 173	009E 158 « 00AE 174 J 00BE 190	009F 159 >> 00AF 175 7 00BF 191
Hex Dec Char Hex Dec Char Hex Char Hex Char	0090 144 1 00A0 160 00B0 176 L 00C0 192	0091 145 00A1 161 	0092 146 Ó 00A2 162 00B2 178	0093 147 Ú 00A3 163 00B3 179 - 00C3 195	0094 148 00A4 164 - 00B4 180 - 00C4 196	0095 149 00A5 165 = 00B5 181	0096 150 3 00A6 166 4 00B6 182	0097 151 	0098 152 Î 00A8 168 ¬ 00B8 184 L 00C8 200	0099 153 F 00A9 169 4 00B9 185 F 00C9 201	009A 154 ¬ 00AA 170 — 00BA 186 —	009B 155 ½ 00AB 171 ∏ 00BB 187	009C 156 1/4 00AC 172 1 00BC 188	009D 157 3/4 00AD 173 JJ 00BD 189 = 00CD 205	009E 158 « 00AE 174 <u>J</u> 00BE 190 <u>H</u> 00CE 206	009F 159 » 00AF 175 ¬ 00BF 191 <u>L</u>
Hex Dec Char Hex Dec Char Hex Dec Char Hex Hex	0090 144 1 00A0 160 00B0 176 L	0091 145 . 00A1 161	0092 146 Ó 00A2 162 1 00B2 178 T 00C2	0093 147 Ú 00A3 163 00B3 179 - 00C3	0094 148 00A4 164 - 00B4 180 - 00C4	0095 149 00A5 165 = 00B5 181 + 00C5	0096 150 3 00A6 166 4 00B6 182 =	0097 151 - 00A7 167 - 1 00B7 183 - 00C7	0098 152 Î 00A8 168 7 00B8 184 L 00C8	0099 153 F 00A9 169 4 00B9 185 F 00C9	009A 154 7 00AA 170 1 00BA 186 1 L	009B 155 1/2 00AB 171 1 00BB 187 1F 00CB	009C 156 1/4 00AC 172 1 00BC 188	009D 157 3/4 00AD 173 JJ 00BD 189 = 00CD	009E 158 « 00AE 174 <u>J</u> 00BE 190 <u>L</u> 00CE	009F 159 >> 00AF 175 00BF 191 L 00CF
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Dec	0090 144 1 00A0 160 00B0 176 L 00C0 192	0091 145 00A1 161 00B1 177 L 00C1 193	0092 146 ó 00A2 162 00B2 178 T 00C2 194	0093 147 Ú 00A3 163 00B3 179 - 00C3 195	0094 148 00A4 164 - 00B4 180 - 00C4 196	0095 149 3 00A5 165 = 00B5 181 + 00C5 197	0096 150 3 00A6 166 - 00B6 182 = 00C6 198	0097 151 	0098 152 Î 00A8 168 ¬ 00B8 184 L 00C8 200	0099 153 F 00A9 169 4 00B9 185 F 00C9 201	009A 154 ¬ 00AA 170 — 00BA 186 — 1L 00CA 202	009B 155 1/2 00AB 171 1 00BB 187 1F 00CB	009C 156 1/4 00AC 172 1 00BC 188 1 00CC 204	009D 157 3/4 00AD 173 JJ 00BD 189 = 00CD 205	009E 158 « 00AE 174 <u>J</u> 00BE 190 <u>H</u> 00CE 206	009F 159 >> 00AF 175 00BF 191 L 00CF
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Char Hex Dec Char	0090 144 1 00A0 160 00B0 176 L 00C0 192	0091 145 00A1 161 00B1 177 L 00C1 193 T 00D1 209	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210	0093 147 Ú 00A3 163 00B3 179 - 00C3 195 L	0094 148 00A4 164 - 00B4 180 - 00C4 196 - 00D4 212	0095 149 3 00A5 165 4 00B5 181 4 00C5 197	0096 150 3 00A6 166 	0097 151 	0098 152 Î 00A8 168 7 00B8 184 LL 00C8 200 † 00D8 216	0099 153 	009A 154 ¬ 00AA 170 — 00BA 186 — 1L 00CA 202	009B 155 1/2 00AB 171 1 00BB 187 1 00CB 203 00DB 219	009C 156 1/4 00AC 172 1 00BC 188 1 00CC 204	009D 157 3/4 00AD 173 J 00BD 189 = 00CD 205	009E 158 « 00AE 174 J 00BE 190 L 00CE 206	009F 159
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Hex Dec Char	0090 144 1 00A0 160 00B0 176 L 00C0 192 IL	0091 145 00A1 161 00B1 177 L 00C1 193 ¬ 00D1	0092 146 ó 00A2 162 00B2 178 T 00C2 194	0093 147 Ú 00A3 163 00B3 179 00C3 195 L 00D3	0094 148 00A4 164 - 00B4 180 - 00C4 196 - 00D4	0095 149 00A5 165 = 00B5 181 + 00C5 197 F 00D5	0096 150 3 00A6 166 00B6 182 198	0097 151 - 00A7 167 - 183 - 00C7 199 - 0DD7	0098 152 Î 00A8 168 ¬ 00B8 184 L 00C8 200 + 00D8	0099 153	009A 154 7 00AA 170 8 00BA 186 1L 00CA 202	009B 155 1/2 00AB 171 ¬ 00BB 187 ¬ ¬ ¬ 00CB 203	009C 156 1/4 00AC 172 1 00BC 188 1 1 00CC 204	009D 157 3/4 00AD 173 J 00BD 189 = 00CD 205	009E 158 (C) 00AE 174 (E) 00BE 190 (E) 10CE 206 (E) 00DE	009F 159 >> 00AF 175 00BF 191
Hex Dec Char Hex Dec	0090 144 1 00A0 160 00B0 176 L 00C0 192 IL 00D0 208	0091 145 00A1 161 00B1 177 L 00C1 193 T 00D1 209	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210	0093 147 Ú 00A3 163 00B3 179 - 00C3 195 L 00D3 211	0094 148 00A4 164 - 00B4 180 - 00C4 196 - 00D4 212	0095 149 3 00A5 165 = 00B5 181 + 00C5 197 F 00D5 213	0096 150 3 00A6 166 00B6 182 198 00D6 214	0097 151 	0098 152 Î 00A8 168 7 00B8 184 LL 00C8 200 † 00D8 216	0099 153 00A9 169 185 00C9 201 J 00D9 217	009A 154 ¬ 00AA 170 — 00BA 186 — 1L 00CA 202	009B 155 1/2 00AB 171 1 00BB 187 1 00CB 203 00DB 219	009C 156 1/4 00AC 172 1 00BC 188 1 00CC 204	009D 157 3/4 00AD 173 J 00BD 189 = 00CD 205 00DD 221	009E 158 « 00AE 174 J 00BE 190 J 00CE 206 00DE 222	009F 159
Hex Dec Char Char Hex Dec Char	0090 144 1 00A0 160 00B0 176 L 00C0 192 IIL 00D0 208	0091 145 00A1 161 00B1 177 L 00C1 193 T 00D1 209 ß	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210	0093 147 ú 00A3 163 00B3 179 00C3 195 L 00D3 211 T 00E3 227	0094 148 00A4 164 - 00B4 180 - 00C4 196 L 00D4 212	0095 149 3 00A5 165 4 00B5 181 + 00C5 197 F 00D5 213	0096 150 3 00A6 166 	0097 151 - 00A7 167 - 00B7 183 - 00C7 199 - 00D7 215 - T	0098 152 Î 00A8 168 ¬ 00B8 184 L 00C8 200 + 00D8 216 Ф 00E8 232	0099 153 00A9 169 185 00C9 201 00D9 217 O	009A 154 ¬ 00AA 170 — 00BA 186 — L 00CA 202 Γ 00DA 218 Ω	009B 155 1/2 00AB 171 ¬ 00BB 187 ¬ ¬ 00CB 203 ■ 00DB 219 δ	009C 156 1/4 00AC 172 1/3 00BC 188 1/4 00CC 204 00CC 204	009D 157 3/4 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD 221 Ф 00ED 237	009E 158 (00AE 174 (174 (190 (190 (190 (190 (190 (190 (190 (19	009F 159
Hex Dec Char Hex Hex Dec Char Hex Dec	0090 144 1 00A0 160 00B0 176 L 00C0 192 II 00D0 208	0091 145 00A1 161 00B1 1777 L 00C1 193 ¬ 00D1 209 ß 00E1	0092 146	0093 147 Ú 00A3 163 00B3 179 00C3 195 L 00D3 211 00E3	0094 148 00A4 164	0095 149 00A5 165 165 181 00C5 197 F 00D5 213 O 00E5	0096 150 3 00A6 166 182	0097 151 - 00A7 167 - 00B7 183 - 00C7 199 - 00D7 215 - 00E7	0098 152 Î 00A8 168 ¬ 00B8 184 L 00C8 200 + 00D8 216 Ф 00E8	0099 153	009A 154 7 00AA 170 ——————————————————————————————————	009B 155 1/2 00AB 171 100BB 187 1F 00CB 203 00DB 219 5 00EB	009C 156 1/4 00AC 172 J 00BC 188 IF 00CC 204 ■ 00DC 220 ∞ 00EC	009D 157 3/4 00AD 173	009E 158	009F 159 N 00AF 175 00BF 191 00CF 207 00DF 223 ∩ 00EF
Hex Dec Char Hex Dec	0090 144 1 00A0 160 00B0 176 L 00C0 192 IIL 00D0 208	0091 145 00A1 161 00B1 177 L 00C1 193 T 00D1 209 ß 00E1 225	0092 146 ó 00A2 162 00B2 178 T 00C2 194 T 00D2 210 Γ 00E2 226	0093 147 ú 00A3 163 00B3 179 00C3 195 L 00D3 211 T 00E3 227	0094 148 00A4 164	0095 149 00A5 165 165 181 00C5 197 F 00D5 213 O 00E5	0096 150 3 00A6 166 00B6 182 198 00D6 214 00E6 230	0097 151 - 00A7 167 - 00B7 183 - 00C7 199 - 00D7 215 - 00E7 231	0098 152 Î 00A8 168 ¬ 00B8 184 L 00C8 200 + 00D8 216 Ф 00E8 232	0099 153	009A 154 7 00AA 170 ——————————————————————————————————	009B 155 1/2 00AB 171 ¬¬ 00BB 187 ¬¬ ¬¬ ¬¬ 00CB 203 ■ 00DB 219 δ 00EB 235	009C 156 1/4 00AC 172	009D 157 3/4 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD 221 Ф 00ED 237	009E 158 (Comparison of the comparison of the c	009F 159

PC865 CODE TABLE (Nordic)

Char	SP	!	"	#	\$	%	&	6	1	١	*	+		_		/
Hex	0020	0021	0022	0023	Ψ 0024	0025	0026	0027	0028	0029	002A	002B	, 002C	002D	002E	002F
Dec	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Char	0	1	2	3	4	5	6	7	8	9	•		<	=	>	?
Hex	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	003A	, 003B	003C	003D	003E	003F
Dec	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Char	@	A	В	C	D	E	F	G	H	I	J	K	L	M	N	o
Hex	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	004A	004B	004C	004D	004E	004F
Dec	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
Char	P	Q	R	S	T	U	V	W	X	Y	Z		١]	Λ	10
Hex	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	005A	005B	005C	J 005D	005E	— 005F
Dec	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
Char	•		-		d		f		h	i		k	J			-
Hex	0060	a	0062	0063	0064	e 0065	0066	9	0068	0069	j 006A	006B	006C	m 006D	n 006E	0 006F
Dec	96	97	98	99	100	101	102	103	104	105	106A	107	108	109	110	111
Char			 										100 I		~	.
	p	q	r	S	t	u 0075	0076	W	X	y	Z	{	0070	}		
Hex Dec	0070 112	0071 113	0072	0073	0074 116	0075 117	0076 118	0077 119	0078 120	0079 121	007A 122	007B 123	007C 124	007D 125	007E 126	007F 127
		ü	_	-	_						,		î			Å
Char	Ç	1	ė	â	ä	à	å	Ç	ê	ë	e	Ï		ì	A	
Hex Dec	0080 128	0081 129	130	0083	0084 132	0085 133	0086 134	0087 135	0088 136	0089 137	008A 138	008B 139	008C 140	008D 141	008E 142	008F 143
Dec	1 120	129														
Ohan																
Char	É	æ	Æ	ô	ö	Ò	û	ù	ÿ	Ö	Ü	Ø	£	Ø	Pts	f
Hex	É 0090	æ	Æ 0092	ô 0093	Ö 0094	ò 0095	û 0096	ù 0097	ÿ 0098	Ö 0099	Ü 009A	Ø 009B	£ 009C	Ø 009D	Pts 009E	f 009F
Hex Dec	É 0090 144	æ 0091 145	Æ 0092 146	ô 0093 147	Ö 0094 148	Ò 0095 149	û 0096 150	Ù 0097 151	ÿ 0098 152	Ö 0099 153	Ü 009A 154	Ø 009B 155	£ 009C 156	Ø 009D 157	Pts 009E 158	f 009F 159
Hex Dec Char	É 0090 144 á	æ 0091 145	Æ 0092 146	ô 0093 147 Ú	Ö 0094 148 ñ	Ò 0095 149 Ñ	û 0096 150 a	ù 0097 151	ÿ 0098 152	Ö 0099 153	Ü 009A 154	Ø 009B 155	£ 009C 156	Ø 009D 157	Pts 009E 158	f 009F 159
Hex Dec Char Hex	É 0090 144 á 00A0	æ 0091 145 Í 00A1	Æ 0092 146 ó 00A2	ô 0093 147 Ú 00A3	Ö 0094 148 Ñ 00A4	Ò 0095 149 Ñ 00A5	û 0096 150 a 00A6	ù 0097 151 o 00A7	ÿ 0098 152 ¿ 00A8	Ö 0099 153 F 00A9	Ü 009A 154 ¬ 00AA	Ø 009B 155 1/2 00AB	£ 009C 156 1/4 00AC	Ø 009D 157 i 00AD	Pts 009E 158 00AE	f 009F 159 m 00AF
Hex Dec Char Hex Dec	É 0090 144 á	æ 0091 145 í 00A1 161	Æ 0092 146 ó 00A2 162	ô 0093 147 Ú	Ö 0094 148 ñ	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166	ù 0097 151	ÿ 0098 152	Ö 0099 153 - 00A9 169	Ü 009A 154	Ø 009B 155	£ 009C 156 1/4 00AC 172	Ø 009D 157 i 00AD 173	Pts 009E 158 « 00AE 174	f 009F 159
Hex Dec Char Hex Dec Char	É 0090 144 á 00A0 160	0091 145 Í 00A1 161	#E 0092 146 Ó 00A2 162	ô 0093 147 ú 00A3 163	Ö 0094 148 Ñ 00A4 164	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166	0097 151 0 00A7 167	ÿ 0098 152 ¿ 00A8 168 ¬	Ö 0099 153 r 00A9 169	Ü 009A 154 ¬ 00AA 170	Ø 009B 155 ½ 00AB 171	£ 009C 156 1/4 00AC 172 1	Ø 009D 157 i 00AD 173	Pts 009E 158 « 00AE 174	<i>f</i> 009F 159
Hex Dec Char Hex Dec Char Hex	É 0090 144 á 00A0 160 00B0	0091 145 Í 00A1 161	#E 0092 146	ô 0093 147 ú 00A3 163 00B3	Ö 0094 148 Ñ 00A4 164 - 00B4	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166 - 00B6	0097 151 0 00A7 167 1 00B7	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8	Ö 0099 153 C 00A9 169 00B9	Ü 009A 154 ¬ 00AA 170 00BA	Ø 009B 155	£ 009C 156 1/4 00AC 172	009D 157 i 00AD 173 JJ 00BD	Pts 009E 158 « 00AE 174 J 00BE	009F 159 x 00AF 175 7 00BF
Hex Dec Char Hex Dec Char Hex Dec	É 0090 144 á 00A0 160 00B0 176	0091 145 Í 00A1 161 	#E 0092 146 Ó 00A2 162	ô 0093 147 ú 00A3 163	Ö 0094 148 Ñ 00A4 164	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166 	0097 151 0 00A7 167 Tl 00B7 183	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184	Ö 0099 153 F 00A9 169 1 00B9 185	009A 154 7 00AA 170 8 00BA 186	Ø 009B 155 ½ 00AB 171	£ 009C 156 1/4 00AC 172	Ø 009D 157 i 00AD 173 J 00BD 189	Pts 009E 158 « 00AE 174 J 00BE 190	009F 159 x 00AF 175 7 00BF 191
Hex Dec Char Hex Dec Char Hex Char Char	É 0090 144 á 00A0 160 00B0 176 L	0091 145 Í 00A1 161 	0092 146 6 000A2 162 00B2 178	0093 147 Ú 00A3 163 00B3 179	Ö 0094 148 Ñ 00A4 164 ☐ 00B4 180	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166 - 00B6 182 =	0097 151 000A7 167 T 00B7 183	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184 L	Ö 0099 153	009A 154 7 00AA 170 = 00BA 186 <u>JL</u>	Ø 009B 155 ½ 00AB 171 ¬ 00BB 187 ¬ □	£ 009C 156 1/4 00AC 172 J 00BC 188	Ø 009D 157 i 00AD 173 J 00BD 189 =	Pts 009E 158 ≪ 00AE 174 J 00BE 190 ↓ □	f 009F 159 x 00AF 175 ¬ 00BF 191 ⊥
Hex Dec Char Hex Dec Char Hex Dec Char Hex	É 0090 144 á 00A0 160 00B0 176 L 00C0	0091 145 í 00A1 161 	0092 146 ó 00042 162 00082 178 T 00002	ô 0093 147 ú 00A3 163 ↓ 00B3 179 ↓ 00C3	Ö 0094 148 Ñ 00A4 164 - 00B4 180 - 00C4	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166 	0097 151 00047 167 167 183 	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184 L 00C8	0099 153 r 00A9 169 169 185	009A 154 00AA 170 00BA 186 JL 00CA	Ø 009B 155 ½ 00AB 171 ¬ 00BB 187 ¬ ¬ ¬ ¬ 00CB	£ 009C 156 1/4 00AC 172 □ 00BC 188 □ 00CC	Ø 009D 157 i 00AD 173 J 00BD 189 = 00CD	Pts 009E 158 ≪ 00AE 174 J 00BE 190 J □ 00CE	009F 159 159 00AF 175 ¬ 00BF 191 ⊥ 00CF
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec	É 0090 144 á 00A0 160 00B0 176 L 00C0 192	0091 145 í 00A1 161 	0092 146 6 000A2 162 00B2 178	ô 0093 147 ú 00A3 163 ↓ 00B3 179 ↓ 00C3 195	Ö 0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166 - 00B6 182 =	0097 151 000A7 167 Tl 00B7 183 H- 00C7 199	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184 L 00C8 200	0099 153 F 00A9 169 185 F 00C9 201	009A 154 7 00AA 170 = 00BA 186 <u>JL</u>	Ø 009B 155 ½ 00AB 171 ¬ 00BB 187 ¬ □	£ 009C 156 1/4 00AC 172 J 00BC 188	Ø 009D 157 i 00AD 173 J 00BD 189 = 00CD 205	Pts 009E 158 ≪ 00AE 174 J 00BE 190 ↓ □	009F 159 159 00AF 175 7 00BF 191 ⊥ 00CF 207
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Char Hex Dec Char	© 0090 144	0091 145 i 00A1 161	Æ 0092 146 ó 00A2 162 ■ 00B2 178 T 00C2 194	ô 0093 147 ú 00A3 163 ↓ 00B3 179 ↓ 00C3 195 L	Ö 0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 L	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166 -∥ 00B6 182 -⊨ 00C6 198	0097 151 000A7 167 167 183 1-00C7 199	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184 L L 00C8 200 ‡	© 0099 153 F 00A9 169 185 F 00C9 201 J	Ü 009A 154 ¬ 00AA 170 ■ 00BA 186 ΔL 00CA 202 Γ	Ø 009B 155	£ 009C 156 1/4 00AC 172 □ 00BC 188 □ □ 00CC 204	Ø 009D 157 i 00AD 173 J 00BD 189 = 00CD 205	Pts 009E 158 « 00AE 174	# 009F 159 # 00AF 175 7 00BF 191 ± 00CF 207
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec	© 0090 144	0091 145 i 00A1 161 00B1 1777 L 00C1 193 T 00D1	Æ 0092 146 ố 00A2 162 178 T 00C2 194 T 00D2	ô 0093 147 Ú 00A3 163 ↓ 00B3 179 ↓ 00C3 195 L 00D3	Ö 0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 L 00D4	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166 182 = 00C6 198	0097 151 00047 167 7 00B7 183 1 00C7 199	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184 L 00C8 200 + 00D8	© 0099 153 F 00A9 169 185 F 00C9 201 J 00D9	009A 154 00AA 170 186 1L 00CA 202	Ø 009B 155	£ 009C 156 1/4 00AC 172 □ 00BC 188 □ 00CC 204 □ 00DC	Ø 009D 157 i 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD	Pts 009E 158 « 00AE 174 □ 00BE 190 □ 1,	009F 159 00AF 175 00BF 191
Hex Dec Char Hex Dec	60090 144 600A0 160 00B0 176 L 00C0 192 IL 00D0 208	0091 145 i 00A1 161 00B1 177 L 00C1 193 ¬ 00D1 209	#E 0092 146	ô 0093 147 ú 00A3 163 ↓ 00B3 179 ↓ 00C3 195 L	Ö 0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 L 00D4 212	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166 - 00B6 182 - - 00C6 198 - - 00D6 214	0097 151 00047 167 167 183 ☐ 0007 199 ☐ 0007 215	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184 L 00C8 200 + 00D8 216	© 0099 153 F 00A9 169 185 F 00C9 201 J 00D9 217	009A 154 00AA 170 00BA 186 1L 00CA 202	Ø 009B 155 ½ 00AB 171 ¬ 00BB 187 ¬ □ 00CB 203 ■ 00DB 219	£ 009C 156 1/4 00AC 172 □ 00BC 188 □ 00CC 204 □ 00DC 220	Ø 009D 157 i 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD 221	Pts 009E 158 00AE 174 00BE 190 ↓ ↓ 00CE 206 00DE 222	# 009F 159 # 00AF 175
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec	60090 144 á 00A0 160 00B0 176 L 00C0 192 IL 00D0 208 α	0091 145 Í 00A1 161 	#E 0092 146	ô 0093 147 ú 00A3 163	Ö 0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 - 00D4 212 ∑	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166 166 182 ⊨ 00C6 198 □	0097 151 00047 167 7 00B7 183 1 199 1 00C7 199 7 215	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184 L L 00C8 200 + 00D8 216 Φ	© 0099 153 F 00049 169 185 F 00059 201 J 00059 217 G	009A 154 00AA 170 00BA 186 1L 00CA 202 Γ 00DA 218 Ω	Ø 009B 155 ½ 00AB 171 ¬ 00BB 187 ¬ ¬ ¬ ¬ ¬ ¬ ¬ 00CB 203	£ 009C 156 1/4 00AC 172 □ 00BC 188 □ 00CC 204 □ 00DC 220 ∞	Ø 009D 157 i 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD 221 Ф	Pts 009E 158 « 00AE 174 J 00BE 190 JL 00CE 206 ■ 00DE 222 €	009F 159 00AF 175 00BF 191 — 00CF 207 — 00DF 223 ∩
Hex Dec Char Hex Hex	6 0090 144 á 00A0 160 00B0 176 L 00C0 192 IL 00D0 208 α	0091 145 i 00A1 161 00B1 177 1 00C1 193 7 00D1 209 ß 00E1	## 0092 146 ó 000A2 162 ## 00B2 178 T 00C2 194 T 00D2 210 Γ 00E2	 ô 0093 147 ú 00A3 163 ⊢ 00B3 179 ⊢ 00C3 195 Ⅱ 00D3 211 π 00E3 	Ö 0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 - 00D4 212 ∑ 00E4	 Ò 0095 149 Ñ 00A5 165 = 00B5 181 + 00C5 197 F 00D5 213 O 00E5 	0096 150 a 00A6 166 166 182 ⊨ 00C6 198 □ 00D6 214 µ 00E6	0097 151 000A7 167 167 183	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184 L 00C8 200 + 00D8 216 Φ 00E8	© 0099 153 F 00A9 169 00B9 185	Ü 009A 154 ¬ 00AA 170 ■ 00BA 186 ■ 00CA 202 Γ 00DA 218 Ω 00EA	Ø 009B 155 ½ 00AB 171 ¬ 00BB 187 ¬ ¬ 00CB 203 ■ 00DB 219 δ 00EB	£ 009C 156 1/4 00AC 172 □ 00BC 188 □ 00CC 204 □ 00DC 220 ∞ 00EC	Ø 009D 157 i 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD 221 Ф 00ED	Pts 009E 158 « 00AE 174 □ 00BE 190 □ 00CE 206 □ 00DE 222 € 00EE	009F 159 00AF 175 00BF 191
Hex Dec Char Char Hex Dec Char	60090 144 á 00A0 160 00B0 176 L 00C0 192 IL 00D0 208 α	0091 145 Í 00A1 161 	## 0092 146 6 00A2 162 ## 00B2 178 T 00C2 194 T 00D2 210 F 00E2 226	ô 0093 147 ú 00A3 163	Ö 0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 - 00D4 212 ∑	Ò 0095 149 Ñ 00A5 165	0096 150 a 00A6 166 166 182 ⊨ 00C6 198 □	0097 151 00047 167 7 00B7 183 1 199 1 00C7 199 7 215	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184 L 00C8 200 + 00D8 216 Ф 00E8 232	© 0099 153 F 00049 169 185 F 00059 201 J 00059 217 G	009A 154 00AA 170 00BA 186 1L 00CA 202 Γ 00DA 218 Ω	Ø 009B 155 ½ 00AB 171 ¬ 00BB 187 ¬ □ 00CB 203 ■ 00DB 219 δ 00EB 235	£ 009C 156 1/4 00AC 172 □ 00BC 188 □ 00CC 204 □ 00DC 220 ∞	Ø 009D 157 i 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD 221 Ф 00ED 237	Pts 009E 158 « 00AE 174 J 00BE 190 JL 00CE 206 ■ 00DE 222 €	009F 159 00AF 175 00BF 191 — 00CF 207 — 00DF 223 ∩
Hex Dec Char Hex Hex	6 0090 144 á 00A0 160 00B0 176 L 00C0 192 IL 00D0 208 α	0091 145 i 00A1 161 00B1 177 1 00C1 193 7 00D1 209 ß 00E1	## 0092 146 ó 000A2 162 ## 00B2 178 T 00C2 194 T 00D2 210 Γ 00E2	 ô 0093 147 ú 00A3 163 ⊢ 00B3 179 ⊢ 00C3 195 Ⅱ 00D3 211 π 00E3 	Ö 0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 - 00D4 212 ∑ 00E4	 Ò 0095 149 Ñ 00A5 165 = 00B5 181 + 00C5 197 F 00D5 213 O 00E5 	0096 150 a 00A6 166 166 182 ⊨ 00C6 198 □ 00D6 214 µ 00E6	0097 151 000A7 167 167 183	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184 L 00C8 200 + 00D8 216 Φ 00E8	© 0099 153 F 00A9 169 00B9 185	Ü 009A 154 ¬ 00AA 170 ■ 00BA 186 ■ 00CA 202 Γ 00DA 218 Ω 00EA	Ø 009B 155 ½ 00AB 171 ¬ 00BB 187 ¬ ¬ 00CB 203 ■ 00DB 219 δ 00EB	£ 009C 156 1/4 00AC 172 □ 00BC 188 □ 00CC 204 □ 00DC 220 ∞ 00EC	Ø 009D 157 i 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD 221 Ф 00ED	Pts 009E 158 « 00AE 174 □ 00BE 190 □ 00CE 206 □ 00DE 222 € 00EE	009F 159 00AF 175 00BF 191
Hex Dec Char Hex Dec	60090 144 600A0 160 00B0 176 L 00C0 192 IL 00D0 208 α 00E0 224	0091 145 i 00A1 161 00B1 177 1 00C1 193 7 00D1 209 ß 00E1 225	## 0092 146 6 00A2 162 ## 00B2 178 T 00C2 194 T 00D2 210 F 00E2 226	ô 0093 147 ú 00A3 163	Ö 0094 148 Ñ 00A4 164 - 00B4 180 - 00C4 196 - 00D4 212 ∑ 00E4	 Ò 0095 149 Ñ 00A5 165 = 00B5 181 + 00C5 197 F 00D5 213 O 00E5 	© 0096 150 a 00A6 166 182	ù 0097 151 0 00A7 167 ∏ 00B7 183 ☐ 00C7 199 ☐ 00D7 215 T 00E7 231	ÿ 0098 152 ¿ 00A8 168 ¬ 00B8 184 L 00C8 200 + 00D8 216 Ф 00E8 232	© 0099 153 F 00A9 169 00B9 185	Ü 009A 154 ¬ 00AA 170 ■ 00BA 186 ■ 00CA 202 Γ 00DA 218 Ω 00EA	Ø 009B 155 ½ 00AB 171 ¬ 00BB 187 ¬ □ 00CB 203 ■ 00DB 219 δ 00EB 235	£ 009C 156 1/4 00AC 172 □ 00BC 188 □ 00CC 204 □ 00DC 220 ∞ 00EC 236	Ø 009D 157 i 00AD 173 J 00BD 189 = 00CD 205 ■ 00DD 221 Ф 00ED 237	Pts 009E 158 « 00AE 174 J 00BE 190 JL 1F 00CE 206 ■ 00DE 222 € 00EE 238	# 009F 159 00AF 175 00BF 191 □ 00CF 207 □ 00DF 223 ∩ 00EF 239



PC858 CODE TABLE (Euro symbol)

															i	
Char	SP	!	"	#	\$	%	&	•	()	*	+	,	-		/
Hex	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	002A	002B	002C	002D	002E	002F
Dec	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Char	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
Hex	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	003A	003B	003C	003D	003E	003F
Dec	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Char	@	Α	В	С	D	E	F	G	Н	1	J	K	L	M	N	0
Hex	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	004A	004B	004C	004D	004E	004F
Dec	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
Char	Р	Q	R	S	Т	U	V	W	X	Υ	Z	[١]	^	_
Hex	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	005A	005B	005C	005D	005E	005F
Dec	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
Char	`	а	b	С	d	е	f	g	h	i	j	k	ı	m	n	0
Hex	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	006A	006B	006C	006D	006E	006F
Dec	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
Char	р	q	r	s	t	u	v	w	х	у	z	{		}	~	Δ
Hex	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	007A	007B	007C	007D	007E	007F
Dec	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
Char	Ç	ü	é	â	ä	à	å	ç	ê	ë	è	ï	î	ì	Ä	Å
Hex	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	008A	008B	008C	008D	008E	008F
Dec	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
	,															
Char	É	æ	Æ	ô	Ö	Ò	û	ù	ÿ	Ö	Ü	Ø	£	Ø	×	f
Char Hex	0090	æ 0091	Æ 0092	ô 0093	Ö 0094	Ò 0095	û 0096	ù 0097	ÿ 0098	Ö 0099	U 009A	Ø 009B	£ 009C	Ø 009D	× 009E	f 009F
						0095 149			_		-					
Hex	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	009A	009B	009C	009D	009E	009F
Hex Dec	0090 144	0091 145	0092 146	0093 147	0094 148	0095 149	0096 150	0097 151	0098 152	0099 153	009A 154	009B 155	009C 156	009D 157	009E 158	009F 159
Hex Dec Char	0090 144 á 00A0 160	0091 145 Í 00A1 161	0092 146 Ó 00A2 162	0093 147 Ú	0094 148 ñ	0095 149 Ñ	0096 150 a	0097 151 o	0098 152 ¿	0099 153 ® 00A9 169	009A 154	009B 155 1/2	009C 156 1/4 00AC 172	009D 157	009E 158 «	009F 159 »
Hex Dec Char Hex	0090 144 á 00A0	0091 145 Í 00A1	0092 146 Ó 00A2	0093 147 Ú 00A3	0094 148 ñ 00A4	0095 149 Ñ 00A5	0096 150 a 00A6	0097 151 o 00A7	0098 152 ¿ 00A8	0099 153 ® 00A9	009A 154 ¬ 00AA	009B 155 1/2 00AB	009C 156 1/4 00AC	009D 157 i 00AD	009E 158 « 00AE	009F 159 » 00AF
Hex Dec Char Hex Dec	0090 144 á 00A0 160	0091 145 Í 00A1 161	0092 146 Ó 00A2 162	0093 147 Ú 00A3	0094 148 ñ 00A4 164	0095 149 Ñ 00A5 165	0096 150 a 00A6 166	0097 151 o 00A7 167	0098 152 ¿ 00A8 168	0099 153 ® 00A9 169	009A 154 ¬ 00AA 170	009B 155 1/2 00AB 171	009C 156 1/4 00AC 172	009D 157 i 00AD 173	009E 158 « 00AE 174	009F 159 » 00AF 175
Hex Dec Char Hex Dec Char	0090 144 á 00A0 160	0091 145 Í 00A1 161 	0092 146 Ó 00A2 162	0093 147 Ú 00A3 163	0094 148 ñ 00A4 164	0095 149 Ñ 00A5 165 Á	0096 150 a 00A6 166 Å	0097 151 0 00A7 167 À 00B7 183	0098 152 2 00A8 168 © 00B8 184	0099 153 ® 00A9 169	009A 154 7 00AA 170 	009B 155 ½ 00AB 171	009C 156 1/4 00AC 172	009D 157 i 00AD 173	009E 158 « 00AE 174 ¥ 00BE 190	009F 159 » 00AF 175
Hex Dec Char Hex Dec Char Hex	0090 144 á 00A0 160	0091 145 Í 00A1 161	0092 146 Ó 00A2 162 (2) 00B2 178	0093 147 Ú 00A3 163 00B3	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 Á 00B5	0096 150 a 00A6 166 Â 00B6	0097 151 0 00A7 167 À 00B7	0098 152 ¿ 00A8 168 © 00B8	0099 153 ® 00A9 169 	009A 154 ¬ 00AA 170 00BA	009B 155 1/2 00AB 171 ¬ 00BB 187	009C 156 1/4 00AC 172 1 00BC	009D 157 i 00AD 173 ¢ 00BD	009E 158 « 00AE 174 ¥ 00BE 190	009F 159 >> 00AF 175 7 00BF
Hex Dec Char Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176	0091 145 Í 00A1 161 	0092 146 Ó 00A2 162	0093 147 Ú 00A3 163 00B3	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 Á 00B5 181	0096 150 a 00A6 166 Â 00B6 182	0097 151 0 00A7 167 À 00B7 183	0098 152 2 00A8 168 © 00B8 184	0099 153 ® 00A9 169 1 00B9	009A 154 7 00AA 170 	009B 155 ½ 00AB 171 1 00BB	009C 156 1/4 00AC 172 1 00BC 188	009D 157 i 00AD 173 ¢ 00BD 189	009E 158 « 00AE 174 ¥ 00BE	009F 159 » 00AF 175 ¬ 00BF 191
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176	0091 145 í 00A1 161 	0092 146 ó 00A2 162 00B2 178	0093 147 Ú 00A3 163 00B3 179 - 00C3 195	0094 148 ñ 00A4 164 - 00B4 180	0095 149 Ñ 00A5 165 Á 00B5 181	0096 150 a 00A6 166 Â 00B6 182	0097 151 0 00A7 167 À 00B7 183	0098 152 2 00A8 168 © 00B8 184	0099 153 ® 00A9 169 - 00B9 185	009A 154 ¬ 00AA 170 00BA 186	009B 155 1⁄2 00AB 171 1 00BB 187	009C 156 1/4 00AC 172 1 00BC 188	009D 157 i 00AD 173 ¢ 00BD 189	009E 158 « 00AE 174 ¥ 00BE 190	009F 159 » 00AF 175 ¬ 00BF 191
Hex Dec Char Hex Dec Char Hex Dec Char Hex Hex	0090 144 á 00A0 160 00B0 176 L	0091 145 Í 00A1 161 	0092 146 Ó 00A2 162 162 00B2 178	0093 147 Ú 00A3 163 00B3 179 - 00C3	0094 148 n 00A4 164 	0095 149 Ñ 00A5 165 Á 00B5 181 + 00C5	0096 150 a 00A6 166 Â 00B6 182 ã	0097 151 0 00A7 167 À 00B7 183 Ã	0098 152 2 00A8 168 © 00B8 184 L 00C8	0099 153 ® 00A9 169 	009A 154 ¬ 00AA 170 00BA 186 <u>JL</u>	009B 155 1/2 00AB 171 1 00BB 187 1 00CB	009C 156 1/4 00AC 172 1 00BC 188	009D 157 i 00AD 173 ¢ 00BD 189 = 00CD	009E 158 « 00AE 174 ¥ 00BE 190 ↓ 00CE	009F 159 » 00AF 175 ¬ 00BF 191 ¤
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192	0091 145 f 00A1 161 \$\frac{1}{2}\$\$00B1 177 \$\preceded{\precess}\$\$00C1 193	0092 146 Ó 00A2 162 (a) 00B2 178 (b) 00C2 194	0093 147 Ú 00A3 163 00B3 179 - 00C3 195	0094 148 n 00A4 164 	0095 149 Ñ 00A5 165 Á 00B5 181 + 00C5 197	0096 150 a 00A6 166 Â 00B6 182 ã 00C6 198	0097 151 0 00A7 167 Å 00B7 183 Ã 00C7 199	0098 152 2 00A8 168 © 00B8 184 L 00C8 200	0099 153 ® 00A9 169 	009A 154 ¬ 00AA 170 — 00BA 186 — <u>IL</u> 00CA 202	009B 155 1/2 00AB 171 1 00BB 187 1 00CB	009C 156 1/4 00AC 172 1 00BC 188	009D 157 i 00AD 173 ¢ 00BD 189 = 00CD 205	009E 158 « 00AE 174 ¥ 00BE 190 ↓ 00CE 206	009F 159 » 00AF 175 ¬ 00BF 191 ¤ 00CF 207
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Char Hex Dec Char	0090 144 á 00A0 160 00B0 176 L 00C0 192	0091 145 i 00A1 161 00B1 177 L 00C1 193	0092 146 Ó 00A2 162 00B2 178 T 00C2 194	0093 147 Ú 00A3 163 00B3 179 - 00C3 195 Ë	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 Á 00B5 181 + 00C5 197	0096 150 a 00A6 166 Â 00B6 182 ã 00C6 198	0097 151 0 00A7 167 À 00B7 183 Ã 00C7 199	0098 152 2 00A8 168 © 00B8 184 L 00C8 200	0099 153 ® 00A9 169 	009A 154 ¬ 00AA 170 — 00BA 186 — <u>IL</u> 00CA 202	009B 155 1/2 00AB 171 1 00BB 187 1F 00CB 203	009C 156 1/4 00AC 172 1 00BC 188 1 00CC 204	009D 157 i 00AD 173 ¢ 00BD 189 = 00CD 205	009E 158 « 00AE 174 ¥ 00BE 190 ↓ 00CE 206	009F 159 >> 00AF 175 ¬ 00BF 191 xx 00CF 207
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Hex Dec Char	0090 144 á 00A0 160 00B0 176 L 00C0 192 ð	0091 145 i 00A1 161 00B1 177 L 00C1 193 D 00D1	0092 146 ó 00A2 162 00B2 178 T 00C2 194 Ê 00D2	0093 147 ú 00A3 163 00B3 179 00C3 195 E 00D3	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 Á 00B5 181 + 00C5 197 € 00D5	0096 150 a 00A6 166 Â 00B6 182 ã 00C6 198 Í	0097 151 0 00A7 167 À 00B7 183 Ã 00C7 199 Î	0098 152 2 00A8 168 © 00B8 184 L 00C8 200 i 00D8	0099 153 ® 00A9 169	009A 154	009B 155 1/2 00AB 171 1 00BB 187 1F 00CB 203	009C 156 1/4 00AC 172 13 00BC 188 16 00CC 204	009D 157 i 00AD 173 ¢ 00BD 189 = 00CD 205 i 00DD	009E 158 « 00AE 174 ¥ 00BE 190 ↓ 00CE 206 Ò 00DE	009F 159 >> 00AF 175 7 00BF 191 xx 00CF 207
Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192 ð 00D0 208	0091 145 i 00A1 161 00B1 177 L 00C1 193 D 00D1 209	0092 146 ó 00A2 162 00B2 178 T 00C2 194 Ê 00D2 210	0093 147 Ú 00A3 163 179 	0094 148 ñ 00A4 164 	0095 149 Ñ 00A5 165 Á 00B5 181 + 00C5 197 € 00D5 213	0096 150 a 00A6 166 Â 00B6 182 ã 00C6 198 Í 00D6 214	0097 151 0 00A7 167 Å 00B7 183 Ã 00C7 199 Î 00D7 215	0098 152 2 00A8 168 © 00B8 184 L 00C8 200 i 00D8 216	0099 153 ® 00A9 169 185 F 00C9 201 J 00D9 217	009A 154 ¬ 00AA 170 — 00BA 186 — L 00CA 202 — 00DA 218	009B 155 1/2 00AB 171 1 00BB 187 1 1 00CB 203 00DB 219	009C 156 1/4 00AC 172 1 00BC 188 1 00CC 204	009D 157 i 00AD 173 ¢ 00BD 189 = 00CD 205 i 00DD 221	009E 158 « 00AE 174 ¥ 00BE 190 ↓ 00CE 206 ↓ 00DE 222	009F 159 >> 00AF 175 100BF 191 x 00CF 207 00DF 223
Hex Dec Char Char Hex Dec Char Char	0090 144 á 00A0 160 00B0 176 L 00C0 192 ð 00D0 208 Ó	0091 145 i 00A1 161 00B1 177 L 00C1 193 D 00D1 209 ß	0092 146 ó 00A2 162 00B2 178 T 00C2 194 Ê 00D2 210	0093 147 ú 00A3 163 00B3 179 00C3 195 00D3 211 Ò	0094 148	0095 149 Ñ 00A5 165 Á 00B5 181 + 00C5 197 € 00D5 213 Õ	0096 150 a 00A6 166 Â 00B6 182 ã 00C6 198 Í 00D6 214	0097 151 0 00A7 167 À 00B7 183 Ã 00C7 199 Î 00D7 215 þ	0098 152 00A8 168 © 00B8 184 L 00C8 200 i 00D8 216	0099 153 ® 00A9 169	009A 154 00AA 170 00BA 186 L 00CA 202 C 00DA 218 Û	009B 155 1/2 00AB 171 1 00BB 187 1F 00CB 203 00DB 219 Ù	009C 156 1/4 00AC 172 1/3 00BC 188 1/4 00CC 204 00CC 204	009D 157 i 00AD 173 ¢ 00BD 189 = 00CD 205 i 00DD 221 Ý	009E 158 « 00AE 174 ¥ 00BE 190 ↓ 00CE 206 00DE 222	009F 159 >> 00AF 175 ¬ 00BF 191
Hex Dec Char Hex Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192 ð 00D0 208 Ó 00E0	0091 145 i 00A1 161 00B1 177 L 00C1 193 D 00D1 209 ß 00E1	0092 146 ó 00A2 162 162 178 T 00C2 194 Ê 00D2 210 Ô 00E2 226	0093 147 ú 00A3 163 00B3 179 00C3 195 00D3 211 Ò 00E3	0094 148	0095 149 Ñ 00A5 165 Á 00B5 181 + 00C5 197 € 00D5 213 Õ 00E5	0096 150 a 00A6 166 Â 00B6 182 ã 00C6 198 Í 00D6 214 µ	0097 151 0 00A7 167 À 00B7 183 Ã 00C7 199 Î 00D7 215 þ 00E7 231	0098 152 2 00A8 168 © 00B8 184 L 00C8 200 i 00D8 216 p 00E8	0099 153 ® 00A9 169	009A 154 7 00AA 170 ——————————————————————————————————	009B 155 1/2 00AB 171 1 00BB 187 1 00CB 203 00DB 219 00EB	009C 156 1/4 00AC 172 J 00BC 188 	009D 157 i 00AD 173 ¢ 00BD 189 = 00CD 205 i 00DD 221 Ý 00ED	009E 158 « 00AE 174 ¥ 00BE 190 IF 00CE 206 OODE 222 00EE	009F 159 >> 00AF 175 175 00BF 191 x 00CF 207 00DF 223 00EF
Hex Dec Char Hex Dec	0090 144 á 00A0 160 00B0 176 L 00C0 192 ð 00D0 208 Ó 00E0 224	0091 145 i 00A1 161 00B1 177 L 00C1 193 D 00D1 209 ß 00E1 225	0092 146 ó 00A2 162 00B2 178 T 00C2 194 Ê 00D2 210 Ô	0093 147 ú 00A3 163 00B3 179 00C3 195 E 00D3 211 Ò 00E3 227	0094 148	0095 149 Ñ 00A5 165 Á 00B5 181 + 00C5 197 € 00D5 213 Õ 00E5 229	0096 150 a 00A6 166 Â 00B6 182 ã 00C6 198 Í 00D6 214 µ 00E6 230	0097 151 0 00A7 167 À 00B7 183 Ã 00C7 199 Î 00D7 215 þ	0098 152 2 00A8 168 © 00B8 184 L 00C8 200 i 00D8 216 b 00E8 232	0099 153 ® 00A9 169 1 00B9 185 F 00C9 201 00D9 217 00E9 233	009A 154	009B 155 1/2 00AB 171 1 00BB 187 1/7 00CB 203 00DB 219 Û 00EB 235	009C 156 1/4 00AC 172 J 00BC 188 F 00CC 204 00DC 220 ý 00EC 236	009D 157 i 00AD 173 ¢ 00BD 189 = 00CD 205 i 00DD 221 Ý 00ED 237	009E 158 « 00AE 174 ¥ 00BE 190 ↓ 00CE 206 00DE 222 00EE 238	009F 159 300AF 175 700BF 191 191 191 191 191 191 207 191 207 191 207 207 223 700EF 223 700EF 239
Hex Dec Char Char Hex Dec Char	0090 144 á 00A0 160 00B0 176 L 00C0 192 ð 00D0 208 Ó 00E0 224 SHY	0091 145 i 00A1 161 00B1 177 L 00C1 193 D 00D1 209 ß 00E1 225 ±	0092 146 ó 00A2 162 00B2 178 T 00C2 194 Ê 00D2 210 Ô 00E2 226	0093 147 ú 00A3 163 00B3 179 00C3 195 00D3 211 00E3 227 3/4	0094 148	0095 149 Ñ 00A5 165 Á 00B5 181 + 00C5 197 € 00D5 213 Õ 00E5 229 §	0096 150 a 00A6 166 Â 00B6 182 ã 00C6 198 Í 00D6 214 µ 00E6 230	0097 151 0 00A7 167 À 00B7 183 Ã 00C7 199 Î 00D7 215 þ 00E7 231	0098 152 00A8 168 © 00B8 184 L 00C8 200 i 00D8 216 b 00E8 232 •	0099 153 ® 00A9 169	009A 154 7 00AA 170 00BA 186 00CA 202 00DA 218 Û 00EA 234	009B 155 1/2 00AB 171 100BB 187 1F 00CB 203 00DB 219 Ù 00EB 235 1	009C 156 1/4 00AC 172 13 00BC 188 14 00CC 204 5 00DC 220 7 00EC 236 3	009D 157 i 00AD 173 ¢ 00BD 189 = 00CD 205 i 00DD 221 Ý 00ED 237 2	009E 158 « 00AE 174 ¥ 00BE 190	009F 159 >> 00AF 175

NOTA:

To print the Euro (€) symbol, the command sequence is: 0x1B 0x74 0x13 0xD5 (see Commands Manual).

PC866 CODE TABLE (Cyrillic)

Char	SP	!	"	#	\$	%	&	-	()	*	+	,	_		/
Hex	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	002A	002B	002C	002D	002E	002F
Dec	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Char	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
Hex	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	003A	003B	003C	003D	003E	003F
Dec	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Char	@	Α	В	С	D	Е	F	G	Н	Τ	J	K	L	M	N	0
Hex	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	004A	004B	004C	004D	004E	004F
Dec	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
Char	Р	Q	R	S	Т	U	V	W	Х	Υ	Z	[١]	٨	
Hex	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	005A	005B	005C	005D	005E	005F
Dec	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
Char	`	а	b	С	d	е	f	g	h	i	j	k	ı	m	n	0
Hex	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	006A	006B	006C	006D	006E	006F
Dec	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
Char	р	q	r	s	t	u	v	w	Х	у	Z	{		}	~	
Hex	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	007A	007B	007C	007D	007E	007F
Dec	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
Char	Α	Б	В	Г	Д	Е	Ж	3	И	Й	К	Л	M	Н	0	п
Hex	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	008A	008B	008C	008D	008E	008F
Dec	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
				<u> </u>			<u> </u>									
Char	Р	С	Т	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы	Ь	Э	Ю	Я
Char Hex	P 0090	C	T 0092	y 0093	<u> </u>	X 0095	Ц 0096					Ы 009В	b		Ю 009Е	Я 009F
	-		-		Ф			Ч	Ш	Щ	Ъ		-	Э		
Hex	0090	0091	0092	0093	Ф 0094	0095	0096	Ч	Ш 0098	Щ 0099	Ъ 009А	009B	009C	Э	009E	009F
Hex Dec	0090 144	0091 145	0092 146	0093 147	Ф 0094 148	0095 149	0096 150	Ч 0097 151	0098 152	Щ 0099 153	Ъ 009A 154	009B 155	009C 156	9 009D 157	009E 158	009F 159
Hex Dec Char	0090 144 a 00A0 160	0091 145 б 00A1 161	0092 146 B 00A2 162	0093 147 Г	Ф 0094 148 Д 00A4 164	0095 149 e 00A5 165	0096 150 Ж 00A6 166	4 0097 151 3	Ш 0098 152 И	Щ 0099 153 Й 00A9 169	b 009A 154 K 00AA 170	009B 155 Л	009C 156 M 00AC 172	9 009D 157 H 00AD 173	009E 158 O 00AE 174	009F 159
Hex Dec Char Hex	0090 144 a 00A0	0091 145 б 00A1	0092 146 B 00A2	0093 147 Г 00A3	Ф 0094 148 Д 00A4	0095 149 e 00A5	0096 150 Ж 00A6	4 0097 151 3 00A7	Ш 0098 152 И 00A8	Щ 0099 153 Й 00A9	Ъ 009A 154 K 00AA	009B 155 Л 00AB	009C 156 M 00AC	9 009D 157 H 00AD	009E 158 O 00AE	009F 159 П 00AF
Hex Dec Char Hex Dec	0090 144 a 00A0 160	0091 145 б 00A1 161	0092 146 B 00A2 162	0093 147 F 00A3 163 00B3	Ф 0094 148 Д 00A4 164	0095 149 e 00A5 165 = 00B5	0096 150 Ж 00A6 166 - 00B6	9097 151 300A7 167 1 00B7	Ш 0098 152 И 00A8 168	Щ 0099 153 й 00А9 169 Ч	b 009A 154 K 00AA 170	009B 155 Л 00AB 171	009C 156 M 00AC 172	9 009D 157 H 00AD 173 JJ 00BD	009E 158 O 00AE 174	009F 159 n 00AF 175
Hex Dec Char Hex Dec Char	0090 144 a 00A0 160 00B0 176	0091 145 6 00A1 161 	0092 146 B 00A2 162	0093 147 F 00A3 163 00B3 179	Ф 0094 148 Д 00A4 164	0095 149 e 00A5 165	0096 150 Ж 00A6 166 - 00B6 182	9097 151 300A7 167 1 100B7 183	₩0098152M00A8168¬00B8184	Щ 0099 153 й 00A9 169	009A 154 K 00AA 170 	009B 155 Л 00AB 171	009C 156 M 00AC 172 <u>J</u> 00BC 188	9 009D 157 H 00AD 173	009E 158 0 00AE 174 J 00BE 190	009F 159 n 00AF 175 n 00BF 191
Hex Dec Char Hex Dec Char	0090 144 a 00A0 160	0091 145 6 00A1 161	0092 146 B 00A2 162	0093 147 F 00A3 163 00B3	Ф 0094 148 Д 00A4 164 - 00B4	0095 149 e 00A5 165 = 00B5	0096 150 Ж 00A6 166 - 00B6	9097 151 300A7 167 1 00B7	Ш 0098 152 И 00A8 168 ¬ 00B8	Щ 0099 153 й 00А9 169 Ч	009A 154 K 00AA 170 00BA	009B 155 Л 00AB 171 ヿ 00BB	009C 156 M 00AC 172 J 00BC	9 009D 157 H 00AD 173 J 00BD	009E 158 O 00AE 174 J 00BE	009F 159 n 00AF 175 n 00BF
Hex Dec Char Hex Dec Char Hex Hex Dec	0090 144 a 00A0 160 00B0 176 L	0091 145 6 00A1 161 	0092 146 B 00A2 162 00B2 178 T 00C2	0093 147 F 00A3 163 00B3 179 - 00C3	Ф 0094 148 Д 00A4 164 - 00B4 180 - 00C4	0095 149 e 00A5 165 = 00B5 181 + 00C5	0096 150 Ж 00A6 166 - 00B6 182 -	Ч 0097 151 3 00A7 167 ■ 00B7 183 □ 00C7	 ₩ 0098 152 M 00A8 168 ¬ 00B8 184 ½ 00C8 	Щ 0099 153 й 00A9 169 4 00B9 185	009A 154 K 00AA 170 ———————————————————————————————————	009B 155 Л 00AB 171 ¬¬¬ 00BB 187 ¬¬¬¬ 00CB	009C 156 M 00AC 172 <u>J</u> 00BC 188	9 009D 157 H 00AD 173 JJ 00BD 189 =	009E 158 0 00AE 174 3 00BE 190 11 00CE	009F 159 n 00AF 175 1 00BF 191 <u>L</u> 00CF
Hex Dec Char Hex Dec Char Hex Char Char	0090 144 a 00A0 160 00B0 176 L 00C0 192	0091 145 6 00A1 161 	0092 146 B 00A2 162 00B2 178	0093 147 F 00A3 163 00B3 179 - 00C3 195	Ф 0094 148 Д 00A4 164 - 00B4 180 - 00C4 196	0095 149 e 00A5 165 = 00B5 181	0096 150 Ж 00A6 166 - 00B6 182	Ч 0097 151 3 00A7 167 ■ 00B7 183 □ 00C7 199	 ₩ 0098 152 M 00A8 168 ¬ 00B8 184 ½ 00C8 200 	 ₩ 0099 153 й 00A9 169 √ 00B9 185 F 00C9 201 	009A 154 K 00AA 170 	009B 155 Л 00AB 171 ¬¬ 00BB 187	009C 156 M 00AC 172 <u>J</u> 00BC 188	9 009D 157 H 00AD 173 J 00BD 189	009E 158 0 00AE 174 J 00BE 190	009F 159 n 00AF 175 7 00BF 191 <u>L</u> 00CF 207
Hex Dec Char Hex Dec Char Hex Hex Dec	0090 144 a 00A0 160 00B0 176 L	0091 145 6 00A1 161 00B1 177 L 00C1 193	0092 146 B 00A2 162 00B2 178 T 00C2	0093 147 F 00A3 163 00B3 179 - 00C3	Ф 0094 148 Д 00A4 164 - 00B4 180 - 00C4	0095 149 e 00A5 165 = 00B5 181 + 00C5	0096 150 Ж 00A6 166 - 00B6 182 - 00C6 198	Ч 0097 151 3 00A7 167	 ₩ 0098 152 M 00A8 168 ¬ 00B8 184 ½ 00C8 	Щ 0099 153 й 00A9 169 4 00B9 185	009A 154 K 00AA 170 ———————————————————————————————————	009B 155 Л 00AB 171 ¬¬¬ 00BB 187 ¬¬¬¬ 00CB	009C 156 M 00AC 172 <u>J</u> 00BC 188	9 009D 157 H 00AD 173 JJ 00BD 189 = 00CD 205	009E 158 0 00AE 174 3 00BE 190 1,00CE 206	009F 159
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Hex	0090 144 a 00A0 160 00B0 176 L 00C0 192 L	0091 145 6 00A1 161 00B1 177 L 00C1 193 ¬ 00D1	0092 146 B 00A2 162 00B2 178 T 00C2 194 T 00D2	0093 147	Ф 0094 148 Д 00A4 164 - 00B4 180 - 00C4 196 L 00D4	0095 149 e 00A5 165 00B5 181 00C5 197 F 00D5	0096 150 Ж 00A6 166 - 00B6 182 = 00C6 198	Ч 0097 151 3 00A7 167	 ₩ 0098 152 M 0008 168 ¬ 0008 184 ½ 0008 200 ‡ 0008 	0099 153	009A 154 K 00AA 170 00BA 186 JL 00CA 202	009B 155 J 00AB 171 00BB 187 T 00CB 203	009C 156 M 00AC 172 J 00BC 188 L 00CC 204	9 009D 157 H 00AD 173 JJ 00BD 189 = 00CD 205	009E 158 00AE 174 J 00BE 190 JL 00CE 206	009F 159 00AF 175 00BF 191 00CF 207 00DF
Hex Dec Char Dec	0090 144 a 00A0 160 00B0 176 L 00C0 192	0091 145 6 00A1 161 00B1 177 L 00C1 193	0092 146 B 00A2 162 00B2 178 T 00C2 194	0093 147 F 00A3 163 00B3 179 - 00C3 195 L 00D3 211	Ф 0094 148 Д 00A4 164 → 00B4 180 — 00C4 196 L 00D4 212	0095 149 e 00A5 165 00B5 181 00C5 197	0096 150 Ж 00A6 166 182 	Ч 0097 151 3 00A7 167 ¶ 00B7 183 ⊩ 00C7 199 ∏ 00D7 215	 ₩ 0098 152 M 00A8 168 ¬ 00B8 184 ½ 00C8 200 ‡ 	 ₩ 0099 153 й 00A9 169 185 F 00C9 201 J 00D9 217 	b 009A 154 K 00AA 170 □ 00BA 186 □ □ 00CA 202 Γ	009B 155 J 00AB 171 1 00BB 187 1F 00CB 203	009C 156 M 00AC 172 J 00BC 188 L 00CC 204	9 009D 157 H 00AD 173 JJ 00BD 189 = 00CD 205 I 00DD 221	009E 158 0 00AE 174 3 00BE 190 1,00CE 206	009F 159
Hex Dec Char Char Hex Dec Char	0090 144 a 00A0 160 00B0 176 L 00C0 192 IIL 00D0 208	0091 145 6 00A1 161 177 L 00C1 193 T 00D1 209 C	0092 146 B 00A2 162 00B2 178 T 00C2 194 T 00D2 210	0093 147 r 00A3 163 00B3 179 - 00C3 195 L 00D3 211 y	Ф 0094 148 A 00A4 164 164 180 − 00C4 196 L 00D4 212 ф	0095 149 e 00A5 165 00B5 181 00C5 197 00D5 213	0096 150 Ж 00A6 166 182 = 00C6 198 IT 00D6 214	Ч 0097 151 3 00A7 167	0098 152 N 00A8 168 00B8 184 L 00C8 200 00D8 216	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	009A 154 K 00AA 170 □ 00BA 186 □ 1L 00CA 202 Γ 00DA 218	009B 155 J 00AB 171 100BB 187 1F 00CB 203 00DB 219	009C 156 M 00AC 172 J 00BC 188 L 00CC 204 00DC 220	9 009D 157 H 00AD 173 JJ 00BD 189 = 00CD 205 I 00DD 221	009E 158 0 00AE 174 J 00BE 190 JL 00CE 206 00DE 222 HO	009F 159
Hex Dec Char Hex Hex	0090 144 a 00A0 160 00B0 176 L 00C0 192 IL 00D0 208 p 00E0	0091 145 6 00A1 161 00B1 177 L 00C1 193 ¬ 00D1 209 C 00E1	0092 146 B 00A2 162 00B2 178 T 00C2 194 T 00D2 210 T 00E2	0093 147 r 00A3 163 00B3 179 00C3 195 L 00D3 211 y 00E3	Ф 0094 148 A 00A4 164 - 00B4 180 - 00C4 196 L 00D4 212 ф 00E4	0095 149 e 00A5 165 d 00B5 181 + 00C5 197 F 00D5 213 x 00E5	0096 150 Ж 00A6 166 - 00B6 182 - 00C6 198 00D6 214 Ц 00E6	Ч 0097 151 3 00A7 167	 ₩ 0098 152 M 0008 184 ½ 0008 200 ‡ 0008 216 ₩ 00E8 	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	D 009A 154 K 00AA 170 □ 00BA 186 □ □ 00CA 202 □ □ 00DA 218 □ 00EA	009B 155 Л 00AB 171	009C 156 M 00AC 172 J 00BC 188 IF 00CC 204 ■ 00DC 220 Ь 00EC	9 009D 157 H 00AD 173 JJ 00BD 189 = 00CD 205 J 00DD 221 3 00ED	009E 158 0 00AE 174 J 00BE 190 JL 00CE 206 00DE 222 HO 00EE	009F 159
Hex Dec Char Char Hex Dec Char	0090 144 a 00A0 160 00B0 176 L 00C0 192 IL 00D0 208 p 00E0 224	0091 145 6 00A1 161 00B1 177 L 00C1 193 T 00D1 209 C 00E1 225	0092 146 B 00A2 162 00B2 178 T 00C2 194 T 00D2 210 T 00E2 226	0093 147 r 00A3 163 00B3 179 - 00C3 195 L 00D3 211 y	Ф 0094 148 A 00A4 164 - 00B4 180 - 00C4 196 L 00D4 212 ф 00E4 228	0095 149 e 00A5 165 00B5 181 00C5 197 00D5 213 X 00E5 229	0096 150 Ж 00A6 166 - 00B6 182 - 00C6 198 00D6 214 Ц 00E6 230	U 0097 151 3 00A7 167 ∏ 00B7 183 ↓ 00C7 199 ↓ 00D7 215 U 00E7 231	 ₩ 0098 152 ⋈ 0008 184 ½ 0008 200 ‡ 0008 216 ₩ 00E8 232 	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	009A 154 K 00AA 170 □ 00BA 186 □ 1L 00CA 202 Γ 00DA 218	009B 155 J 00AB 171 00BB 187 T 00CB 203 00DB 219 bl 00EB 235	009C 156 M 00AC 172 J 00BC 188 F 00CC 204 00DC 220 b 00EC 236	9 009D 157 H 00AD 173 JJ 00BD 189 = 00CD 205 I 00DD 221	009E 158 0 00AE 174 J 00BE 190 JL 00CE 206 00DE 222 HO	009F 159
Hex Dec Char Hex Hex	0090 144 a 00A0 160 00B0 176 L 00C0 192 IL 00D0 208 p 00E0	0091 145 6 00A1 161 00B1 177 L 00C1 193 ¬ 00D1 209 C 00E1	0092 146 B 00A2 162 00B2 178 T 00C2 194 T 00D2 210 T 00E2	0093 147 r 00A3 163 00B3 179 00C3 195 L 00D3 211 y 00E3	Ф 0094 148 A 00A4 164 - 00B4 180 - 00C4 196 L 00D4 212 ф 00E4	0095 149 e 00A5 165 d 00B5 181 + 00C5 197 F 00D5 213 x 00E5	0096 150 Ж 00A6 166 - 00B6 182 - 00C6 198 00D6 214 Ц 00E6	Ч 0097 151 3 00A7 167	 ₩ 0098 152 M 0008 184 ½ 0008 200 ‡ 0008 216 ₩ 00E8 	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	D 009A 154 K 00AA 170 □ 00BA 186 □ □ 00CA 202 □ □ 00DA 218 □ 00EA	009B 155 Л 00AB 171	009C 156 M 00AC 172 J 00BC 188 IF 00CC 204 ■ 00DC 220 Ь 00EC	9 009D 157 H 00AD 173 JJ 00BD 189 = 00CD 205 J 00DD 221 3 00ED	009E 158 0 00AE 174 J 00BE 190 JL 00CE 206 00DE 222 HO 00EE	009F 159
Hex Dec Char Hex Dec	0090 144 a 00A0 160 00B0 176 L 00C0 192 IL 00D0 208 p 00E0 224	0091 145 6 00A1 161 00B1 177 L 00C1 193 T 00D1 209 C 00E1 225	0092 146 B 00A2 162 00B2 178 T 00C2 194 T 00D2 210 T 00E2 226	0093 147 r 00A3 163 00B3 179 00C3 195 L 00D3 211 y 00E3 227	Ф 0094 148 A 00A4 164 - 00B4 180 - 00C4 196 L 00D4 212 ф 00E4 228	0095 149 e 00A5 165 00B5 181 00C5 197 00D5 213 X 00E5 229	0096 150 Ж 00A6 166 - 00B6 182 - 00C6 198 00D6 214 Ц 00E6 230	U 0097 151 3 00A7 167 ∏ 00B7 183 ↓ 00C7 199 ↓ 00D7 215 U 00E7 231	 ₩ 0098 152 ⋈ 0008 184 ½ 0008 200 ‡ 0008 216 ₩ 00E8 232 	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	b 009A 154 K 00AA 170 □ 00BA 186 □ □ 00CA 202 Γ 00DA 218 b 00EA 234	009B 155 J 00AB 171 00BB 187 T 00CB 203 00DB 219 bl 00EB 235	009C 156 M 00AC 172 J 00BC 188 F 00CC 204 00DC 220 b 00EC 236	9 009D 157 H 00AD 173 J 00BD 189 = 00CD 205 I 00DD 221 3 00ED 237	009E 158 0 00AE 174 J 00BE 190 T 00CE 206 00DE 222 00EE 238	009F 159



VISCII CODE TABLE (Vietnamense standard code)

Char	NUL	SOH	Å	ETX	EOT	Ã	Ã	BEL	BS	нт	LF	VT	FF	CR	so	SI
Hex	0000	0001	0002	0003	0004	0005	0006	0007	0008	0009	000A	000B	000C	000D	000E	000F
Dec	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Char	DLE	DC1	DC2	DC3	Ý	NAK	SYN	ЕТВ	CAN	Ϋ́	SUB	ESC	FS	GS	Υ	US
Hex	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	001A	001B	001C	001D	001E	001F
Dec	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Char	SP	!	66	#	\$	%	&	6	()	*	+	,	-		7
Hex	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	002A	002B	002C	002D	002E	002F
Dec	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Char	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
Hex	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	003A	003B	003C	003D	003E	003F
Dec	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Char	@	Α	В	С	D	Е	F	G	Н	I	J	K	L	M	N	0
Hex	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	004A	004B	004C	004D	004E	004F
Dec	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
Char	Р	Q	R	S	Т	U	V	W	X	Υ	Z	[١]	۸	_
Hex	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	005A	005B	005C	005D	005E	005F
Dec	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
Char	`	а	b	С	d	е	f	g	h	i	j	k	I	m	n	0
Hex	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	006A	006B	006C	006D	006E	006F
Dec	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
Char	р	q	r	S	t	u	V	w	X	У	Z	{		}	~	DEL
Hex	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	007A	007B	007C	007D	007E	007F
Dec	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
Char																
	À	Α	Å	À	Â	Â	Â	À	Ë	Ė	Ê	Ê	Ê	Ē	Ê	Ó
Hex	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	008A	008B	008C	008D	008E	008F
Hex Dec	0080 128	0081 129	0082 130	0083	0084 132	0085 133	0086 134	0087 135	0088 136	0089 137	008A 138	008B 139	008C 140	008D 141	008E 142	008F 143
Hex Dec Char	0080 128 Ò	0081 129 Õ	0082 130 Õ	0083 131 Q	0084 132 Q	0085 133 Ở	0086 134 Ò	0087 135 Ở	0088 136	0089 137 Č	008A 138 Q	008B 139	008C 140 Ů	008D 141 Ũ	008E 142 Ų	008F 143 Ý
Hex Dec Char Hex	0080 128 Ò 0090	0081 129 Õ 0091	0082 130 Õ 0092	0083 131 Q 0093	0084 132 Q' 0094	0085 133 Ó' 0095	0086 134 Ò' 0096	0087 135 Ở 0097	0088 136 ! 0098	0089 137 Ŏ 0099	008A 138 Q 009A	008B 139 Î 009B	008C 140 Ů 009C	008D 141 Ũ 009D	008E 142 Ų 009E	008F 143 Ŷ 009F
Hex Dec Char Hex Dec	0080 128 Ò 0090 144	0081 129 Õ 0091 145	0082 130 Õ 0092 146	0083 131 Q 0093 147	0084 132 O' 0094 148	0085 133 Ở 0095 149	0086 134 Ò' 0096 150	0087 135 Ở 0097 151	0088 136 ! 0098 152	0089 137 Č 0099 153	008A 138 Q 009A 154	008B 139 Î 009B 155	008C 140 Ů 009C 156	008D 141 Ũ 009D 157	008E 142 Ų 009E 158	008F 143 Ŷ 009F 159
Hex Dec Char Hex Dec Char	0080 128 Ô 0090 144 Õ	0081 129 Õ 0091 145 ǎ	0082 130 Õ 0092 146 ằ	0083 131 Q 0093 147 ặ	0084 132 O' 0094 148	0085 133 Ó' 0095 149 ầ	0086 134 Ò' 0096 150	0087 135 Ở 0097 151 ậ	0088 136 	0089 137 Ŏ 0099 153 e	008A 138 •• 009A 154	008B 139 Î 009B 155	008C 140 Ů 009C 156	008D 141 Ũ 009D 157 ề	008E 142 Ų 009E 158	008F 143 Ŷ 009F 159
Hex Dec Char Hex Dec Char Hex	0080 128 Ò 0090 144 Õ 00A0	0081 129 Ô 0091 145 ǎ 00A1	0082 130 Õ 0092 146 ằ	0083 131 Q 0093 147 ặ 00A3	0084 132 Q' 0094 148 á 00A4	0085 133 Ó' 0095 149 ầ 00A5	0086 134 Ò' 0096 150 ả 00A6	0087 135 Ở 0097 151 ậ 00A7	0088 136 	0089 137 O 0099 153 e 00A9	008A 138 Q 009A 154 ê 00AA	008B 139 Î 009B 155 ề 00AB	008C 140 Ů 009C 156 ể 00AC	008D 141 Ũ 009D 157 ề 00AD	008E 142 Ų 009E 158 ệ 00AE	008F 143 Ŷ 009F 159 ố 00AF
Hex Dec Char Hex Dec Char Hex Dec	0080 128 Ô 0090 144 Õ 00A0 160	0081 129 $\mathring{\mathbf{O}}$ 0091 145 $\check{\mathbf{a}}$ 00A1 161	0082 130 Õ 0092 146 à 00A2 162	0083 131 Q 0093 147 ặ 00A3 163	0084 132 O' 0094 148 á 00A4 164	0085 133 Ó' 0095 149 à 00A5 165	0086 134 Ò' 0096 150 ả 00A6 166	0087 135 Ở 0097 151 ậ 00A7 167	0088 136 0098 152 e 00A8 168	0089 137 O 0099 153 Q 00A9 169	008A 138 Q 009A 154 É 00AA 170	008B 139 Î 009B 155 ề 00AB 171	008C 140 Ů 009C 156 ể 00AC 172	008D 141 Ũ 009D 157 ễ 00AD 173	008E 142 Ų 009E 158 ệ 00AE 174	008F 143 Ŷ 009F 159 ố 00AF 175
Hex Dec Char Hex Dec Char Hex Char Hex Char	0080 128 Ò 0090 144 Õ 00A0 160	0081 129	0082 130 Õ 0092 146 à 00A2 162	0083 131 $\hat{\mathbf{Q}}$ 0093 147 $\check{\mathbf{a}}$ 00A3 163	0084 132 O' 0094 148 á 00A4 164 O'	0085 133 O' 0095 149 à 00A5 165	0086 134 Ò' 0096 150 ả 00A6 166 Ò'	0087 135 Ở ' 0097 151 â 00A7 167	0088 136 	0089 137 O 0099 153 Q 00A9 169	008A 138 Q 009A 154 É 00AA 170	008B 139 i 009B 155 è 00AB 171 ù	008C 140 Ů 009C 156 ể 00AC 172 Ů	008D 141 Ũ 009D 157 ễ 00AD 173	008E 142 U 009E 158 ê 00AE 174	008F 143 Ŷ 009F 159 ố 00AF 175 Ư
Hex Dec Char Hex Dec Char Hex Dec Char Hex Hex	0080 128 Ô 0090 144 Õ 00A0 160	0081 129 $\mathring{\mathbf{O}}$ 0091 145 $\check{\mathbf{a}}$ 00A1 161	0082 130 Õ 0092 146 à 00A2 162	0083 131 Q 0093 147 ặ 00A3 163	0084 132 O' 0094 148 á 00A4 164	0085 133 Ó' 0095 149 à 00A5 165	0086 134 Ò' 0096 150 ả 00A6 166	0087 135 Ở 0097 151 ậ 00A7 167	0088 136 0098 152 e 00A8 168	0089 137 O 0099 153 Q 00A9 169	008A 138 Q 009A 154 É 00AA 170	008B 139 Î 009B 155 ề 00AB 171	008C 140 Ů 009C 156 ể 00AC 172	008D 141 Ũ 009D 157 ễ 00AD 173	008E 142 Ų 009E 158 ệ 00AE 174	008F 143 Ŷ 009F 159 ô 00AF 175 U' 00BF
Hex Dec Char Hex Dec Char Hex Char Hex Char	0080 128 Ò 0090 144 Õ 00A0 160 Ò 00B0 176	0081 129	0082 130 Õ 0092 146 ằ 00A2 162 Õ 00B2 178	0083 131 Q 0093 147 ặ 00A3 163 Q 00B3 179	0084 132 Q' 0094 148 á 00A4 164 O' 00B4 180	0085 133 Ô' 0095 149 à 00A5 165 Ô 00B5 181	0086 134 Ò' 0096 150 Â 00A6 166 Ò' 00B6 182	0087 135 Ở 0097 151 ậ 00A7 167 ở 00B7 183	0088 136 0098 152 00A8 168 00B8 184	0089 137 Ô 0099 153 e 00A9 169 U ' 00B9 185	008A 138 Q 009A 154 É 00AA 170 Ú ' 00BA 186	008B 139 Î 009B 155 ề 00AB 171 Ù' 00BB 187	008C 140 Ů 009C 156 ề 00AC 172 Ů ' 00BC 188	008D 141 Ũ 009D 157 ễ 00AD 173 O' 00BD 189	008E 142 U 009E 158 ê 00AE 174 ớ 00BE 190	008F 143 Ŷ 009F 159 ố 00AF 175 U' 00BF 191
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec	0080 128 Ô 0090 144 Õ 00A0 160 Ô 00B0	0081 129 0 0091 145 2 00A1 161 00B1	0082 130 Õ 0092 146 à 00A2 162 Õ 00B2	0083 131 $\hat{\mathbf{Q}}$ 0093 147 $\check{\mathbf{q}}$ 00A3 163 $\check{\mathbf{O}}'$ 00B3	0084 132 Q' 0094 148 á 00A4 164 O' 00B4	0085 133 Ô' 0095 149 à 00A5 165 Ô 00B5	0086 134 Ò' 0096 150 ẫ 00A6 166 Ò'	0087 135 Ở ' 0097 151 ậ 00A7 167 ở '	0088 136 	0089 137 O 0099 153 e 00A9 169 U ' 00B9	008A 138 Q 009A 154 É 00AA 170 Ú '	008B 139 Î 009B 155 è 00AB 171 Ù'	008C 140 Ů 009C 156 ể 00AC 172 Ů	008D 141 Ũ 009D 157 ễ 00AD 173 O' 00BD	008E 142 Ų 009E 158 ệ 00AE 174 ở	008F 143 Ŷ 009F 159 ô 00AF 175 U' 00BF
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Char Hex Dec Char	0080 128 Ô 0090 144 Õ 00A0 160 Ò 00B0 176	0081 129 0091 145 ǎ 00A1 161 ô 00B1 177	0082 130 Õ 0092 146 à 00A2 162 Õ 00B2 178	0083 131 Q 0093 147 Ă 00A3 163 Q 00B3 179	0084 132 Q' 0094 148 á 00A4 164 O' 00B4 180	0085 133 Ô' 0095 149 À 00A5 165 Ô 00B5 181	0086 134 Ô' 0096 150 Ã 00A6 166 Ò' 00B6 182	0087 135 Ô' 0097 151 â 00A7 167 Ô' 00B7 183	0088 136 0098 152 6 00A8 168 	0089 137 Č 0099 153 e 00A9 169 U ' 00B9 185 É	008A 138 Q 009A 154 É 00AA 170 Ú ' 00BA 186 Ē	008B 139 i 009B 155 è 00AB 171 ù' 00BB 187 È	008C 140 Ů 009C 156 ể 00AC 172 Ů 00BC 188	008D 141 Ũ 009D 157 ễ 00AD 173 O' 00BD 189	008E 142 U 009E 158 e 00AE 174 Ó 00BE 190	008F 143 Ŷ 009F 159 ổ 00AF 175 U' 00BF 191
Hex Dec Char Hex Dec Char Hex Dec Char Hex Dec Char Hex Hex Dec Char	0080 128 Ô 0090 144 Õ 00A0 160 ồ 00B0 176 À	0081 129 0 0091 145 ǎ 00A1 161 00B1 1777 Å	0082 130 Õ 0092 146 ằ 00A2 162 Õ 00B2 178 Â 00C2	0083 131 Q 0093 147 ặ 00A3 163 Q 00B3 179 Ã 00C3	0084 132 Q' 0094 148 Á 00A4 164 O' 00B4 180 Å 00C4 196	0085 133 Ô' 0095 149 À 00A5 165 Ô 00B5 181 Ă 00C5 197	0086 134 Ò' 0096 150 Â 00A6 166 Ò' 00B6 182 Å 00C6 198	0087 135 Ở 0097 151 â 00A7 167 ở 00B7 183 ã 00C7 199	0088 136 0098 152 00A8 168 	0089 137 Ô 0099 153 e 00A9 169 U' 00B9 185 É 00C9	008A 138 Q 009A 154 É 00AA 170 Ú ' 00BA 186 Ê	008B 139 i 009B 155 e 00AB 171 i' 00BB 187 E 00CB 203	008C 140 Ů 009C 156 ề 00AC 172 Ů ' 00BC 188 Ì 00CC 204	008D 141 009D 157 00AD 173 00BD 189 1 00CD	008E 142	008F 143 Ŷ 009F 159 δ 00AF 175 U' 00BF 191 Ŷ 00CF
Hex Dec Char Hex Dec	0080 128 Ô 0090 144 Õ 00A0 160 ồ 00B0 176 À 00C0 192	0081 129 0 0091 145 $\dot{\mathbf{a}}$ 00A1 161 $\dot{\mathbf{o}}$ 00B1 177 $\dot{\mathbf{A}}$ 00C1 193	0082 130 Õ 0092 146 à 00A2 162 Õ 00B2 178 Â 00C2	0083 131 Q 0093 147 Ă 00A3 163 O' 00B3 179 Ā 00C3 195	0084 132 O' 0094 148 Á 00A4 164 O' 00B4 180 Å	0085 133 Ô' 0095 149 à 00A5 165 Ô 00B5 181 Ă	0086 134 Ô' 0096 150 Â 00A6 166 Ò' 00B6 182 Å	0087 135 Ở 0097 151 ậ 00A7 167 ở 00B7 183 ẵ	0088 136 0098 152 00A8 168 00B8 184 E 00C8 200	0089 137 O 0099 153 P 00A9 169 U 00B9 185 E 00C9 201	008A 138 Q 009A 154 Ê 00AA 170 Ú 00BA 186 Ê 00CA 202	008B 139 i 009B 155 e 00AB 171 i' 00BB 187 E 00CB	008C 140 Ů 009C 156 ể 00AC 172 Ů 00BC 188 Ì 00CC	008D 141 009D 157 6 00AD 173 0' 00BD 189 1 00CD 205	008E 142 U 009E 158 Q 00AE 174 Ó 00BE 190 I 00CE 206	008F 143 Ŷ 009F 159 ố 00AF 175 U' 00BF 191 Ŷ 00CF 207
Hex Dec Char Char Hex Dec Char	0080 128 Ô 0090 144 Õ 00A0 160 ồ 00B0 176 À 00C0 192	0081 129 0 0091 145 3 00A1 161 0 00B1 177 4 00C1 193	0082 130 Õ 0092 146 à 00A2 162 Õ 00B2 178 Â 00C2 194	0083 131	0084 132 Q' 0094 148 á 00A4 164 Q' 00B4 180 Å 00C4 196	0085 133 Ô' 0095 149 à 00A5 165 Ô 00B5 181 Ă 00C5 197	0086 134 Ô' 0096 150 Â 00A6 166 Ò' 00B6 182 Å 00C6 198	0087 135 Ô' 0097 151 â 00A7 167 Ô' 00B7 183 ã 00C7 199	0088 136 0098 152 00A8 168 00B8 184 È 00C8 200 ů	0089 137 Ô 0099 153 e 00A9 169 U' 00B9 185 É 00C9 201	008A 138 Q 009A 154 é 00AA 170 Ú ' 00BA 186 Ê 00CA 202 Ú	008B 139 i 009B 155 è 00AB 171 ù' 00BB 187 E 00CB 203	008C 140 Ů 009C 156 ể 00AC 172 Ů 00BC 188 Ì 00CC 204	008D 141 Ũ 009D 157 ễ 00AD 173 O' 00BD 189 Í 00CD 205 Ý	008E 142 U 009E 158 ê 00AE 174 Ó 00BE 190 Î 00CE 206	008F 143 Ŷ 009F 159 ổ 00AF 175 U' 00BF 191 Ŷ 00CF 207
Hex Dec Char Hex Hex Dec Char Hex Dec	0080 128 Ô 0090 144 Õ 00A0 160 ồ 00B0 176 À 00C0 192 Đ	0081 129 Ô 0091 145 ǎ 00A1 161 Ô 00B1 1777 Á 00C1 193 ử 00D1	0082 130 Õ 0092 146 ằ 00A2 162 ỗ 00B2 178 Â 00C2 194 Ò	0083 131 Q 0093 147 ặ 00A3 163 Q 00B3 179 Ã 00C3 195 Q 00D3	0084 132 Q' 0094 148 Â 00A4 164 O' 00B4 180 Â 00C4 196 Ô	0085 133 Ô' 0095 149 à 00A5 165 Ô 00B5 181 Ă 00C5 197 a 00D5	0086 134 Ô' 0096 150 Â 00A6 166 Ò' 00B6 182 Â 00C6 198	0087 135 Ô' 0097 151 â 00A7 167 Ô' 00B7 183 ã 00C7 199 ù	0088 136 0098 152 00A8 168	0089 137 Ô 0099 153 e 00A9 169 U' 00B9 185 É 00C9 201 Ù 00D9	008A 138 Q 009A 154 É 00AA 170 Ú 00BA 186 Ē 00CA 202 Ú 00DA	008B 139 i 009B 155 e 00AB 171 U 00BB 187 E 00CB 203 ÿ 00DB	008C 140 Ů 009C 156 ề 00AC 172 Ů 00BC 188 Ì 00CC 204 Y	008D 141 009D 157 00AD 173 00BD 189 1 00CD 205 Ý 00DD	008E 142	008F 143 Ŷ 009F 159 δ 00AF 175 U' 00BF 191 Ŷ 00CF 207 U' 00DF
Hex Dec Char Hex Dec	0080 128 Ô 0090 144 Õ 00A0 160 Ô 00B0 176 À 00C0 192 Đ 00D0 208	0081 129 0 0091 145 x 00A1 161 0 00B1 1777 A 00C1 193 tr 00D1 209	0082 130 Õ 0092 146 ằ 00A2 162 ỗ 00B2 178 Â 00C2 194 Ò 00D2 210	0083 131	0084 132 Q' 0094 148 á 00A4 164 O' 00B4 180 Å 00C4 196 Ô 00D4 212	0085 133 Ô' 0095 149 À 00A5 165 Ô 00B5 181 Ă 00C5 197 4 00D5 213	0086 134 Ô' 0096 150 Â 00A6 166 Ò' 00B6 182 Ã 00C6 198 Ĵ 00D6 214	0087 135 Ở 0097 151 â 00A7 167 ở 00B7 183 ã 00C7 199 Ù 00D7 215	0088 136 0098 152 00A8 168 00B8 184 00C8 200 00D8 216	0089 137 0 0099 153 0 0049 169 U 0089 185 E 0009 201 U 0009 217	008A 138 Q 009A 154 É 00AA 170 Ú 00BA 186 Ê 00CA 202 Ú 00DA 218	008B 139 i 009B 155 e 00AB 171 i' 00BB 187 E 00CB 203 j 00DB 219	008C 140 Ů 009C 156 ề 00AC 172 Ů 00BC 188 Ì 00CC 204 Y . 00DC 220	008D 141 009D 157 00AD 173 00BD 189 1 00CD 205 Y 00DD 221	008E 142	008F 143 Ŷ 009F 159 ố 00AF 175 U' 00BF 191 Ŷ 00CF 207 U' 00DF 223
Hex Dec Char Char Hex Dec Char Char	0080 128 Ô 0090 144 Õ 00A0 160 Ò 00B0 176 À 00C0 192 D 00D0 208	0081 129 0 0091 145	0082 130 Õ 0092 146 à 00A2 162 Õ 00B2 178 Â 00C2 194 Ò 00D2 210 â	0083 131	0084 132 Q' 0094 148 á 00A4 164 Q' 00B4 180 Å 00C4 196 Ô 00D4 212	0085 133 Ô' 0095 149 à 00A5 165 Ô 00B5 181 Ă 00C5 197 a 00D5 213	0086 134 Ô' 0096 150 Ã 00A6 166 Ò' 00B6 182 Ã 00C6 198 Ŷ 00D6 214	0087 135 Ô' 0097 151 â 00A7 167 Ô' 00B7 183 ã 00C7 199 ù' 00D7 215	0088 136 0098 152 00A8 168 00B8 184 È 00C8 200 0DB8 216 è	0089 137 Ô 0099 153 e 00A9 169 U' 00B9 185 É 00C9 201 Ù 00D9 217	008A 138 Q 009A 154 é 00AA 170 Ú 00BA 186 Ê 00CA 202 Ú 00DA 218 ê	008B 139 i 009B 155 è 00AB 171 i' 00BB 187 E 00CB 203 ÿ 00DB 219	008C 140 009C 156 00AC 172 00BC 188 00CC 204 y. 00DC 220 ì	008D 141 009D 157 00AD 173 00BD 189 1 00CD 205 Ý 00DD 221 1	008E 142	008F 143 Ŷ 009F 159 ổ 00AF 175 U' 00BF 191 Ŷ 00CF 207 U' 00DF 223
Hex Dec Char Hex Dec	0080 128 Ô 0090 144 Õ 00A0 160 Ò 00B0 176 À 00C0 192 Đ 00D0 208 à 00E0	0081 129 Ô 0091 145	0082 130 Õ 0092 146 ằ 00A2 162 ỗ 00B2 178 Â 00C2 194 Ò 00D2 210 â	0083 131	0084 132 O' 0094 148 á 00A4 164 O' 00B4 180 Å 00C4 196 Ô 00D4 212 å	0085 133 Ô' 0095 149 à 00A5 165 Ô 00B5 181 Ă 00C5 197 a 00D5 213 ă 00E5	0086 134 Ô' 0096 150 Â 00A6 166 Ò' 00B6 182 Ã 00C6 198 Ў 00D6 214 Ü' 00E6	0087 135 Ô' 0097 151 â 00A7 167 Ô' 00B7 183 ã 00C7 199 ù' 00D7 215 ã	0088 136 0098 152 00A8 168 00B8 184 È 00C8 200 00D8 216 00E8	0089 137 Ô 0099 153 e 00A9 169 U' 00B9 185 É 00C9 201 Ù 00D9 217 é 00E9	008A 138 Q 009A 154 É 00AA 170 Ú' 00BA 186 Ê 00CA 202 Ú 00DA 218 Ê 00EA	008B 139 i 009B 155 e 00AB 171 i' 00BB 187 E 00CB 203 ÿ 00DB 219 e 00EB	008C 140 009C 156 00AC 172 00BC 188 00CC 204 y. 00DC 220 ì 00EC	008D 141 009D 157 6 00AD 173 00BD 189 1 00CD 205 Ý 00DD 221 1 00ED	008E 142	008F 143 Ŷ 009F 159 δ 00AF 175 U' 00BF 191 Ŷ 00CF 207 U' 00DF 223 i 00EF
Hex Dec Char Hex Dec	0080 128 Ô 0090 144 Õ 00A0 160 Ô 00B0 176 À 00C0 192 Đ 00D0 208 à 00E0 224	0081 129 Ô 0091 145 á 00A1 161 ô 00B1 177 Á 00C1 193 Ú 00D1 209 á 00E1 225	0082 130 Õ 0092 146 à 00A2 162 Õ 00B2 178 Â 00C2 194 Ò 00D2 210 â 00E2 226	0083 131	0084 132 Q' 0094 148 á 00A4 164 O' 00B4 180 Å 00C4 196 Ô 00D4 212 ả 00E4 228	0085 133 Ô' 0095 149 À 00A5 165 Ô 00B5 181 Ă 00C5 197 a 00D5 213 ă 00E5 229	0086 134 Ô' 0096 150 Â 00A6 166 Ò' 00B6 182 Ä 00C6 198 Ĵ' 00D6 214 Ŭ' 00E6 230	0087 135 Ô' 0097 151 â 00A7 167 Ô' 00B7 183 ã 00C7 199 Ù' 00D7 215 ã 00E7 231	0088 136 0098 152 00A8 168 00B8 184 00C8 200 00D8 216 00E8 232	0089 137 Ô 0099 153 e 00A9 169 U' 00B9 185 É 00C9 201 Ù 00D9 217 é 00E9 233	008A 138 Q 009A 154 É 00AA 170 Ú' 00BA 186 E 00CA 202 Ú 00DA 218 E 00EA 234	008B 139 Î 009B 155 ê 00AB 171 Û' 00BB 187 Ê 00CB 203 ỹ 00DB 219 ê 00EB 235	008C 140 009C 156 00AC 172 00BC 188 00CC 204 y. 00DC 220 i 00EC 236	008D 141 009D 157 00AD 173 00BD 189 1 00CD 205 Ý 00DD 221 1 00ED 237	008E 142	008F 143 Ŷ 009F 159 ổ 00AF 175 U' 00BF 191 Ŷ 00CF 207 U 00DF 223 i 00EF 239



8 CONSUMABLES

The following table shows the list of available consumables for device:

DESCRIPTION	CODE
	6730000000406
THERMAL PAPER ROLL	
width = 80mm Ø external = 90mm Ø core = 25mm	



9 ACCESSORIES

The following table shows the list of available accessories for device:

DESCRIPTION CODE 963GE020000003 **POWER SUPPLY** (for technical specifications, see the paragraph 7.1) 2690000000005 ADAPTER CABLE FOR POWER SUPPLY (see the paragraph 9.1) 26500000000356 **USB CABLE TYPE A-B** Length = 1.8 m 26500000000311 SERIAL CABLE RJ-DB9F Length = 1.5 m

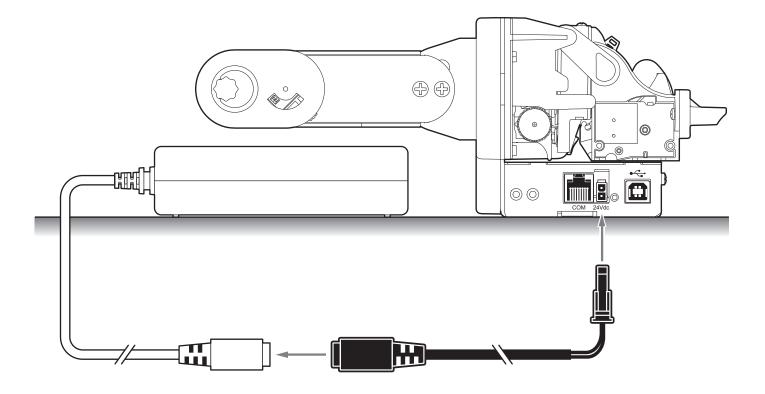


9.1 Adapter cable for power supply

For the device is available an adapter cable (cod. 269000000005) supplied as an accessory, for connecting the device to the external power supply unit (cod. 963GE020000003 - optional).

Assembly instructions

Connect the adapter cable to the power supply unit as follows:



10 ALIGNMENT

The device is provided with a sensor for the use of alignment notch in order to handle rolls of tickets with pre-printed fields and a fixed length.

The alignment sensor is a "reflection" sensor: this kind of sensor emits a band of light and detects the quantity of light reflected to it. The presence of the notch is therefore detected by the amount of light that returns to the sensor, considering that the light is reflected by the white paper and absorbed by the black mark.

To ensure the correct alignment, you must enable the "Notch Alignment" parameter during the Setup procedure (see chapter 5).

The following paragraphs show how to correctly set the configuration parameters of device in order to assure the alignment.



10.1 Calibration

The sensor calibration occurs automatically and consists in adjusting the quantity of light emitted to match the degree of whiteness of the paper used and the degree of black of the mark printed on paper.

The device automatically performs the self-calibration during the Setup procedure only if the "Notch Alignment" parameter is set to a value other than "Disabled" (see chapter 5).

When self-calibration starts, the device performs some paper feeds and then it prints the calibration result and the value of the PWM duty-cicle of the alignment sensor driver so that it can be perform an optimal notch detection:

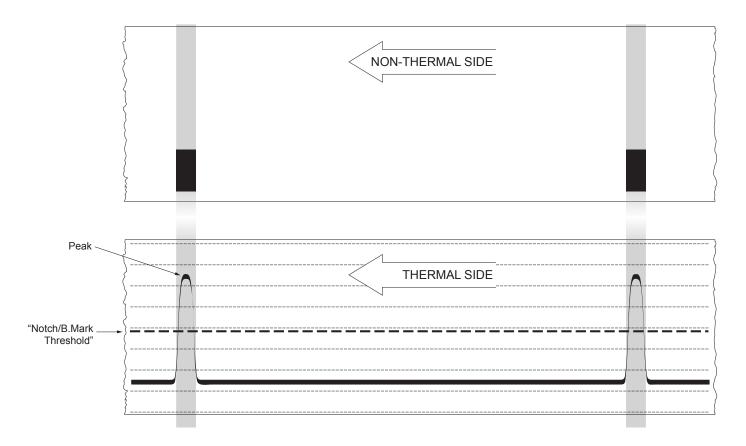
Autosetting Notch: OK PWM Duty Cycle: 85.3%]

The "Autosetting Notch" parameter indicates the result of the self-calibration procedure; OK will appear if it has been successful, NOT OK will appear if the procedure has failed.

After the printing of the procedure result, the device offers the execution of the function of paper characterization "Characterize Paper" and the change of the "Notch Threshold" parameter which represents the detection threshold of the notch.

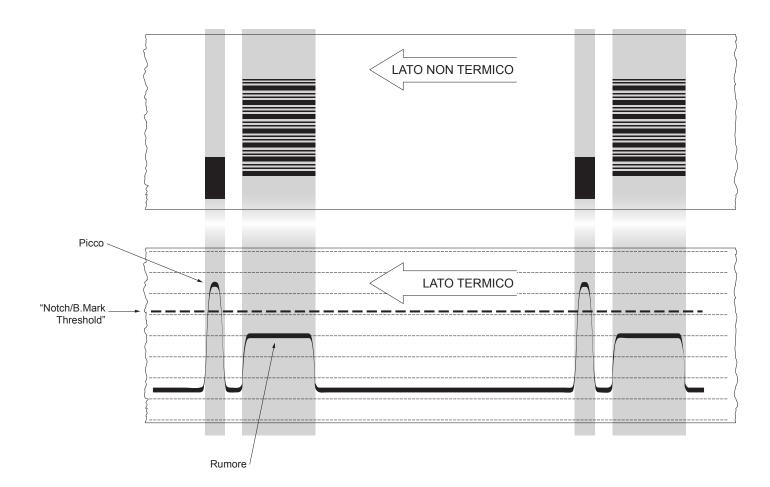
Choosing the "Yes" value for the "Characterize Paper" parameter, the device prints a graphic representation (see following figures) of the outgoing voltage of the alignment sensor (expressed as a percentage) and the "Notch Threshold" value. This graphic representation is useful to set the most suitable value to assign to the "Notch Threshold" parameter and then to better identify the optimal threshold value which takes into account the variations of the signal and the small oscillations around zero.

The following figure shows an example of paper with the non-thermal paper printed with black marks: the outgoing voltage is constant while passing the white paper between two notches and presents a peak at each black mark. In this case, the optimal value for the "Notch Threshold" parameter is placed about half of the peak.





The following figure shows an example of paper with the non-thermal paper printed with black marks and other graphics (for example, a barcode): the outgoing voltage is constant while passing the white paper between two notches, presents a peak at each black mark and presents some "noise" at each barcode. In this case, the optimal value for the "Notch Threshold" parameter is located about halfway between the peak value and the maximum value of the "noise".



If the maximum value of "noise" read by the sensor is very close to the peak value, it might be difficult to place the value of the "Notch Threshold" at an intermediate point. In these cases, it is mandatory that the portion of paper between the point of printing end and the front notch is completely white (no graphics). In this way, the only next graphic detected by the sensor for alignment after the printing end will be the notch.

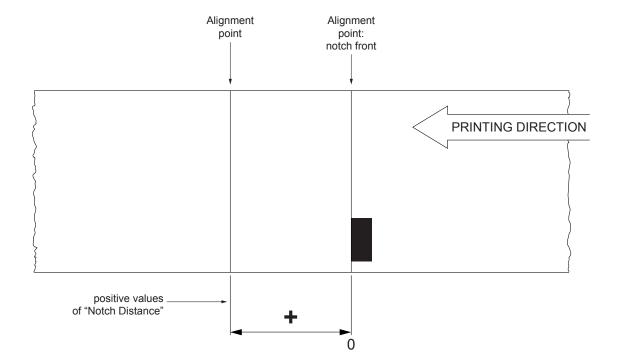


10.2 Alignment parameters

The "alignment point" is defined as the position inside the ticket to use for the notch alignment. The distance between the notch edge and the alignment point is defined as "Notch Distance".

Referring to the front of the notch, the value of "Notch Distance" varies from 0mm minimum and 12.9mm maximum.

If the "Notch Distance" value is set to 0, the alignment point is set at the beginning of the notch.

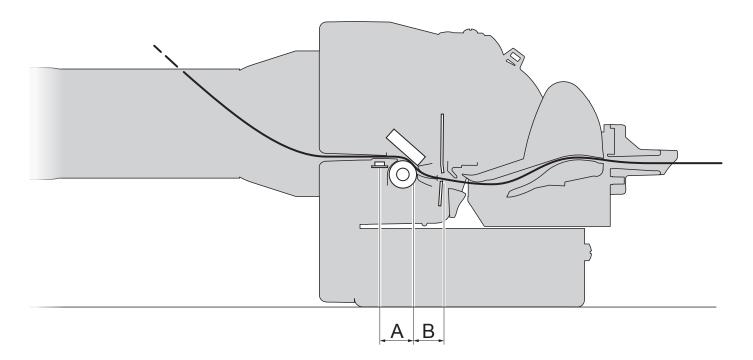




The following figure shows a section of the device with the paper path and the distances between the alignment sensor, the printing head and the cutter (cutting line), where

A = distance between the alignment sensor and the printing line = 12 mm

B = distance between the printing line and the cutting line = 12.5mm



ESC/POS™ emulation

To define the alignment point you need to set the device parameters that compose the numerical value of the "Notch Distance" parameter.

For example, to set a notch distance of 10mm between the notch and the alignment point, the parameters must be set on the following values:

Notch Distance $[mm \times 10]$: 1 Notch Distance $[mm \times 1]$: 0 Notch Distance $[mm \times .1]$: 0

The "Notch Distance" parameter, may be modified as follows:

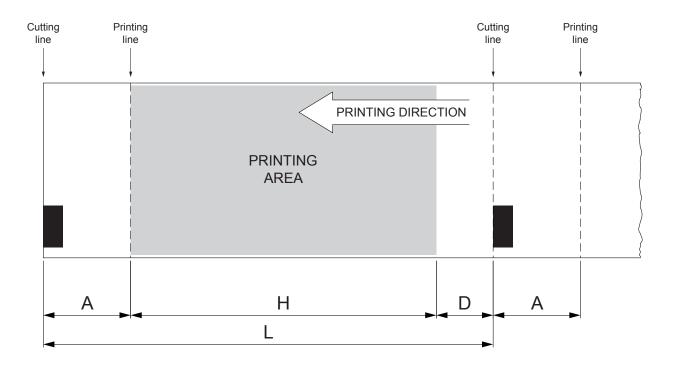
- during the Setup procedure of the device (see chapter 5)
- by using the 0x1D 0xE7 command (for more details, refer to the Commands Manual)
- by driver.



10.3 Printing area

In order to print ticket containing only one notch and to not overlay printing to a notch (that will make it useless for the next alignment), it is important to well calibrate the length of the printing area of ticket according to the inter-notch distance.

The following figure shows an example of tickets with "Notch Distance" set to 0:



A "Non-printable area" = "Distance between cutter/printing head"

where:

"Distance between cutter/printing head" = 12 mm

- H Distance between the first and the last print line, called "Height of the printing area".
- L Distance between an edge of the notch and the next one, called "Inter-notch distance".
- D Automatic feed for alignment at the next notch.

To use all the notches on the paper, you must comply with the following equation:

$$H + A \leq L$$

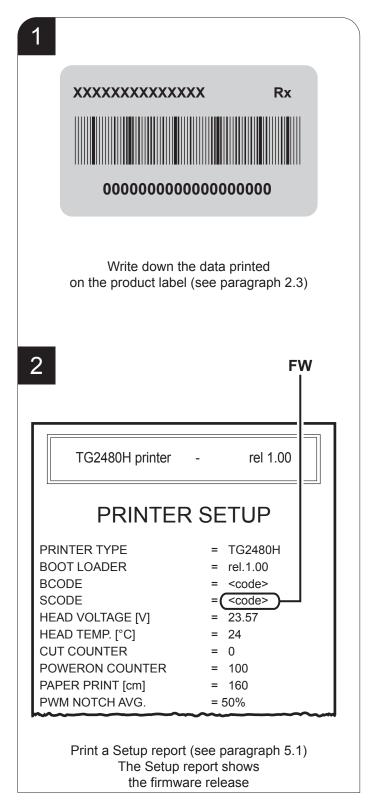
The height of the printing area H can be increased to make no progress on alignment D but no further.

11 TECHNICAL SERVICE

In case of failure, contact the Technical Service by sending an e-mail to support@custom.it detailing:

- 1. Product code
- 2. Serial number
- 3. Hardware release
- 4. Firmware release

To get the necessary data, proceed as follows:







CUSTOM S.p.A.
World Headquarters
Via Berettine, 2/B - 43010 Fontevivo, Parma ITALY
Tel. +39 0521 680111 - Fax +39 0521 610701 info@custom.biz - www.custom.biz

All rights reserved