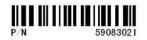


2nd floor, 2#, No. 258, Jinzang Road, Shanghai, China

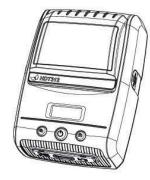


National service line: 400-8861-061

HDT312

portable Printer





Before using your printer ,read carefully the instruction in this chapter



ZICOX



Shanghai ZICOX Print Technology CO.,LTD

Table of Content

Preface	1				
About Manual	1				
Manual Information					
Notice	II				
Safety InstructionIII					
1.Content Confirm					
2.Part Name	2				
3.Display Instruction	3				
4.Before using	5				
4.1 Battery Installation	5				
4.2 Battery charging	6				
4.3 Paper Feeding	7				
5.Basic function	8				
5.1 Turn on	8				
5.2 Turn off	8				
5.3 Paper feeding	9				

5.4 Automatic sleep/wakeup 9
6.Setting10
6.1 Basic setting11
6.2 Self-test
6.3 Self-test information12
7.Communication13
7.1 Serial port communication
7.2 RAW-IR or IrDA Communication 14
7.3 Bluetooth Communication15
8.Maintenance
8.1 Daily maintenance 16
8.2 Printing paper use and storage 16
9.Trouble shoot
10.Appendices18
10.1 Printer parameter18
10.2 Battery recycle20
11.Hazardous Substances Declaration21

Preface

About manual

Before using your printer, read carefully the instruction in this chapter

Symbol and Convention

For the information check we use below symbol:

WARING Warning ,improper use may cause human hurt or death.

NOTICE Notice, improper use may cause human hurt damage

REMARK Remark ,for long and better use of products

The symbol and character may be different with the actual one .

About manual

Below manual supply printer technical details:

- 1. «HDT312 ownern's manual » provide printer hardware /physical /technical details
- 2. «HDT312 development manual » provide printer development details

Notice:

- We have right to change hardware or software without prior inform
- Please contact with us if you find missed or mistake parts
- Without formal allowance do not copy ,spread ,transcribe or storage this file .

STATEMENT

The printer is B class products, radio interference may occur, user have to avoid this problem

Product Model

HDT312 have 2 types :bluetooth and infrared type ,for details please contact with your supplier

Safety

Follow below notes before use

NOTICE Do not disassemble printer yourself ,read manual carefully .

WARING Close the power when trouble happen ,unplug the charger and remove the battery if printer abnormal or have peculiar smell

WARING Do not use printer nearby gas station ,fuel warehouse or other combustible materials .

WARING When charge make sure the ambient temperature between -5°C ~40,use our battery pack and power adapter ∘ Working with others may result in damage of printer ,battery leakage,fire or even explosion

NOTICE Do not open the cover of paper roll compartment or come into contact with the heating

NOTICE head of the printer by hand or any part of your body to avoid burns due to over high temperature when the printer is printing.

NOTICE Do not use dissolved or corrosive chemical products to clean your printer .

NOTICE Use our original or recommend printing paper ,otherwise may reduce the printing quality or damage prinhead .

NOTICE In case of leaving the printer unused for a long period of time, the battery pack must be removed from the printer and kept separately, otherwise battery failure, leakage or even printer damage may occur.

NOTICE Before change battery maker sure turn off the printer, cut the power supply if use charge

NOTICE Though the printer can work normally and stably at the temperature of -10°C to 50°C, over high ambient temperature like 45°C or over low temperature like 5°C may reduce the print

NOTICE Over high ambient humidity (above 85%)

quality.

Due to the fact that the regular thermal paper has a relatively short storage period please select durable thermal paper for printing of receipts or invoices that needed to be stored for a long period of time.

Follow below notes to use battery

NOTICE Before use please read this manual and details on battery .

MARING Charge battery in proper ambient temperature ,if temperature too high may cause battery heat

,flaming or unshaped .

WARING Electrolyte contained in the battery is corrosive. In case you handle it improperly and the liquid

leaked from the battery pack accidentally gets into your skin or clothing, flush with clean water

immediately. If eye contact occurs, flush thoroughly with plenty of clean water immediately and

consult a doctor.

WARING Do not squeeze ,mechanical vibrate or shake battery ,short-circuit is not allowed .

Do not put battery into water ,otherwise short-circuit, battery heat , unshaped ,damage or even

explosion may occur.

MARING Do not expose the battery under sunshine , dusty or place where have much smoke ,

NOTICE change battery when power level lower.

NOTICE Keep battery away from children .

NOTICE Do not use battery if color or shape changed .

Follow below notes to use charger

NOTICE Before use read the manual and details on charger carefully

WARING Do not disassemble or change charger, do not use charger if wire damaged ,otherwise electric shock ,fire and charger damage may occur.

WARING Do not touch charger with wet hands ,please cut off the power supply if charger contact with water or other liquid 。

MARING Do not squeeze ,mechanical vibrate or shake battery

MARING Do not use charger under high temperature ,the equipment is not water resistance ,do not wet the battery or waited in the rain.

WARING Hold the charger when unplug ,otherwise wire may be damaged .

NOTICE Keep the charger away from children , avoid hazardous

1.Standard equipment

⚠ NOTICE

Please contact with your supplier if parts missed

⚠ NOTICE

Please contact your supplier .

Standard accessories



HDT312 printer(1)







Battery (1)

Owner's manual (-) 、Warranty card (-) 、Certificate (-) 、 fast use manual (-)

Optional

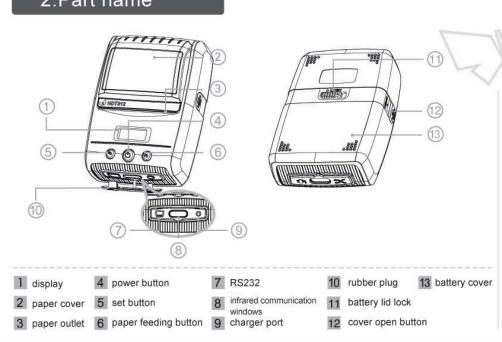


RS232C data wire



Car charger

2.Part name



3.2 Data transmission (**)

When data transmission the symbol blinking -

3.3 Printing 🕒

When printing the symbol will display

3.4 Paper lack

When paper lack or paper loading is incorrect ,the symbol will display

3.5 Lid open 💪

When lid do not close , the symbol will display

3.6 Power level

When charging the symbol will display

3.7 character

This part show the character

4.before usage

REMARK

use, also need charge

after storage for long

Charge before

time

Battery installation ,charging and paper feeding .



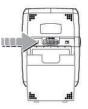
Battery



Printing paper

4.1 Battery installation and notes

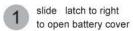
The new printer without battery installation .

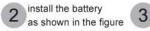


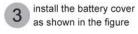












4.2 Charge battery

plug the power adapter into the mains supply power socket and the DC into the power jack of the printer

AC:100V~240V (50-60Hz)



please use our specially designed power adapter ,working with others may result in damage of printer

⚠ WARING

do not remove the battery when charging

REMARK

could print during charging

charger port

Charging: power level blinking .

Charging completed: power level full ..

4.3Printing paper feeding

REMARK

Notice the paper roll

direction if opposite

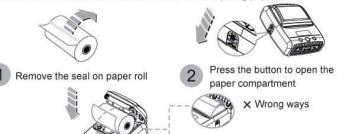
Pull the paper roll out

of paper storage

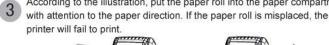
area .

may not print .

HDT312 use diameter 40mm, width 58mm thermal priting paper



According to the illustration, put the paper roll into the paper compartment with attention to the paper direction. If the paper roll is misplaced, the





compartment







Pull a strip of paper out of the compartment, and close

According to the illustration tear out the outside paper

✓Right ways

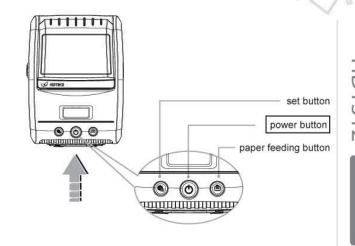
5. basic use

5.1 turn on

Press the power button for 2s to open printer -

5.2 turn off

When unit turned on ,press the power Button 3 s to turn off the printer.





5.3 Paper feeding

Press paper feeding button: (a) feeding 1-2cm

Press constantly: (a) feeding to black label or 2 5cm



5.4 automatic sleep /wakeup

Automatic sleep

After turn on the printer, within 6 s no data transmission or operation, printer will automatic sleep

Automatic wakeup

Press power button (4) or if there is data transmission printer will wakeup

REMARK

More details please reference to «HDT312 development manual »









REMARK

Under sleep mode, "Z"mean remain power level.

6.Printer set

6.1 Printer set

mode) .

option

quite

After turn on printer, Press

Set button change

Reserve and quite: Press

when GCFG on upper-left of

dispaly it mean the printer

power button or within 5 s

no operation the printer

Will reserve setting and

REMARK

under set mode,

Paper feeding:

change option

set button (no sleep

print blackness

©cFa **□** 打印黑度 4

common high

set density

Ocra 打印质量 高 print quality

打印自检页

print self-test

press feeding button (a) to print out

self-test

even high

ENGL I SH Chinese

select language

©cro ⊂**uu** Ianguage: 中文 Language:

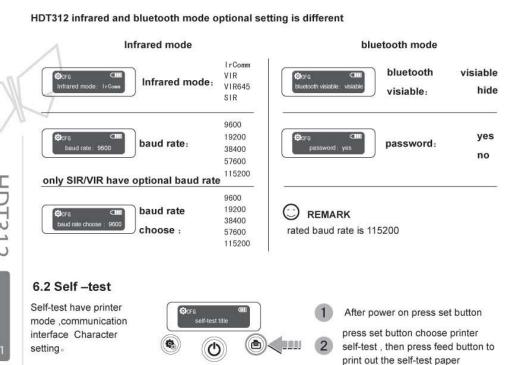
choose different blackness

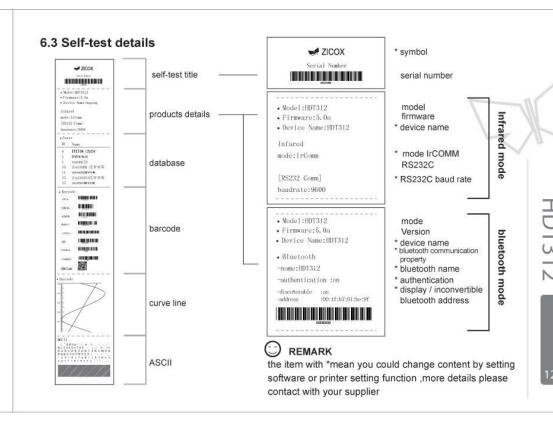
according to the paper











.

7.communication

HDT312 printer have 3 communication interface

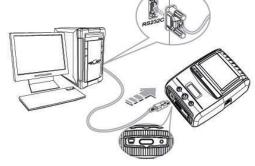
wire: RS232C

wireless: Bluetooth or Vir Vir645 Ircomm Sir

7.1 serial port communication (RS232C)

HDT312 have RS232C wired serial port communication, achieve through 5Pin





REMARK change the baud rate reference "set"

REMARK

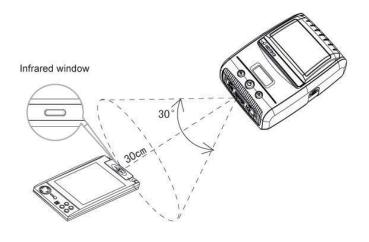
Details see 《HDT312

developmentmanual »

7.2 Infrared communication

HDT31 have infrared communication port , maximum baud rate is 115200.

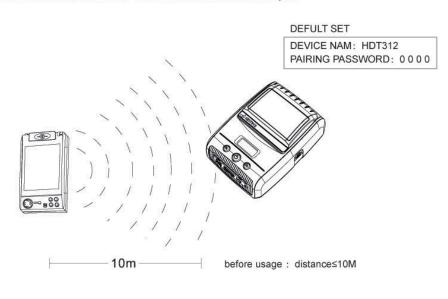
For short distance communication device, direction and distance please reference to below:



infrared : distance ≤ 30cm angle ≤ 30°

7.3 Bluetooth communication

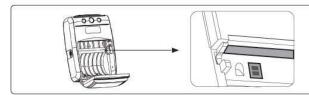
HDT312 have Bluetooth 2.0/CLASS 2 (10m) bluetooth communication port



8.maintain and service

8.1 Printer maintain

- 1. Use the dry cloth to clean the printer .
- 2. Make sure the clean of printhead, details as below



use cotton wool with water-free alcohol to clean the left illustrated two parts on the printer

- 3. Remove the battery and dry the printer if inner part of print have water .
- 4. Please remove the battery if long time not to use printer .

8.2 Printing paper use and storage

- 1. Do not remove the package when storage the paper ,avoid the sunshine and high temperature .
- 2. Printed receipt could storage long term under 20°C temperatuer
- 3. Please choose high quality of thermal paper for long term reservation.

9.Trouble shooting

Trouble status	Trouble cause	Solution	Page	
ong Buzz 2 times Paper lack Install paper		Install paper	7	
Short buzz 2 times Power lack		charge	6	
Only paper feeding without printing	Paper installation is wrong	nstall paper again with opposite direction	7	
l acceptation acceptan	Printer dirty	Clean printer ①	16	
Low printing quality	Ribbon problem	Use high quality ribbon	10	
Long buzz 3 times	Paper compartment do not closed	Close paper compartment	7	
Character faded after	Printing paper problem	Use high quality printing paper	16	
weeks of printed	Storage temperature too	Storage temperature around	16	
Turn off automatically	high Power run out	20C charge	6	

Remark: igoplus use low quality printing paper may result the poor printing quality

10. Printer details

10.1 PRINTER DETEAILS

Print performance		
Print Method	Thermal line	
Paper Width	58mm	
Print Width	48mm 16 Chinese chars/Line; 32 English chars/Line(Font Height: 24dots)	
Print speed(max)	60mm/s	
Printing Density	203dpi (8 dots/mm)	
Code page	ASCII(8X16,12X24)、GBK(16X16,24X24)、BIG5(16X16,24X24)	
Reliability	50km/dot:100miilion	
Defult set	ESC/POS Compatible setting	
Printing content	g content English ,number ,symbols ,chinese character ,curveline ,prestored symbol , one dimension (UPCA UPCE	
Printing length after charge	100-130 m (12.5% printing density)	
Charge way	Standby charge	
Charge time	2.5H	
Printer standby time	100 – 132H	

Communication I	nterface				
Wire communication		RS232C			
Wireless communication		IrDA:Ircomm / VIR / VIR645 / SIR	Bluetooth:Bluetooth2.0 Class2 SPP		
Physical details					
Size (LxWxH)	Size (LxWxH) 113mmx82mmx48mm				
Weight	ight 246g(not including paper roll)				
Other function	,,,				
Preference	Preference Ir mode ,interface ,bluetooth password, printing blackness				
Black mark detect	Black mark detection Enable				
Paper loading	Paper loading Clamshell loading				
Lid open	On	One button open			
Status Display	Display OLED display: communication print paper run out lid open battery low sleep				
Power saving	aut	automatic sleep ,automatic wakeup			
Detect function	nction Paper run out ,battery low ,inconventionality				
WORK ambient					
Work humidity	Work humidity Temperature -10 ℃+50 ℃ Humidity 20%85%				
Charge ambient	Charge ambient Temperature 5℃+40℃ Humidity 20%85%				
Storage ambient	Storage ambient Temperature -20 °C+ 70 °C Humidity 5 % 95 %				

battery details	
type	LI battery
voltage	7.4V
electricity quantity	1300mAh
duration	recycled charge more than 500
battery storage ambient	temperature -5°C~35°C relative humidity less than75%
charger details	
inpu	AC 100-240V 50/60Hz 0.3A
output	DC 12V/1A
size	74.9mm x 48.8mm x 28.0mm
printing paper details	
type	thermal
width	58 ±0.5mm
diameter	≤40mm
thick	$60\!\sim\!110\mu m$
thermal surface directioin	outside

10.2 battery recycle

printer use rechargeable LI battery , pelase recycle after use



11. Hazardous products and element indication

usage time	part name	hazards products and element					
		(Pb)	(Hg)	(Cd)	(Cr(VI))	(PBB)	(PBDE)
$ \angle $	casing	0	0	0	0	0	0
1	electronic assembly components (including electronic component)	×	0	0	0	0	0
	machinery parts(including screws and contacts)	0	0	0	0	0	0
	adapter, data wire ①	×	0	0	0	0	0
⑤	chargeable LI battery	×	0	0	0	0	0
e	no electronic parts (leather bag , paper bag)	0	0	0	0	0	0

indication of hazardous products and element symbol

- O Hazardous products or element within SJ/T11363-2006 standard requirement
- X Hazardous products or element exceed SJ/T11363-2006 standard requirement , it is difficult to achieve based on current technical level , and above products with in 《2002/95/EC》 standard exemption。
- ① Accessories may be sell with main products or separately ,the coverage of hazardous products or element is the same

Environmental protection deadline

The character based on national standard and rules, indicate the environmental protection deadline. Please reference to use guide and local law when use.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.