ZMIN RFID Label Printer

（UHF and HF）





ZMIN Technologies is an professional RFID/barcode label printer R&D and manufacturer. We focus on producing high-speed, all-powerful, compact UHF/HF RFID label printers; providing complete system solutions, high quality hardware and software support services.
ZMIN RFID label printer supports printing labels while RFID reading and writing, printing only or RFID reading and writing only.
Its compact appearance, powerful performance, compactness and durability combine to meet the needs of small space and high-intensity printing applications.

The UHF label printer supports global frequency bands, supports printing, reading and writing of labels of ISO18000-6C protocol.

The HF label printer supports ISO/IEC 15693/14443A/NFC/UltraLight protocol, can write ASCII code, hexadecimal, NDEF format text or URL address, support tag encryption and locking.

It is easy to read the data of the tag (TID, EPC, etc.), and converting it to text or barcode and printing it on the current label at the same time, and can write the specified data to the label.
The printer's functions of reading code, writing code and real-time status feedback are all at the front end of the industry. The machine intelligent learning algorithm is adopted to avoid misreading, miswriting, rereading, rewriting, etc. The bad label automatically prints the mark, it can replace some label initialization machine.
The printer's unique one-button auto-calibration function, combined with the computer-based visual RFID calibration tool, allows quick and easy parameter setting for all types of labels, eliminating the need for cumbersome manual operations.



UHF Label Printer Specifications

Model	X1D	X1iD
Printing method	Direct thermal & Thermal transfer	
Resolution	203 DPI (8dots/mm)	300 DPI(11.8dots/mm)
Maximum print speed	8 IPS(203.2mm/s)	6 IPS(152.4mm/s)
Maximum print width	4.25″(108mm)	4.15″ (105.6mm)
Maximum print length	157.5″（4000mm）	78.7″（2000mm）
Memory	8 MB Flash ROM, 16 MB SDRAM	
Media	Roll-feed, die-cut, continuous, fan-fold, tags, tickets in plain paper or thermal paper Width：4.6″（118mm） max.,0.8″（20mm）min. Supply roll: OD 5″(127mm) max., ID 1″(25.4mm) min. Thickness: 0.06～1.5mm(0.002″～0.06″), including liner, support flexible on-metal tag.	
Ribbon	Wax, Wax/Resin, Resin Ribbon roll: OD 2.75″(70mm) max. with ID 1″(25.4mm) core or ID 0.5″(12.7mm) core Max width: 110mm; Max length: 300M	
Media sensor	Adjustable reflective & Transmissive	
RFID function	Integrated high performance RFID reader/encoder supports tags compatible with UHF EPC Gen 2/ISO 18000-6c.	
Bar Code Types	1D Barcode : Code 39，Code 93，Code 128，Codabar，EAN-8/13/128，Interleave 2 of 5，UCC-128，UPC A/E 2 and 5 add-on, etc. 2D Barcode : Data Matrix, MaxiCode, PDF417,QR, etc.	
Interfaces	RS-232, USB 2.0, LAN	
Power rating	24 VDC, 2.0 A	
Weight	2.62KGS	
Dimensions	W208 x D310 x H195 mm	
Operation environment	Temperature: 32° F ~ +104° F (0° C ~ 40° C) Relative humidity: 5% - 85% non condensing	
Storage environment	Temperature: -40° F ~ +140° F (-40° C ~ 60° C) Relative humidity: 5% - 85% non condensing	
Options	peeler.	

HF Label Printer Specifications

Model	X1C	X1iC
Printing method	Direct thermal & Thermal transfer	
Resolution	203 DPI (8dots/mm)	300 DPI(11.8dots/mm)
Maximum print speed	8 IPS(203.2mm/s)	6 IPS(152.4mm/s)
Maximum print width	4.25″(108mm)	4.15″ (105.6mm)
Maximum print length	157.5″（4000mm）	78.7″（2000mm）
Memory	8 MB Flash ROM, 16 MB SDRAM	
Media	Roll-feed, die-cut, continuous, fan-fold, tags, tickets in plain paper or thermal paper Width：4.6″（118mm） max.,0.8″（20mm）min. Supply roll: OD 5″(127mm) max., ID 1″(25.4mm) min. Thickness: 0.06～0.5mm(0.002″ ～0.02″), including liner	
Ribbon	Wax, Wax/Resin, Resin Ribbon roll: OD 2.75″(70mm) max. with ID 1″(25.4mm) core or ID 0.5″(12.7mm) core Max width: 110mm; Max length: 300M	
Media sensor	Adjustable reflective & Transmissive	
RFID function	Support ISO/IEC 15693/14443A/NFC/UltraLight protocol, can write ASCII code, hexadecimal, NDEF format text or URL address, support tag encryption and locking.	
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Options	peeler.	

RFID Label Printer Main Feature

1. The printer is small and easy to move and place;



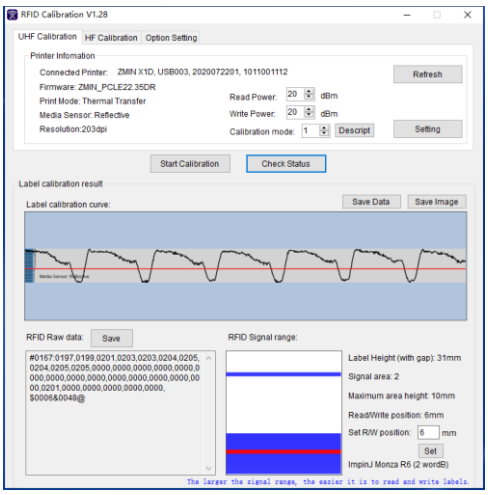


2. It supports flexible anti-metal labels with a thickness of less than 1.5mm and ordinary RFID labels, and also supports the printing of non-RFID labels;

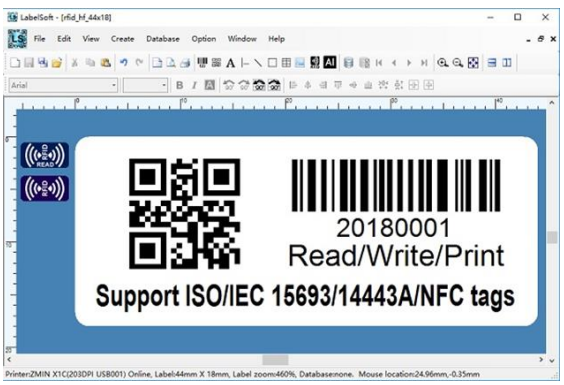


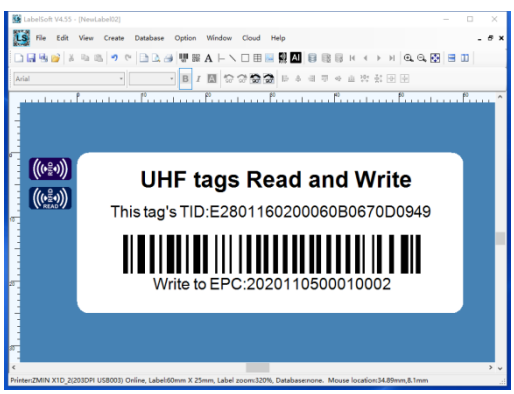


3. Graphical RFID calibration tool, intuitively display the range of label positioning waveform and RFID signal, one-key calibration, very convenient;

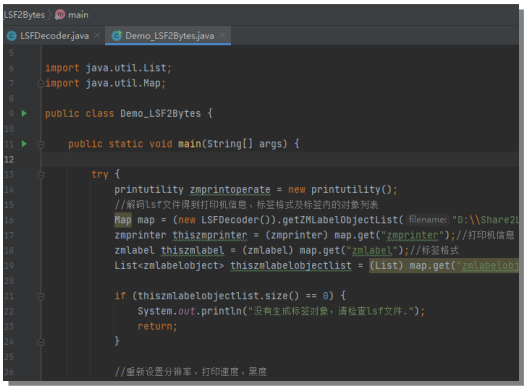


4. Self-developed label editing, reading ,writing, printing software:LabelSoft, haves Windows and Linux version, supports use printers without drivers;





5. A variety of development packages, easy and convenient to use; support VC, C#, Java, HTML5 and other mainstream programming languages;





6. Free external paper holder with the printer, which can support large label rolls.



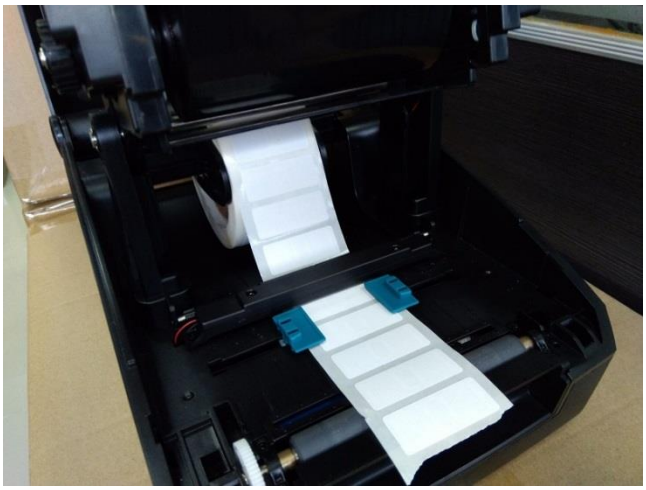


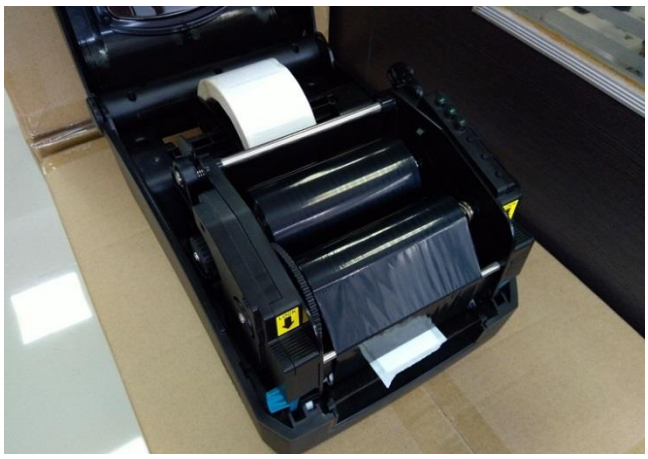
Steps for usage

Step one: Install tags and ribbon







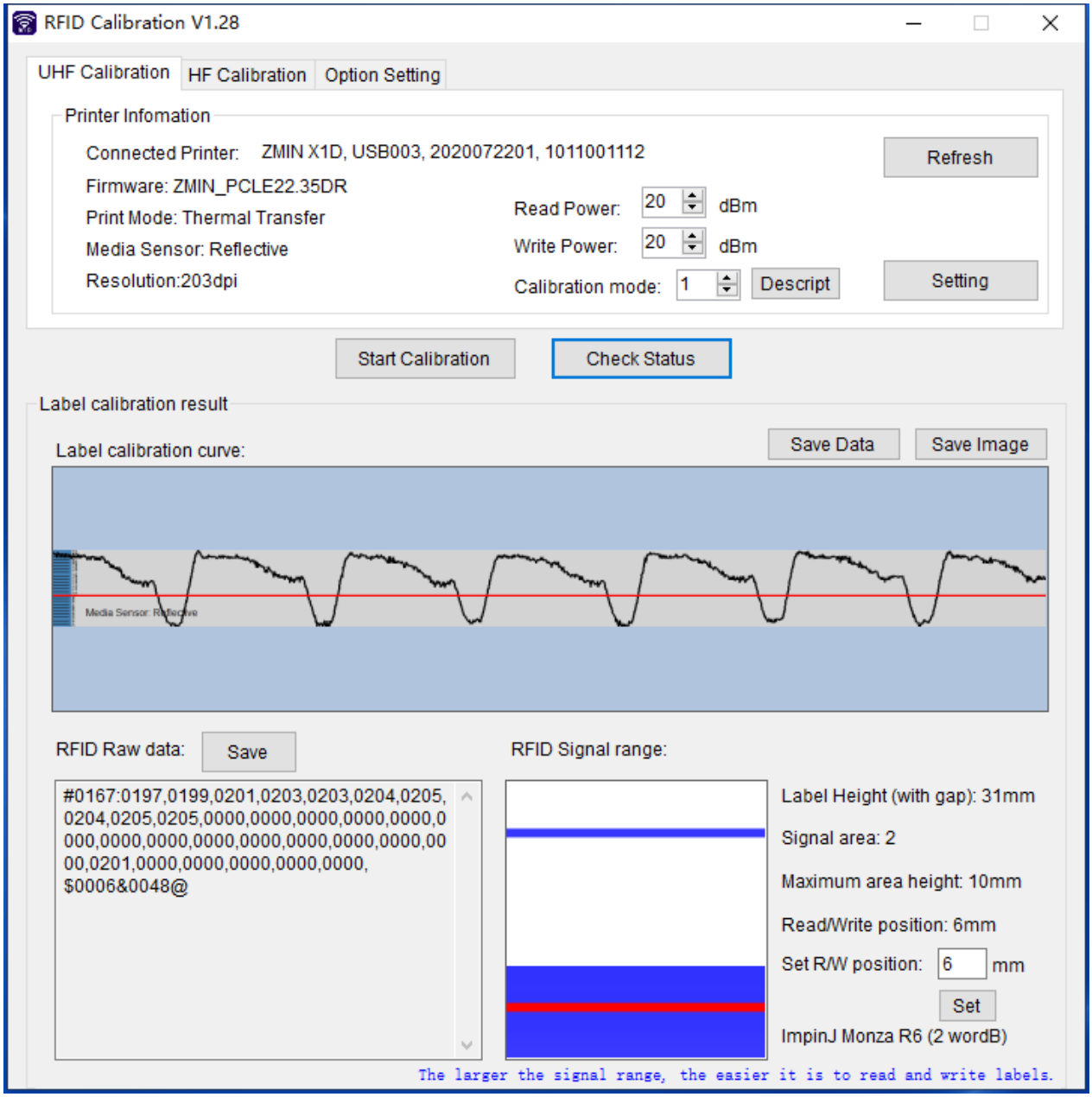






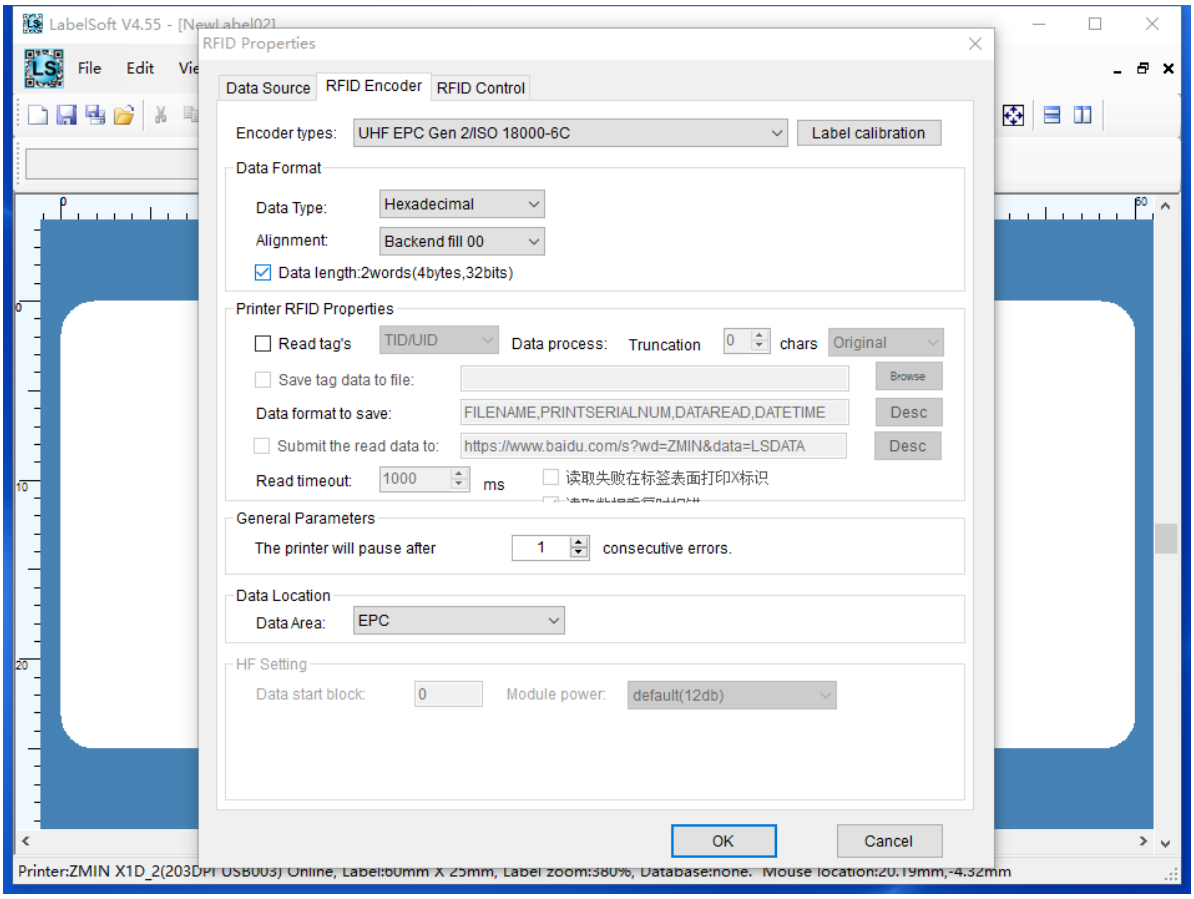
Step two: Calibrate RFID tags

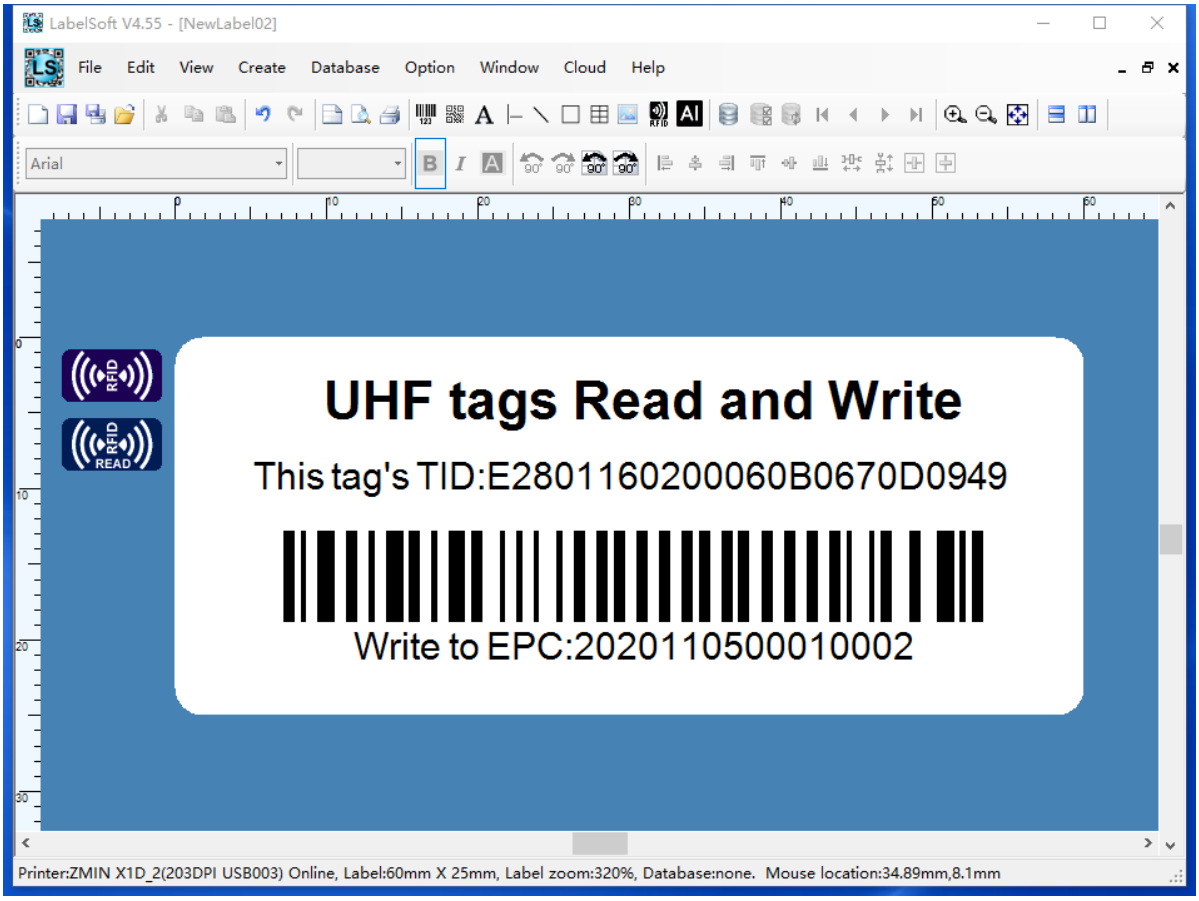
Use RFID Calibration tool to view the RFID signal range, and adjust the RFID reading and writing power and position.



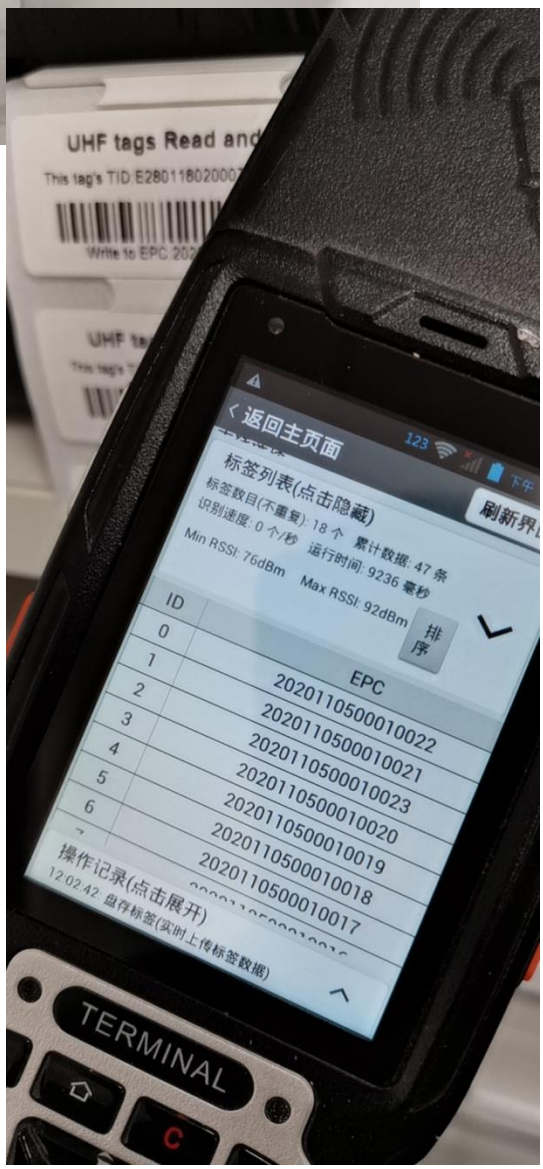
Step three: Print and write tags

Print 60X25mm UHF on-metal tags.









ShenZhen ZMIN Technologies Co.,Ltd.
Barcode/RFID Label Printer Manufacturer

Address： 4th Floor, Building 1, Yali Industrial Park, No.13 Tianbao Road, Yingrenshi Community, Shiyan Street, Bao'an District, Shenzhen, P.R.C
Tel： +86 755 2321 3336
Email: support@zmin.com.cn
Web: www.zmin.com.cn/en/