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5.1 Computer Multimedia Speaker



OPERATION MANUAL



MODEL NO.:F2300X

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Precautions

1. Power supply: you can only use the power source specified in the manual or labeled on the main sound box.

2. Protection of power source wires: attention should be paid to keep the power source wire from being trampled, hauled and extruded. When you disconnect the power supply from the speakers, pay special attention to make sure that you unplug it by nipping the plug rather than only by hauling the wire. Keep power source wire far from heaters.

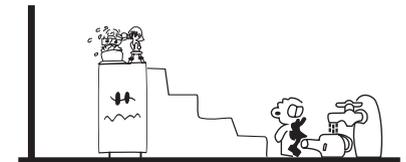


3. Connection polarity: connection of the sound boxes must follow appropriately the indication on the function board. The blue/red/gray wires + and the black wires - must be inserted correctly in order to give full play to the function of the speaker, or its operation and results will be affected.

4. Ventilation: this speaker is well adapted to different environments, yet attention should be paid to ventilation when it works for a long time. Since the heat dispersion is contained in its rear part, keep a distance between the speaker and walls or furniture in order to make sure there is enough place for radiation. Otherwise, this would do harm to the speaker.

5. Water and moisture: keep the speaker far from rain, water,

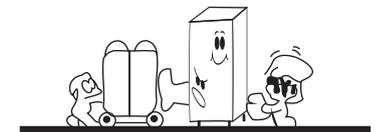
splashing or damp environments, such as bathtubs, kitchens, water tanks, laundering basins, damp basements and swimming pools,



6. Opening and dismantling the components: do not open and repair it on your own when the speaker fails to work due to malfunctions or inappropriate use. Please turn off the power and do not put it into use so as to avoid man-made accidents until technicians check and repair



7. Cleaning appearance: do not clean the surface with volatile liquor to prevent the appearance from damage.



8. Turn off the power: if it is not used for a long time, please disconnect the power wire or cut off the power so as to ensure safety of the speaker and home.

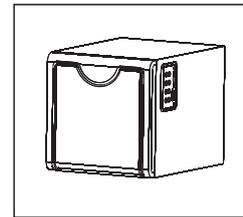
Features

- Heart-thumping Bass: Wooden cabinet subwoofer with 5.25' driver gives powerful bass
- Plays it All: USB/SD/FM/BT/AUX you can play your entire collection with ease
- Uninterrupted Digital FM experience: Works on advanced PLL technology
- Ease of Use: Simply select your desired song or station by press of numeric keys on your remote control

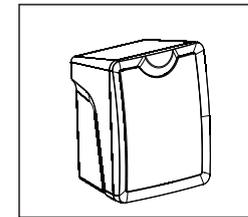
System installation instruction

- Switch OFF through main switch after usage and avoid putting system in ST.BY model to save electricity
- In order to check whether your system connections is right, please carry out examination for speaker position of Front, Center, and Rear by using 5.1 DVD testing disk
- Front Left and Front Right speakers will perform as Left and Right stereo speakers in normal stereo mode and will act like FL/FR in 5.1 surround mode
- For best sound performance, the speakers must be checked and connected appropriately as per connection diagram only

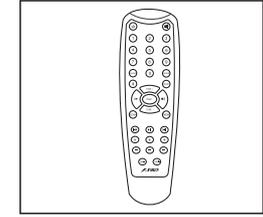
System components



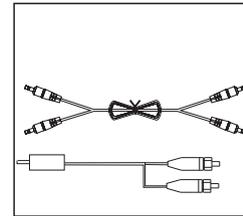
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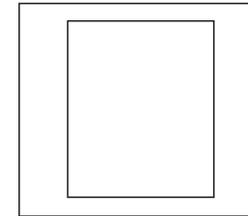
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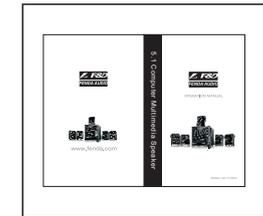
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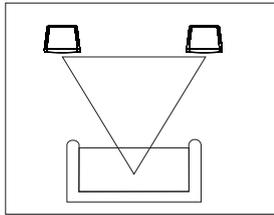
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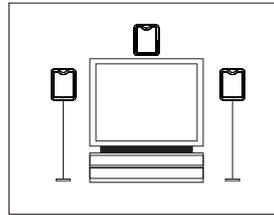
6

- 1. Sub-woofer 1pc
- 2. F.L/F.R/CE/R.L/R.R satellites.....5pcs
- 3. Full function remote.....1pc
- 4. Signal input cable(1.5M) 4pcs
 - A. 3.5mm to RCA cable X1 (optional)
 - B. RCA to RCA cable X3
- 5. Manual & warranty card 1pc

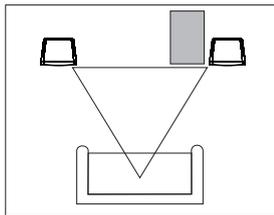
Recommended system installation



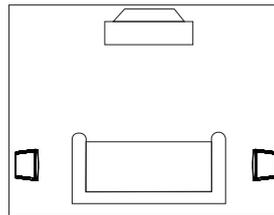
Placement of the front speakers



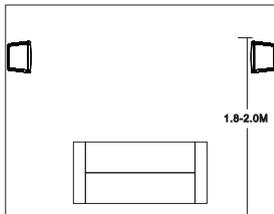
Placement of the center speakers



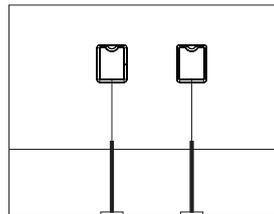
Placement of the mainframe (super bass speaker)



Placement of surround speakers

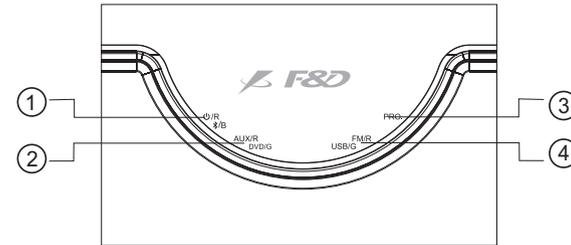


Optimized height for the placement of the surround speakers

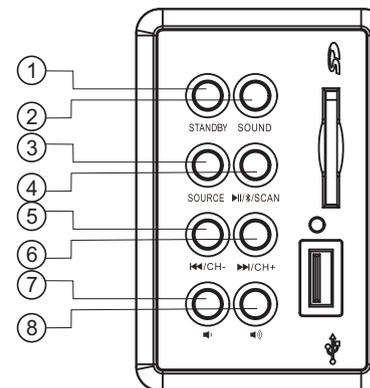


Surround speakers on the box shelves

Panel instruction

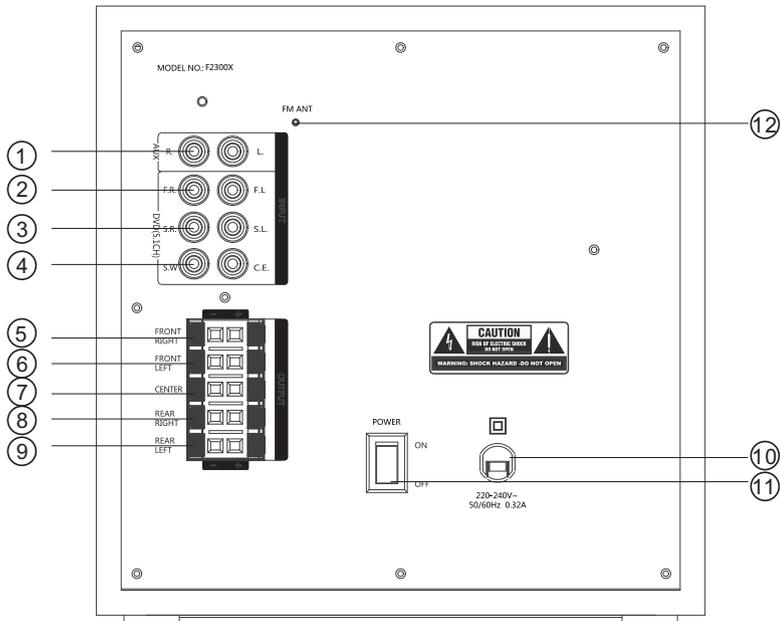


- 1. Red indicator: Turn on/off unit
Blue indicator: Bluetooth mode
- 2. Red indicator: AUX IN mode
Green indicator: DVD audio input mode
- 3. Green indicator: Prologic mode
- 4. Red indicator: FM mode
Green indicator: USB/SD mode



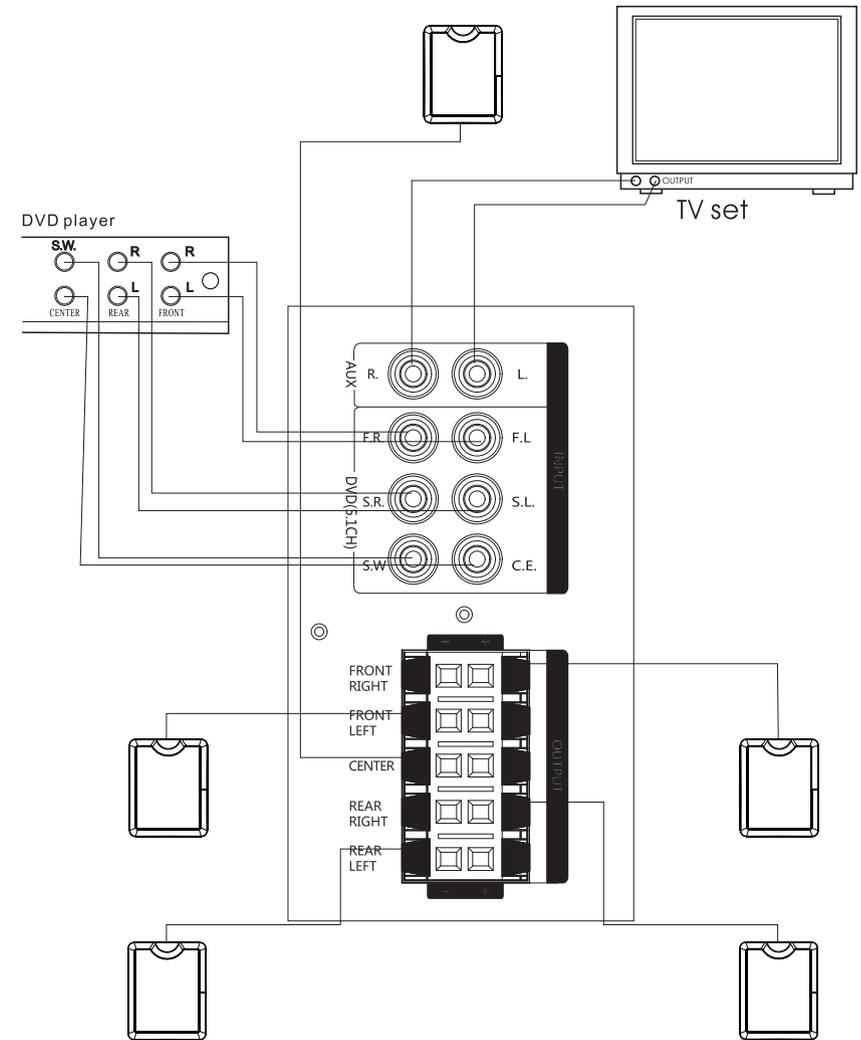
- 1. Standby button
- 2. Sound button
- 3. Source button
- 4. Play/pause/Bluetooth pairing/Scan button
- 5. Previous/Channel - button
- 6. Next/Channel + button
- 7. Volume decrease button
- 8. Volume increase button

Instruction of rear board

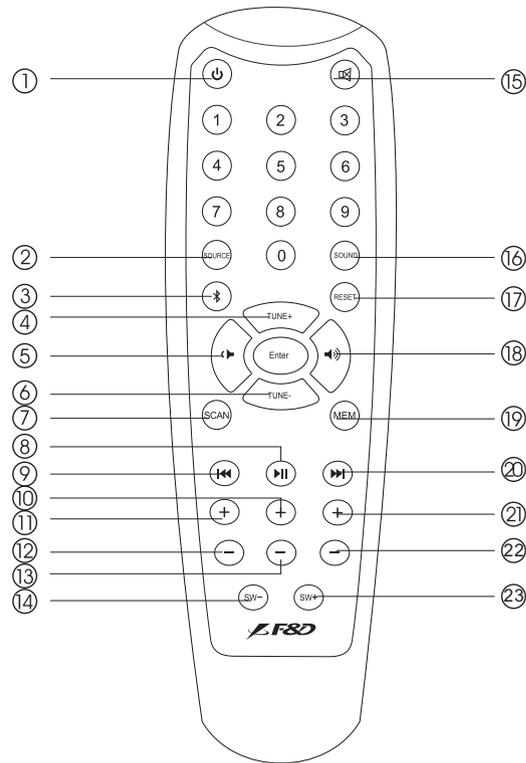


- | | |
|-------------------------------|------------------------------|
| 1. AUX L/R input | 7. Speaker cenetr output |
| 2. DVD F.R/F.L input | 8. Speaker rear right output |
| 3. DVD S.R/S.L input | 9. speaker rear left output |
| 4. DVD SW/Center input | 10. power cable |
| 5. Speaker front right output | 11. power switch |
| 6. Speaker front left output | 12. FM antenna |

System connection



Instruction of remote control



- | | |
|-----------------------------------|---------------------------------------|
| 1. Standby ON/OFF | 13. Center volume decrease button |
| 2. Source button | 14. Bass decrease button |
| 3. Bluetooth pairing button | 15. Press to mute or unmute the sound |
| 4. Tune + button | 16. Sound button |
| 5. Volume decrease | 17. Reset button |
| 6. Tune – button | 18. Volume increase button |
| 7. FM auto scan button | 19. FM station Memory button |
| 8. Play/Pause button | 20. Next button |
| 9. Previous button | 21. Rear volume increase button |
| 10. Center volume increase button | 22. Rear volume decrease button |
| 11. Front volume increase button | 23. Bass increase button |
| 12. Front volume decrease button | |

Front Panel key controls

- A. : Turn on/off unit
- B. Sound: Switch between Normal & Prologic sound effects
- C. : Decrease or Increase the volume level
- D. **Source:**
Switch between BT, DVD, AUX, USB/SD and FM mode. LED on subwoofer panel will be bright to indicate related source mode.
- E. **Play/Pause:**
 - a. USB/SD Mode: Short press for play/pause the music playback.
 - b. FM Mode: Short press to start Auto Search & this will store the found frequencies (channels) automatically.
 - c. Bluetooth mode: short press to play/pause music. long press will enter in to pairing mode, blue LED will flash fast
- F. **Previous:**
 - a. USB/SD mode: Short press to select previous song and long press to select previous folder.
 - b. FM mode: Short press to select previous stored station, FM LED flash once. When it reaches to 1st stored station/channel, short press of this key does not change the channel & LED remains bright.
 - c. Bluetooth mode: short press to select previous song.
- G. **Next :**
 - a. USB/SD mode: Short press to select next song and long press to select next folder.
 - b. FM mode: Short press to select next stored station, FM LED flash once. When it reaches to last stored station/channel, short press of this key does not change the channel & LED remains bright.
 - c. Bluetooth mode: short press to select next song

Remote control keys function

- A. : Turn on/off unit
- B. Source: Switch between BT, DVD, AUX, USB/SD and FM mode.
- C. : Press it to mute or unmute the sound
- D. Sound: switch between Normal & Prologic sound effects.
- E. SW+/-: Increase or decrease the volume of subwoofer.
- F. Front+/-: Increase or decrease the volume of front speakers.
- G. Rear+/-: Increase or decrease volume of rear speakers.

- H. Center+/-: Increase or decrease volume of center speaker.
- I.   : Increase or decrease master volume
- J.  : Play/Pause:
- a. USB/SD Mode: Short press for play/pause the music playback.
 - b. Bluetooth mode: short press to play/pause music.
- K.  : Previous
- a. USB/SD mode: Short press to select previous song and long press to select previous folder.
 - b. FM mode: Short press to select previous stored station, FM LED flash once. When it reaches to 1st stored station/channel, short press of this key does not change the channel & LED remains bright.
 - c. Bluetooth mode: short press to select previous song.
- L.  : Next
- a. USB/SD mode: Short press to select next song and long press to select next folder.
 - b. FM mode: Short press to select next stored station, FM LED flash once. When it reaches to last stored station/channel, short press of this key does not change the channel & LED remains bright.
 - c. Bluetooth mode: short press to select next song
- M. Scan: FM mode: Short press to start Auto Search & this will store the found frequencies (channels) automatically.
- N. Tune+/-: FM mode:
- Fine Tuning: Short press to increase or decrease one step (100Khz), FM LED flash once. LED stop flashing once it reaches to Minimum or Maximum frequency.
 - Manual Tuning: Long press of this key works for Manual tuning, It finds the next available frequency.
- O. MEM: Short press of this key work to store tuned station through Fine or Manual tuning. FM LED flash once to indicate store/save operation.(max. 100 stations)
- P. Reset: short press to go to default settings
- Q. 0~9 number keys:
- 1. USB/SD source: directly press numeric keys through remote to select your favorite song if you know the song number in the folder. One folder limits to 999 songs and press “9 9 9” within short time to select 999th song. The system will automatically play the last song of the folder if you press number excess of song numbers of that folder.
 - 2. FM Mode: directly press numeric keys through remote to select your favorite station if you know the station number (1~30).

- Or press 3 or 4 digits of frequency to play that station, for example, 1026 for 102.6 MHz station. If station not found, the unit will state at current station only.
- R.  : Short press to Bluetooth mode and long press entering pairing mode, blue LED will flash fast
- S. Enter: Confirm setting.

Bluetooth pairing

Switch to Bluetooth mode, F2300X will automatically search the Bluetooth device. If the device paired before, F2300X will connect automatically.

If can't find paired device, F2300X will enter pairing mode automatically, bluetooth LED under pairing button flashes quickly.

1. Active "Bluetooth" function on your device and search for "F2300X". Enter "0000" if your device asks for the PIN code..
2. After pairing successfully, bluetooth LED bright, and ready for playing music.

Recommend to adjust suitable volume before playing music.

Pairing a bluetooth device supporting NFC

If your Bluetooth device supports Near Field Communication (NFC), make sure that NFC feature is activated. Touch the NFC area of your Bluetooth device to top of F2300X in order to automatically pairing.

Note: If your phone has NFC support but it is running an OS below Android 4.1, you will need to download an NFC Bluetooth APP from Google play or a similar online store.

Notice: After switch to Bluetooth source, the unit will automatically search the Bluetooth device and connect it.

If the device paired before. If can't find paired device, it will enter pairing mode automatically and the bluetooth LED will flash quickly. Bluetooth device should active "Bluetooth" function during pairing and search for "F2300X".

Tips: To make sure your PC or notebook is working well with our Bluetooth speakers, it is recommended that you check with your PC or notebook vendor first. Make sure the correct Bluetooth driver software is installed.

Prologic function

A. Using SOUND key you can convert 2.0 channel into 5.1CH/ PROLOGIC effect through AUX Input.

B. To get real Home Theatre effect connect 5.1CH outputs through DVD to the inputs of Home Theatre.& select SOUND key to PROLOGIC option.

Technical Specification

Rated output power	
One. Bi-track signal input (under the status of hi-fi)	
Output of Front sound track (R) and (L)	8W+8W
Two. Single signal input (under the status of 5.1CH)	
1. Output of front sound track (L)	8W
2. Output of front sound track (R)	8W
3. Output of central sound track	8W
4. Output of surround sound track (L)	8W
5. Output of surround sound track (R)	8W
6. Output of super bass sound track	25W
Corresponding Frequency (5.1CH under normal working status)	
1. Front sound track (L) and (R)	120Hz-20KHz
2. Central sound track	120Hz-20KHz
3. Surround sound track (L) and (R)	120Hz-20KHz
4. Bass	40Hz-125Hz
Harmonic distortion (under normal working conditions)	≤0.7%
Signal/noise ration (A weighted under normal working mode)	≥70dB
Resolution (under normal working condition 1KHZ5.1CH)	≥40dB
Power	
1. Voltage	120V
2. Frequency	60Hz 0.6A
Exterior dimensions	
Subwoofer: W227XD286XH223mm	
Front : W104XD75X130mm	
Center : W104XD75X130mm	
Rear : W104XD75X130mm	

Common malfunctions and troubleshooting

Status	Possible reason	Ways for repair
Power-on indicator light off	The power plug is inserted inappropriately	Insert the power plug appropriately
	The power switch isn't turned on or the standby button is not yet to be pressed	Turn on the power switch Press the button of standby
Mute	The volume is in minimum status	Adjust the volume
	Failure to connect the input signals	Connect the signal line
	An error in input channel choice	Choose channels again
	The standby button is off	Turn on the standby button
The front and surround speakers are mute	Signal line on one side fails to be connected	Connect the signal line
	Sound box line on one side fails to be connected	Connect the sound box line
Center speaker is mute	Its volume is in minimum status	Adjust the volume of the center speaker
	Center sound box lines fail to be connected	Connect the center sound box line
Front speaker is mute	Its volume is in minimum status	Adjust the volume of the front speaker
	Front sound box lines fail to be connected	Connect the front sound box lines
Surround speaker is mute	Its volume is in minimum status	Adjust surround speaker volume
	Surround sound box lines fail to be connected	Connect the surround sound box lines

WARRANTY CARD

END-USER'S COPY

WARRANTY REGISTRATION CERTIFICATE

Mr./Mrs/Ms First Name: _____

Last Name: _____

Address: _____

Contact No.: _____

Product Name: _____

Model No.: _____

Serial No.: _____

Date Purchased: _____

Invoice No.: _____

Retail Outlet Where Purchased: _____

(Please print the name & address)

SECTION 1

WARRANTY TERMS & CONDITIONS

The warranty will be effective only if the warranty card is completed and returned to the company within 14 days from the date of purchase. We guarantee the provision of free services of  product within the warranty period, from its date of purchase from our Authorised Dealer. The period and conditions of our warranty service are as follow:

1. The warranty covers services by our  Authorised Dealer. This warranty card together with the receipt must be presented when servicing is required. This warranty card is irreplaceable in the event of loss.
2. Repair services will be provided for defects arising from normal usage for the following period, commencing from the date of purchase from our  Authorised Dealer. (Parts would be replaced when necessary)
 - A. Parts:..... 1 year
 - B. Technical service free..... 1 year
3. Under the following circumstances, service and parts will be chargeable even within the warranty period:
 - A. Failure to present the warranty card and receipt when servicing is required.

Full particulars not clearly shown or alterations made against the actual information.
For e.g.: Alteration of the date of purchase, serial numbers-altered or removed.
 - B. This unit being tampered with, altered in any way by any unauthorised technicians or which has been subjected to misuse, negligence or accident. This guarantee does not cover damage occurring in transit by or from the customer.
 - C. The defect is caused by the attack of household pests, fire, lighting, natural disasters, pollution, abnormal voltage or the usage of generator.

Shenzhen Fenda Technology Co., Ltd.
Add : Fenda Hi-Tech Park, Zhoushi Road, Shiyuan, Baoan, Shenzhen, China
P.C. : 518108 [Http://www.fenda.com](http://www.fenda.com)

F&D WARRANTY CARD

WARRANTY TERMS & CONDITIONS

DISTRIBUTOR'S COPY WARRANTY REGISTRATION CERTIFICATE

Mr./Mrs/Ms First Name: _____

Last Name: _____

Address: _____

Contact No.: _____

Product Name: _____

Model No.: _____

Serial No.: _____

Date Purchased: _____

Invoice No.: _____

Retail Outlet Where Purchased: _____

(Please print the name & address)

SECTION 2

The warranty will be effective only if the warranty card is completed and returned to the company within 14 days from the date of purchase. We guarantee the provision of free services of  product within the warranty period, from its date of purchase from our Authorised Dealer. The period and conditions of our warranty service are as follow:

1. The warranty covers services by our  Authorised Dealer. This warranty card together with the receipt must be presented when servicing is required. This warranty card is irreplaceable in the event of loss.
2. Repair services will be provided for defects arising from normal usage for the following period, commencing from the date of purchase from our  Authorised Dealer. (Parts would be replaced when necessary)
 - A. Parts:..... 1 year
 - B. Technical service free..... 1 year
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 - C. The defect is caused by the attack of household pests, fire, lighting, natural disasters, pollution, abnormal voltage or the usage of generator.

Shenzhen Fenda Technology Co., Ltd.
Add : Fenda Hi-Tech Park, Zhoushi Road, Shiyuan, Baoan, Shenzhen, China
P.C. : 518108 [Http://www.fenda.com](http://www.fenda.com)

展开尺寸	284X214MM
成型尺寸	142X214MM
材质要求	80G书写纸
印刷要求	单黑印刷
工艺要求	无
页码数(页)	8页

 F&D奋达科技		时 间	20150727	订 单 号	Fe15206
品 牌	 F&D	公司型号	F2300U	客户型号	F2300X
版 本	A0	设计内容	说明书	料 号	17.7.030.0745
电 子		电 声		结 构	
设计者	杨改改	标准化		核 准	
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