

7" Analog VTH User's Manual

V.1.2.0

Important Safeguards and Warnings

Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses.

Note:

- Do not expose the device to lampblack, steam or dust. Otherwise it may cause fire or electric shock.
- Do not install the device at position exposed to sunlight or in high temperature. Temperature rise in device may cause fire.
- Do not expose the device to humid environment. Otherwise it may cause fire.
- The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake. Otherwise, it may cause device to fall off or turnover.
- Do not place the device on carpet or quilt.
- Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.
- Do not place any object on the device.
- Do not disassemble the device without professional instruction.

Warning:

- Please use battery properly to avoid fire, explosion and other dangers.
- Please replace used battery with battery of the same type.
- Do not use power line other than the one specified. Please use it properly. Otherwise, it may cause fire or electric shock.

Special Announcement

- This manual is for reference only.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.

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Chapter 1 General Introduction

1.1 Product Appearance

The product is classified into the following models. Please see Figure 1-1, Figure 1-2, Figure 1-3, Figure 1-4 and Figure 1-5.

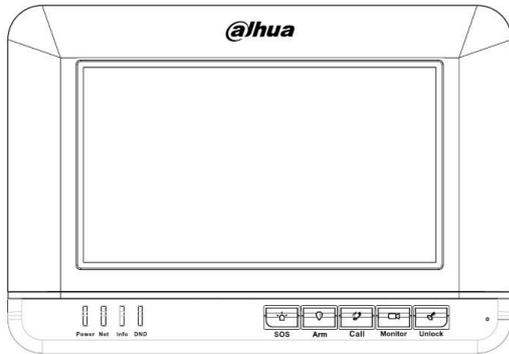


Figure 1- 1 VTH150xA

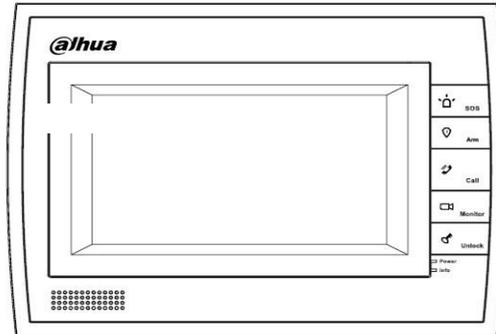


Figure 1- 2 VTH150xAH

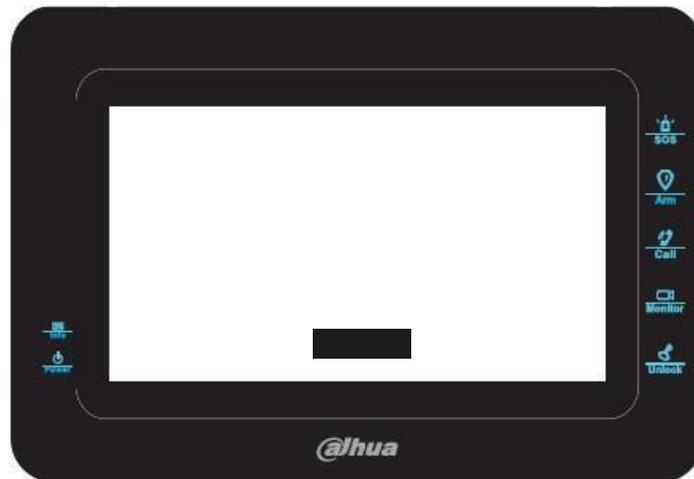


Figure 1- 3 VTH150xB

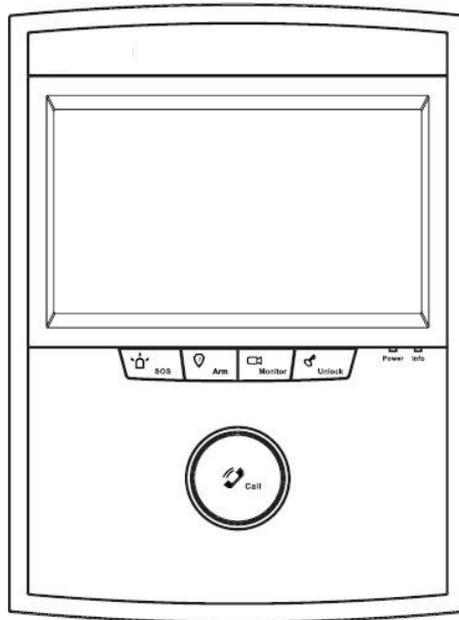


Figure 1- 4 VTH150xAS

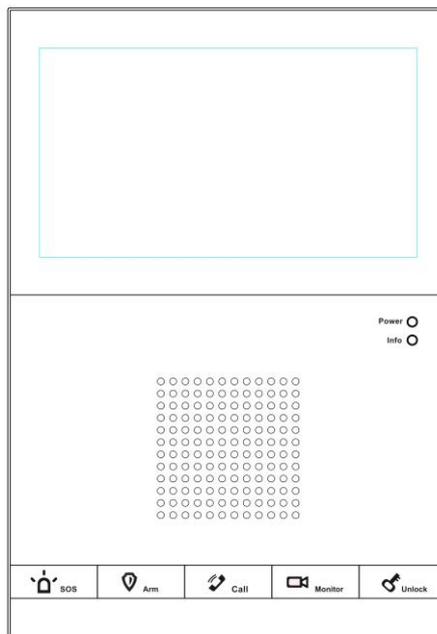


Figure 1- 5 VTH150xCS

1.2 Buttons



Figure 1- 6

The buttons are illustrated in Figure 1- 6. Their descriptions are shown in Chart 1- 1.

For different 7" analog VTHs, their button locations may vary, but the function of buttons with same label is identical.

No.	Name	Description
1	SOS	Under any interface, press this button can call management center. If you are in menu, press SOS to return to previous menu.
2	Menu or Arm	Press the button to enter menu and continue pressing this button to go to next menu. Under standby, you can long press for 2s for menu or 5s to disarm
3	Call	Press the button when being called, you can answer call; press the button during a call, you can hang it up. Under standby status, long press call button for 5s, you can turn on or turn off DND (if it is already on).
4	Monitor	Monitor door station video. Under standby status, you may press this button to view announcement if available, and you may press this button to view alarm info if available.
5	Unlock	Press this button during incoming call, calling, and monitoring, you can unlock corresponding door station.

Chart 1- 1

1.3 Indicator

The indicators are illustrated in Figure 1- 7 and Figure 1-8.

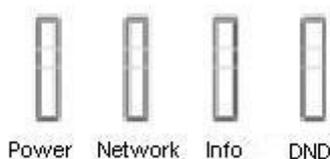


Figure 1- 7 VTH150xA

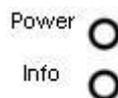


Figure 1- 8 VTH150xCS

Some 7 " analog VTH only have power and info indicators, and their shapes vary among different models. Please see Chart 1- 2.

No.	Name	Description
6	Power	Power works as usual, light on;
7	Info	When there is no announcement or alarm info, light turns on if arm; light turns off if disarm; When there is announcement but no alarm info, light flashes slowly. When there is alarm info, light flashes intensely.
8	Network	When communication with door station is normal, light turns on; if there is abnormality, light turns off. Only VTH1500A has network indicator.
9	DND(Do not	When DND is on, light remains on; when DND is off, light

disturb)	remains off. Only VTH1500A has DND indicator.
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Chart 1- 2

1.4 Port

For different 7" analog VTHs, their port locations may vary, but the function of ports with same label is identical. Please subject to actual product.

The device interface is shown as follows, please see Figure 1- 9 and Figure 1- 10.

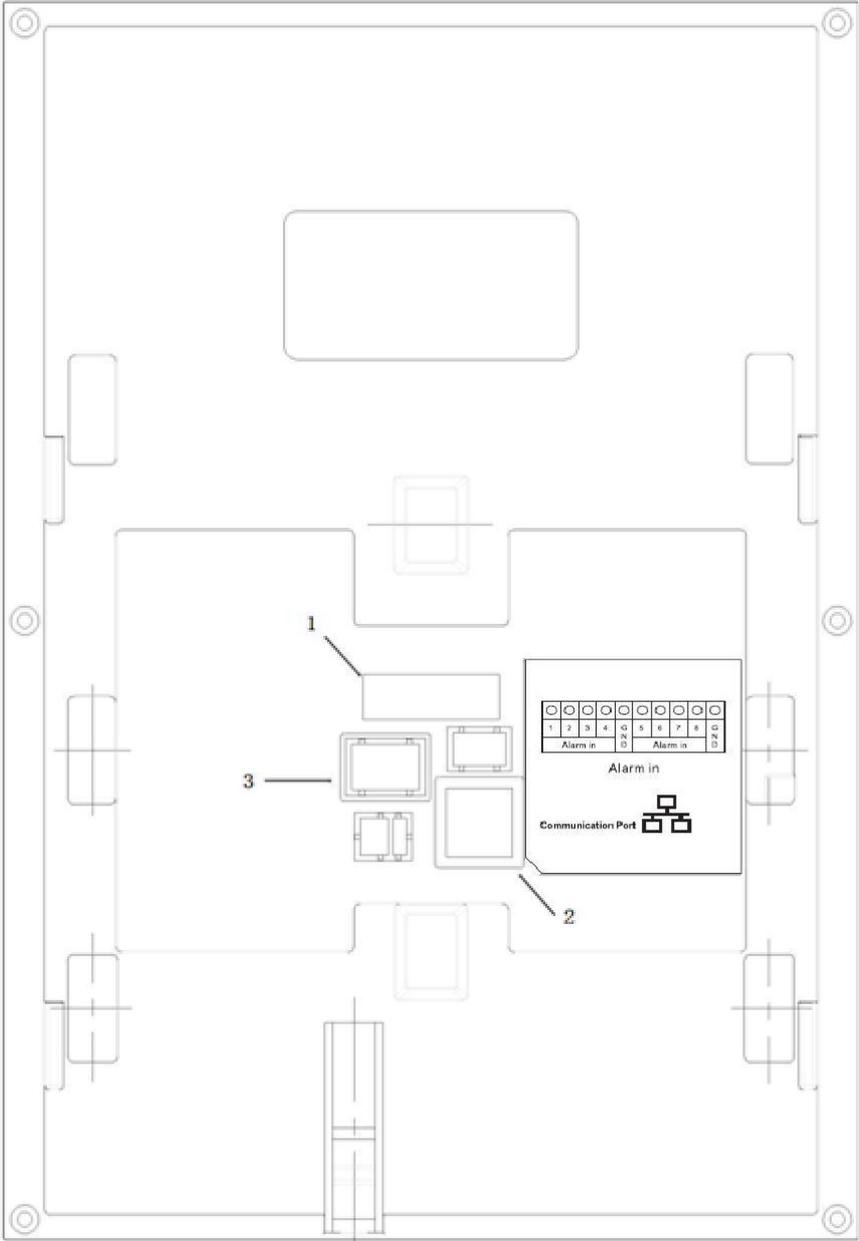


Figure 1- 9

Please see Chart 1- 3.

No.	Name	Description
1	Alarm Interface	8-ch alarm, 2-ch GND.
2	Communication Port	Power, control signal and A/V differential signal included.
3	Earphone Interface	Only models with earphone have this interface.

Chart 1- 3

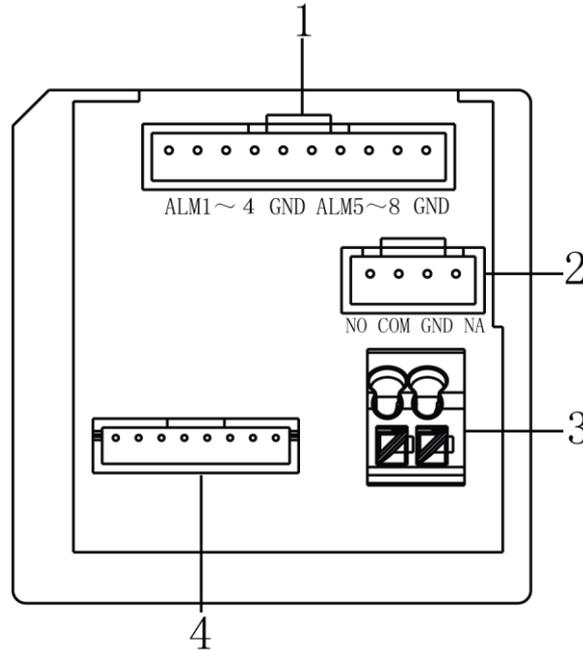


Figure 1- 10

No.	Name	Description	Note
1	Alarm input port	6-ch alarm input	N/A
2	Alarm output port	1-ch alarm output	N/A
3	COM	Power, control signal and A/V differential signal included. Converter is provided by default.	This VTH supports two methods of power supply, which may via COM port or power port. Select either one. If supply via power port, and dial switch 1 and 2 are at ON, VTH can supply power to VTO.
4	Power port	Power to VTH.	
5	Dial switch	Control if supply power to villa VTO.	

Chart 1- 4

Chapter 2 Installation

Here makes VTH1500AH as an example.

Step 1. Fix installation bracket on wall with four screws (ST3 x 18).

Step 2. Fix device onto bracket, with bucket. See Figure 2- 1.

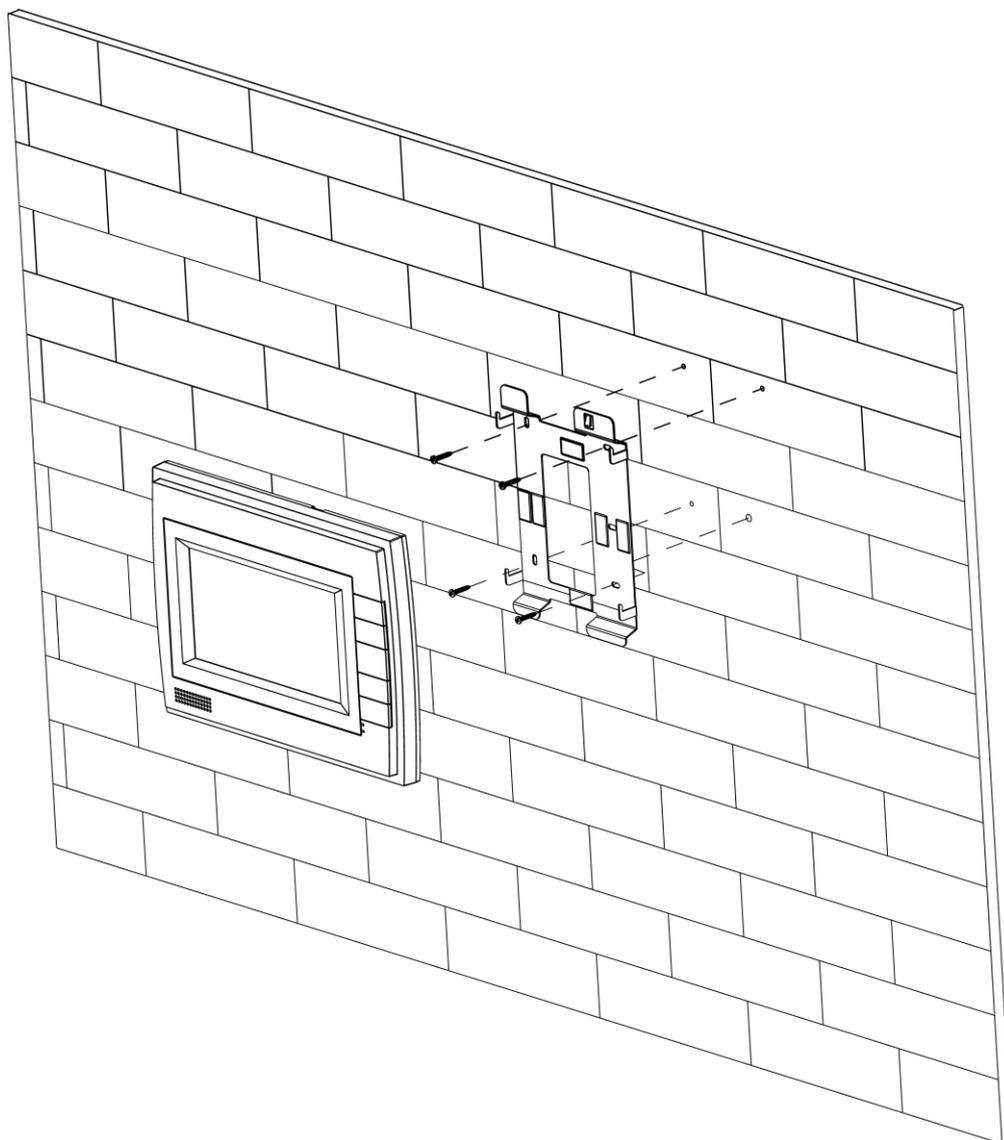


Figure 2- 1

Note:

- Device center to ground shall be 1400mm to 1600mm.
- Try to avoid exposing VTH to bad environment, such as condensation, high temperature, greasy dirt, dust, corrosion, direct sunlight and etc.
- If there is abnormality after you plug in network cable, you should unplug it immediately and unplug the device from power supply. You may plug in the device to power supply after troubleshoot.
- Device installation and test must be done by professional staff. If there is any malfunction

or failure, please do not try to dismount or fix it by yourself, and please contact after-sales department for assistance.

Chapter 3 Basic Function Introduction

3.1 Main Menu

Under standby interface, press menu button to enter main menu.

Item	Function	Operation
MIC	Adjust local MIC volume	<ol style="list-style-type: none"> 1. In main menu, press menu button, select MIC. 2. Press monitor or unlock button, decrease or increase MIC volume.
Call	Adjust local call volume	<ol style="list-style-type: none"> 1. In main menu, press menu button, select call. 2. Press monitor or unlock button, decrease or increase call volume.
Ring	Adjust incoming call ring volume, or return call ring of management center.	<ol style="list-style-type: none"> 1. In main menu, press menu button, select ring. 2. Press monitor or unlock button, decrease or increase ring volume.
Brightness	Adjust local screen brightness	<ol style="list-style-type: none"> 1. In main menu, press menu button, select brightness. 2. Press monitor or unlock button, decrease or increase brightness.
Contrast	Adjust local screen contrast	<ol style="list-style-type: none"> 1. In main menu, press menu button, select contrast. 2. Press monitor or unlock button, decrease or increase contrast.
Setting	Set arm strategy.	<ol style="list-style-type: none"> 1. Please see Ch 3.8.1.1.
Issue Card	Issue Card	<ol style="list-style-type: none"> 1. In main menu, press menu button, select issue card option. 2. Select issue card. 3. Place empty card in the card swiping area on VTO. When card is successfully issued, it will generate DU sound. <p>Note: Please swipe card within 10 minutes after menu operation, otherwise the session will expire. Do not issue more than 30 cards at the same time.</p>
	Delete All	<ol style="list-style-type: none"> 1. In main menu, press menu button, select issue card option. 2. Select delete all, to cancel all

		A&C authorizations.
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3.2 Bidirectional Talk with Management Center

Under any interface, by pressing SOS button, you may immediately switch to call management center, and if the call goes through, you will hear corresponding audio response of long and slow beeps from VTH; if the call does not go through; you will also hear corresponding audio response as short and fast beeps from VTH. You may press SOS button again to end the call, and VTH will return to standby interface.

When supervisor station calls VTH, VTH will ring, and you may answer by pressing call button. You may end call by pressing call button again, and VTH will return to standby interface. See Ch 3.1.

3.3 Visual Bidirectional Talk with Door Station

When door station calls VTH, VTH will ring, meanwhile door station video will be displayed on screen. You may press call button to answer and then you may perform a bidirectional talk with the door station, while the screen continues displaying video from door station. You may end call and video by pressing call button again, and the VTH will return to standby interface.

You can set MIC, call, ring, brightness and contrast when talking to VTO. See Ch 3.1.

When there is incoming call on VTH (before answering call), you can press menu button to set ring. See Ch 3.1.

Note:

When matching with VTO, under monitoring status, press Call button to talk to VTO.

3.4 Monitoring Function

Under standby interface, by pressing monitor button, you may view video from door station on the screen. You may turn off monitoring by pressing monitor button again, and VTH will return to standby interface.

You can set MIC, call, ring, brightness and contrast under monitoring interface by pressing menu button. See Ch 3.1.

Note:

When matching with VTO, under monitoring status, press Call button to talk to VTO.

3.5 Unlocking Function

When call from door station, call door station or VTH monitors door station, you may remotely unlock door station by pressing unlock button.

3.6 DND Function

Under standby status, you may turn on DND function by long pressing call button for 5s; meantime the screen turns on, there will be corresponding message at left middle position. Under DND, when door station calls, you may use the video function without incoming ring. You can connect and start to talk by pressing call button.

Note: For program of some versions, under DND status, message will directly

inform you that VTH is busy.

The default DND is 8 hours, and after 8 hours, it will be automatically canceled. To manually turn off DND: under standby status, long press call button for 5s to turn it off.

3.7 Viewing Announcement

When there is no alarm, VTH receives message sent from platform, and the indicator flashes slowly. By pressing monitor button, you can view announcement which is added in the video on door station in rolling display. You can exit announcement viewing by pressing monitor button again.

Note: When there is alarm, you must confirm the alarm before viewing announcement.

3.8 Alarm Function

3.8.1 Arming/Disarming Function

3.8.1.1 Arming/Disarming Strategy

Step 1. Under standby status, you may enter main menu by pressing menu.

Step 2. Repeat pressing menu button, select to set menu item. Press call button to enter setup interface.

Step 3. In setup interface, press menu button, to select alarm zone to set. You can press monitor or unlock button to switch arming type. Press call button again to select alarm zone (check as selected).

Step 4. Press menu button, select alarm delay. By pressing monitor or unlock button to select alarm delay length. Max alarm delay is 120s.

3.8.1.2 Arming/Disarming

Default setup is arming status.

Under arming status and standby interface, long press menu button for 5s, device enters disarming status. Screen turns on. It shows disarming prompt at the left and turns off light (no announcement or alarm info).

Under disarming status and standby interface, long press menu button for 2s, device enters arming status. Screen turns on. It shows arming prompt at the left and light is NO (no announcement or alarm info).

3.8.2 Alarm Message and Reporting Function

VTH has 8 channels for alarm, with first channel fixed for manual alarm, second channel fixed for gas alarm, third channel fixed for smoke alarm. When VTH is under arming, excluding first channel, for alarm triggered in any other channel, its corresponding alarm message will be displayed on screen, meanwhile VTH's indicator will flash and ring (first channel excluded).

You may confirm alarm message by pressing monitor button, and then indicator resumes, ring stops and alarm message is cleared. All alarm information will be reported to management center after local display.

3.8.3 Alarm Output

When alarm occurs, alarm output port will generate level fluctuation for one minute.

Chapter 4 FAQ

- Q: The screen on VTH is black, and the indicator remains off, what should I do?
A: Check the connection of network cable.
- Q: I cannot call or monitor via the VTH, what should I do?
A: Check the connection of network cable, and confirm if the corresponding door station is working as normal.
- Q: When there is incoming call from door station, but the ring is not working, what should I do?
A: Confirm if you have turn on DND function.
- Q: I have other problems, what should I do?
A: Please contact technical staff for further assistance.

Appendix 1 Technical Specifications

Video	
Video	CVBS composite video
Audio	
Bidirectional Talk	1-ch audio input from analog signal of microphone 1-ch audio output which drives loudspeaker via amplifier
Display	
Screen Dimension	Color 7" TFT LCD
Resolution	800*480
Alarm	
Input	Some: 6-ch alarm input, 1-ch alarm output.
Output	Some: 8-ch alarm
Specifications	
Power	DC 24V
Consumption	Standby 1W, max 5W
Environment	-10°C~55°C

Appendix 2 Toxic or Hazardous Materials or Elements

Component Name	Toxic or Hazardous Materials or Elements					
	Pb	Hg	Cd	Cr VI	PBB	PBDE
Circuit Board Component	○	○	○	○	○	○
Device Case	○	○	○	○	○	○
Wire and Cable	○	○	○	○	○	○
Packing Components	○	○	○	○	○	○
Accessories	○	○	○	○	○	○

O: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

X: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard. During the environmental-friendly use period (EFUP) period, the toxic or hazardous substance or elements contained in products will not leak or mutate so that the use of these (substances or elements) will not result in any severe environmental pollution, any bodily injury or damage to any assets. The consumer is not authorized to process such kind of substances or elements, please return to the corresponding local authorities to process according to your local government statutes.

Note:

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