

Android 4.0 system video door phones

User Guide



BEFORE BEGINNING

Dear user:

Thank you for purchasing a GEMVARY Outdoor Terminal product. We hope our products and service can make your life more convenient and happy!

This user manual is just one of the resources to help you understand all the features the GEMVARY Outdoor Terminal has to offer, it should be properly kept for further use!

For more convenience, please read this guide before use. If any questions during use, please contact us, we will certainly happy to serve you, or visit www.gemvary.com to learn more about GEMVARY Outdoor Terminal product.

Note: any technology improvements are subject to changes without notice.

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Introduction

Pioneer use Android embedded systems, ultra-thin design, humane cool interface, multi-point capacitive touch, handheld mobile operating, support wired or wireless WIFI network, open application framework, easy to customize and extend the line Android @Home concept, all-digital TCP / IP building visual intercom function, wireless anti-theft alarm and intelligent home control and remote management, remote maintenance. Automatic upgrade, the implant associated platform application to download and install the application.

Through the management center, it executing unified management of user information and resources , always checking the state of the users' network situation and security equipment. it remote sending access cards to receiving the emergency information from households and ADD:6th F, Bld 1, Honghualing West Industrial Area, Zhuguang North Rd, Nanshan District, Shenzhen 518055, China
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security alarm information. And recorded in Netcom, then query receives outdoor terminal equipment video call on the network where each cell door machine.

Through a proxy server, it control the external access. it translating internal and external network address , download and cache entertainment and multimedia applications , data multicast mass, upgrading the indoor / outdoor unit system , query and maintenance the remote fault .

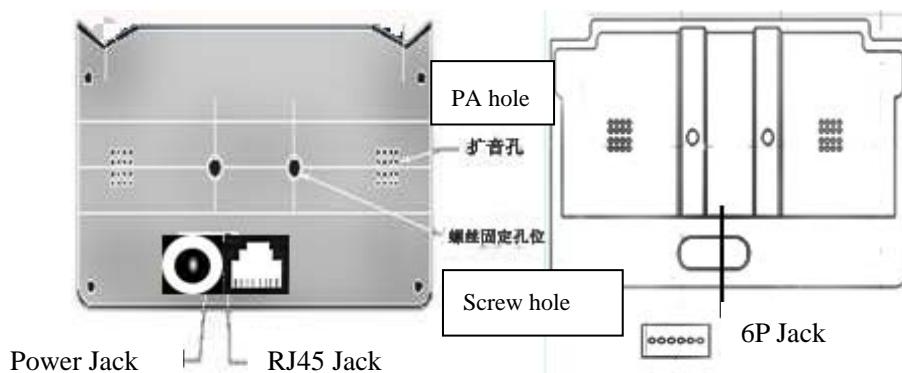
Chapter 1 Indoor terminal Basic Operations

1. 1 Features

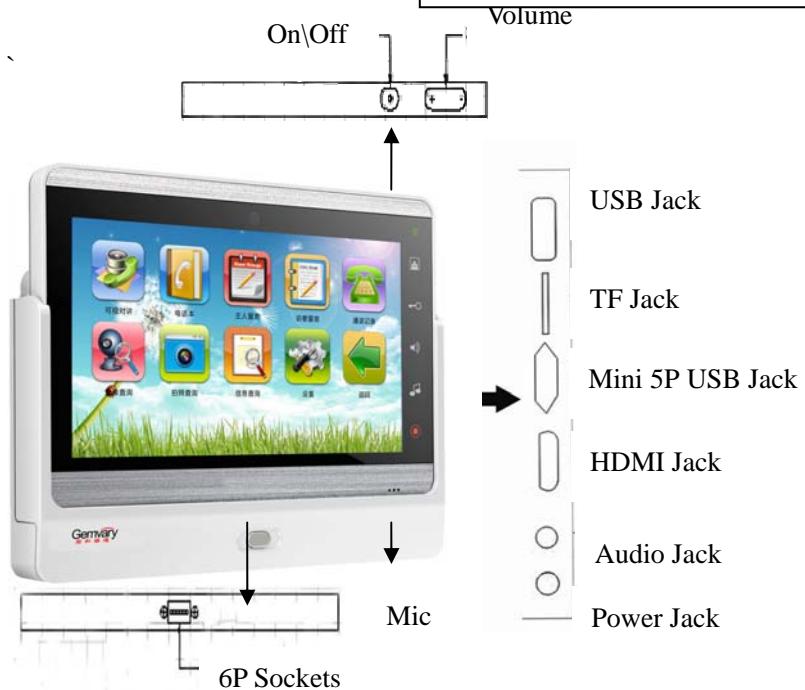


1. 7" HD Multi-point Capacitive Touch Screen
2. 300K Pixels Camera
3. Ultra-thin Appearance, Cool UI
4. Removable From Bracket, Mobile Operation
5. Embedded RF Module
6. 8 Line Wired & Unlimited Wireless Anti-theft Alarm
7. Doorbell Function (Optional)
8. Remote Deployment Alarming/Disarming

The figure below shows :7" Base

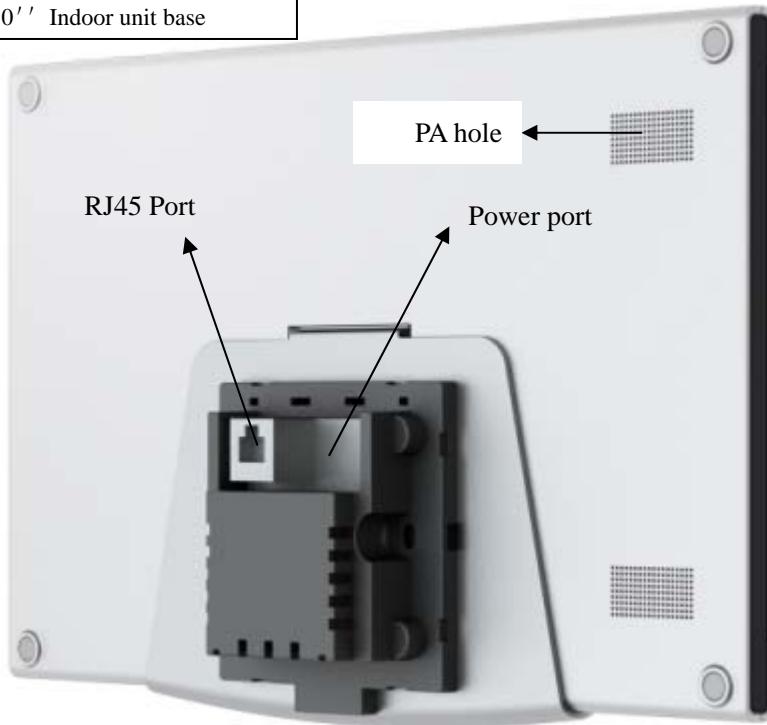


The figure below shows :
7" Indoor unit external interface description



The figure below shows :

10'' Indoor unit base



Buttons and interfaces description:

- A. Power Switch: On or Off (Long press 3 seconds), If you turn on the Standby Function (Setting refer to the Setup Function Description), If Standby (Press the power key to switch to a state)
- B. Volume: Press the lower left corner, can be increased sound, press the lower right corner, the sound can be reduced
- C. Power Indicator
- D. B Jack: Peripheral connection interface
- E. F Jack: T-flash memory card can be inserted
- F. Mini 5pUSB Jack: Upgrade the system connector
- G. HDMI:HDMI(High-Definition Multimedia) output interface
- J. External power adapter socket (alternate port)
- K. The main role of the base stand: the indoor unit into the bracket, then 6P Socket and Jack seat docking, power and network cable should be connected to the bracket on the power supply to the indoor unit for charging and communication through the stent, the stent can be equipped with RF wireless module, fixed, the bracket on the wall, the indoor unit freely taken down to be used alone.

1.2 Interface Introduction

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1.21 Application Interface Introduction:

As shown below, turn on the power and enter the first interface, the entire interface for full touch.

Interface shortcut menu is as follow:



1、 Can send the the emergency alarm number to the management center	3、 Function Menu key
2、 Video Player	5、 District stores
4、 Android Diary	7、 Video intercom
6、 Security Alarm	9、 App Store
8、 Intelligent H	11、 Encyclopedias
10、 Network Monitoring	13、 System Settings
12、 Reservation system	15、 Digital Photo Frame
14、 Notebook	17、 Return
16、 Remote Assistance	19、 Volume increase
18、 Volume down	21、 Power display status
20、 Quick Setup touch butto	22、 Wireless Wi-Fi connection status

Click on the function menu key to enter the function menu interface, you can view more functionality and new features added.

1.3 Basic Parameter Description

1.31 The basic parameters are as follows:

Operating system	Android4.0
Designs	Flat
Screen display	7" and 10.1" LCD color package
Screen resolution	800*480(7")1024*600(10.1")
Screen Type	IPS screen (capacitive multi-touch)
Transmission mode	TCP/IP
CUP frequency value	Clocked at 1.5GHZ
Running memory	1 G
Body storage	4G
Audio formats	PCM (lossless, uncompressed digital audio format)

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Video format	The H.264 video up to 720P, 30 frames per second
Camera	30 megapixel CMOS sensor
Network type	TCP / IP LAN and WAN
Standby current	160MA
Operating current	500MA
DC voltage	DC 12~18V
Audio transmission	Single-wire full-duplex, delay 200MS
Video transmission	300 ~ 3,400 HZ, delay 200MS
Ambient temperature	-20~50°C
Humidity	4~5%~95%

Note: All models are practical above technical parameters.

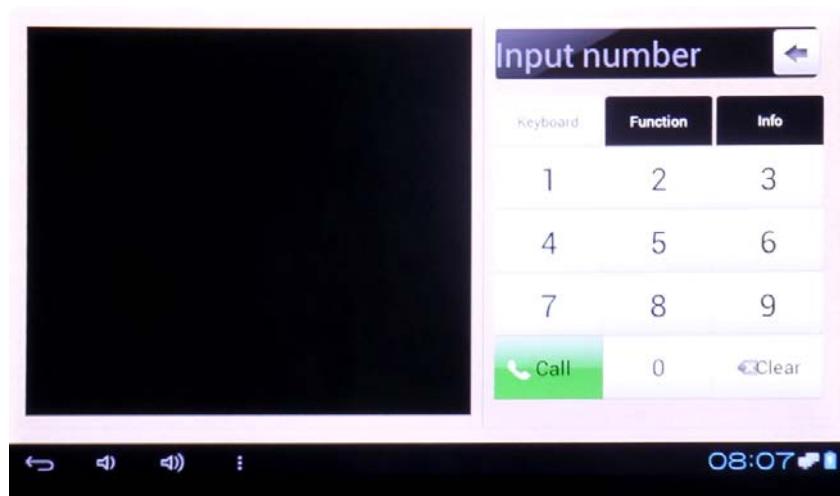
1.4 Video Intercom Features

1.4.1 Features:

Click on “the video intercom” icon to enter a new function interface will display the ten options:

1、  Video Intercom	2、  Phone Book
3、  OGM	4、  Guestbook
5、  Call Records	6、  Video Inquiry
7、  Pictures Inquiries	8、  Information Inquiry
9、  Setting	10、  Return

Click 'video intercom' touch button  , Enter the video intercom interface;



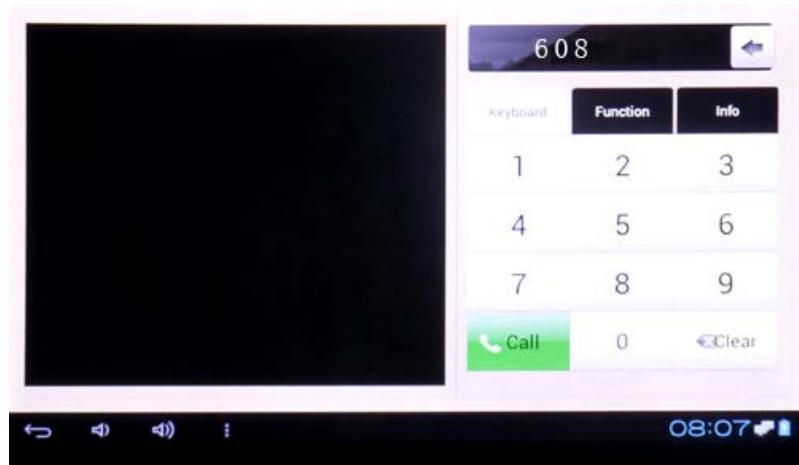
Left side is the video window, the top right is input field, double-click in this input field, pop-up numeric keypad , enter the room number to call, the call room number has two kinds;

1. To call this Building unit room number, room number can be entered directly in the box,
2. Call non the Building room number of the unit, you will need to enter the full name,

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such as:if you want to call District 1 Building 2 Unit 1 Room 201, enter “01,002,010,201” then, press the“return”or keyboard marked symbols to exit the numeric keypad. Click“call”, can make a call to the room which has already been entered. If this building call another building , room number is shown :



Then click “call”, the call has already been entered the room, the other person involved press “Answer” to connect, the left window will display each other's vide, as below:



Click on the video image can be full frequency display, and then click to exit full-range states, as shown:



As for the called subscriber, after the call by other users, whether the user click "answer " or not , the video window on the left you can see the caller. After connected, can use hang up function to end the call . If so door phone calls indoor unit, the indoor unit can use the lock function, click ADD:6th F, Bld 1, Honghualing West Industrial Area, Zhuguang North Rd, Nanshan District, Shenzhen 518055, China

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"unlock the touch" button, there will be voice prompts and text display "Lockpicking".

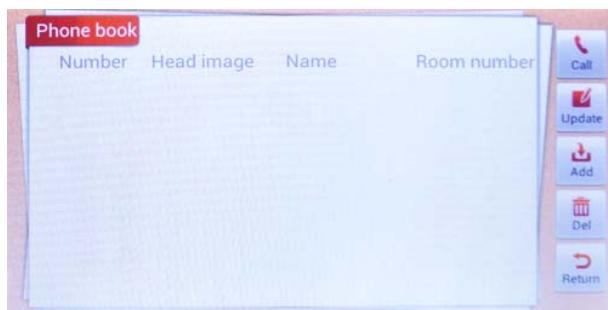
During the video intercom process can click the "record" button, on video recording process, you can also remotely unlock the lock function. video ends, click the "Stop" button, the video content in return to function selection screen, click on the "video query" button to view.

During Video intercom process, you can click on the "Camera" button to take photos. Return to function selection interface, click on the "Photo Query" button, you can see the shoot good photos. In video, you can talk to each other front screen. Click the Monitoring functions can view outside the main gate, like a remote camera, after a successful connection, the video display to full screen.

Note: Can not be used to "Monitor" during the video call. And in video intercom press the "0000" can call management center.

1.42 Phone Book

Click the "Telephone book" button to enter the phone book interface as shown below:



You can add the records, modify, delete, and select records click dialing, can call to each other.

1.43 Outgoing Message(OGM)

OGM: You can leave a message in this feature. It is convenient to listen and check the messages at any time, as shown on the left:

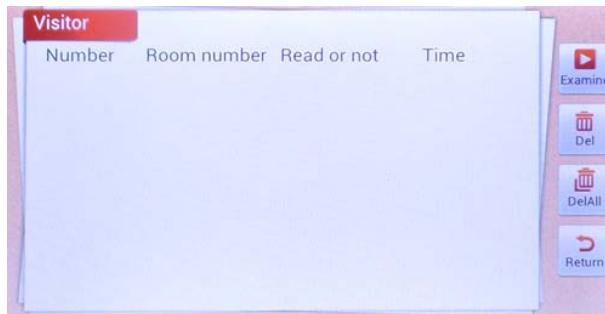


Click "leave a message", after the visitors call 20s, if the owner does not answer, it will be

played OGM.

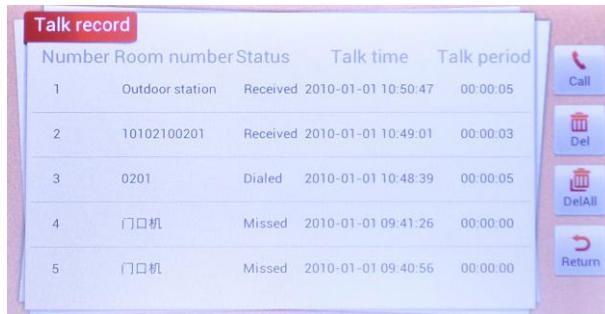
1.44Guestbook:

The message that visitors left, click on this feature into“Guestbook”choose to view, click“View”, you can play the visitor's message



1.45Video Inquiry :

The call with the heads of households and door machine, will be displayed in this interface. Choose “what” into view the call, select a call record, click “dialing” to callback, delete and other operations. Note: The indoor unit can not call a door phone, as shown:



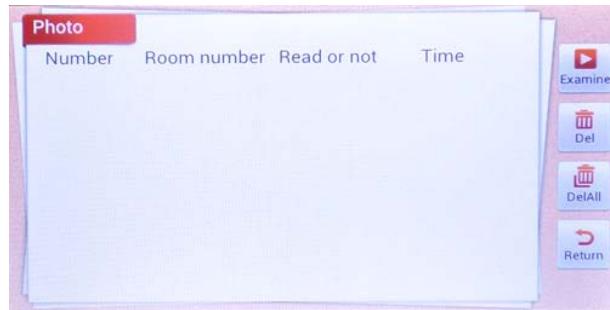
1.46Video Inquiry:

Click the “Video Query” button. In video calls, video information query and delete operations can be finished in this function:



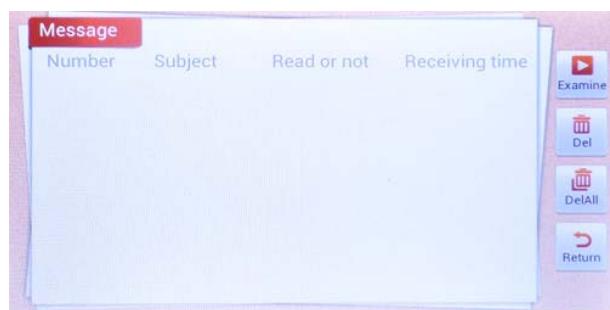
1.47Pictures Inquiries:

In video calls, the photographs can be deleted and viewed in this feature:



1.48Information Inquiry:

As shown, the information sent from the service center in this query . Select the view information, click "View":



1.5Intelligent Household

Only a expand interface

1.6Security Alarmfeatures

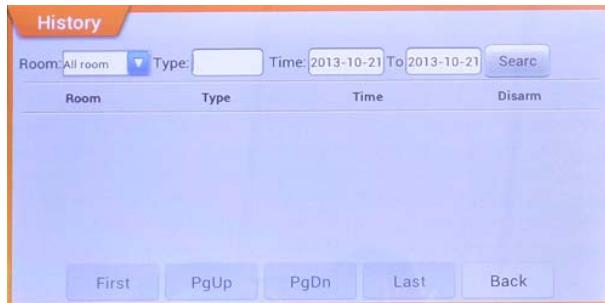
1.61Security Alarm:

Click “Security Alarm” Enter into the security arming and disarming interface, as left shown. First, select the desired arming security equipment, and press “Arm”. For disarm, click “Disarm”, and enter disarm password.



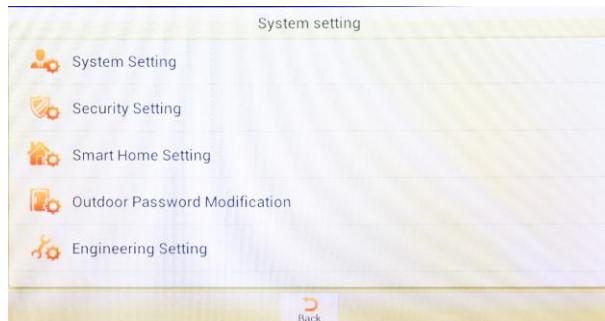
Select the desired category, then turn on the “Arm”, and it will be displayed in the status display. For disarm, select the desired category, and click “Disarm” , enter disarm password for disarming.

For inquiries alarm records, click on the “Alarm Record” , enter the query interface, as shown:

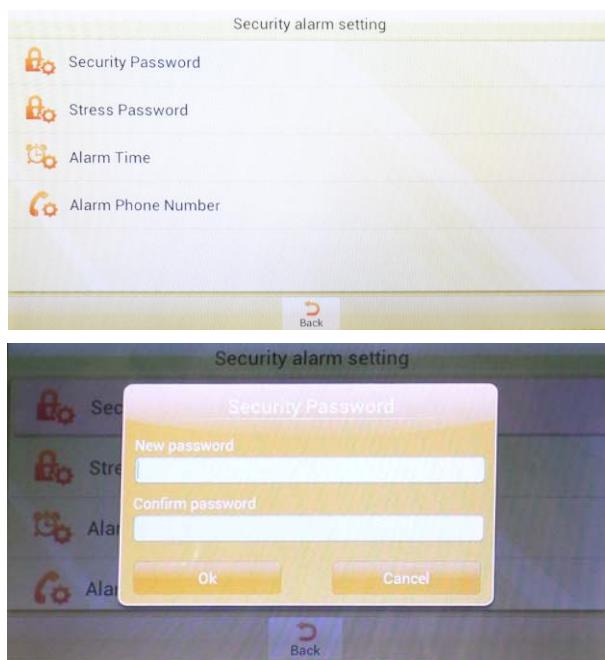


Can be divided into the case of a room name, type, and time period to check alarm.

Security Alarm and Disarm password settings, as shown in:



Security password settings can be selected in the Security Alarm Settings, and can be set a password that disarm need to enter , as shown:



Security alarm settings can select the Alarm Time Set, and set the length of time of the alarm after

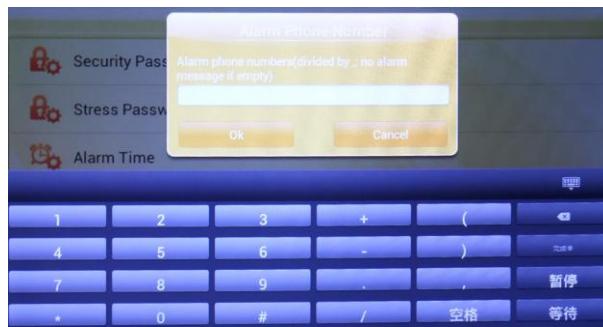
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alarm sounding, as shown in the figure on the left:



You can select alarm phone number set in the security alarm settings, and also can set the alarm to send alarm messages to the specified phone, as shown:



1.7 Other Features

1.7.1 Other Features

Emergency alarm button: When the system is set up, you can click the upper left corner of the screen with your finger, it will send an alarm signal to the center of the service pipe. Service control center received signal, will emergency accepting alarm event.

EASON Zen HD Dynamic Wallpaper: Click function key to enter into the function menu interface, Click  icon display the following interface



Click “Continue” Enter into the wallpaper selection operation



Wallpaper Loading will be prompted to choose a favorite wallpaper.



This is wallpaper preview state, click “Set Wallpaper”, Once Wallpaper setting success, it will automatically exit Setup and return to the main interface to view the new wallpaper.

1.73 Browser

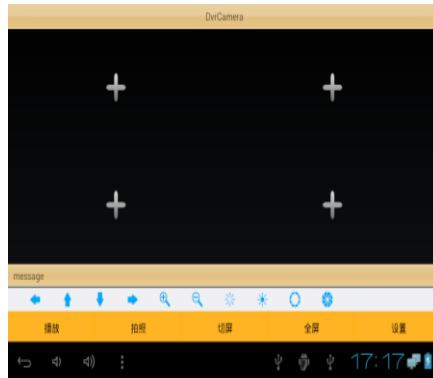
UC Browser HD: In the case of connecting outside the network, you can use this Browser for web browsing, as shown in the figure on the left:



1.74 Network Monitoring , Application Store

After System set up, click and use Network Monitoring (surveillance camera shot of the ADD: 6th F, Bld 1, Honghualing West Industrial Area, Zhuguang North Rd, Nanshan District, Shenzhen 518055, China
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door machine's range). Network Monitor window provides monitoring, playback history stored video, choose camera to take a photo. Click the "Full Screen" and cut screen interchangeable.

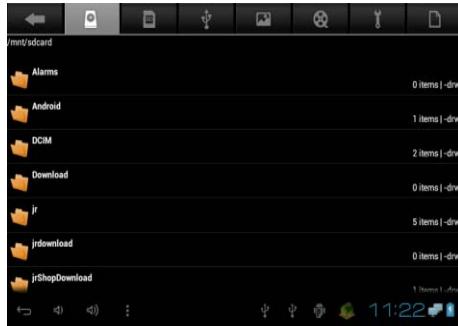


App Store: When the area surrounding businesses to join the system, it will record related information.



1.75 Document Management

Document Management: After entering, click "SD card" to check all types of storage file in the storage disk. Double-click "Back" to exit, as shown in the figure on the left:



1.76 Reservation System, District Stores

Click and can select delicious meals or takeout, as shown:



District Stores: you can shop in nearby stores on the indoor unit, as shown on the left:



1.77 Basic Setting Function

IFLYTEK HD: a kind of input method.

Setting: Enter setup interface, click on the lower right corner of Figure, a small window pops up, and click again to enter the selection window, in the bottom, select "setting function", enter the setup interface:

In the left page, pull down, respectively, can be configured:



1、Wireless and networking

(1) WI-FI On and Off



(2) Traffic usage View



(3) More...

Click "More" enter into other network configuration menu, there are:

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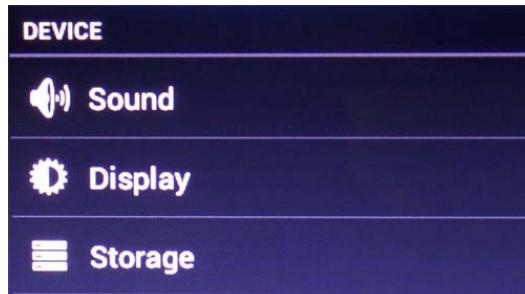
Flight Mode: Select and Cancel

Airplane mode

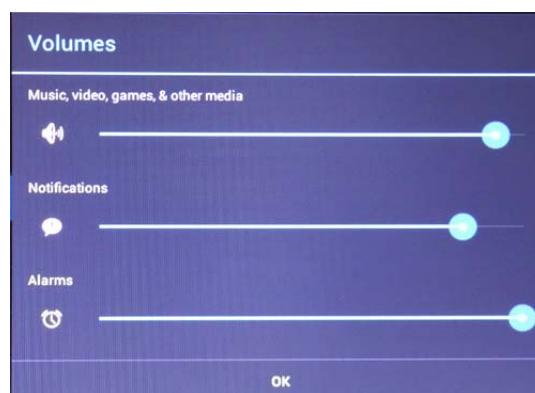
Ethernet: Click and enter into the Setting Mode, the first is Select or Cancel Ethernet. The second is configure the network: Click to enter, select “Advanced” to enter the Advanced Configuration. In the menu , the dynamic allocation can be selected. If not select dynamic, then you need to enter the IP address, subnet mask, gateway, DNS server on the Below, press OK to exit and then can be connected to Ethernet.



2、Equipment



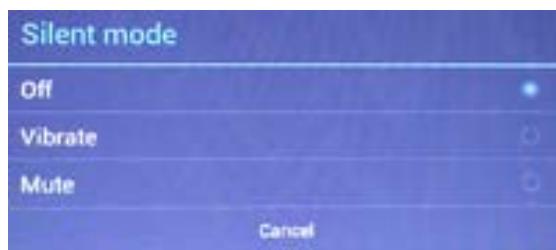
(1) Sound: Volume Click to enter, you can set the sound size of video call, notice sound and the alarm sound .



(2) Silent Mode: On and Off

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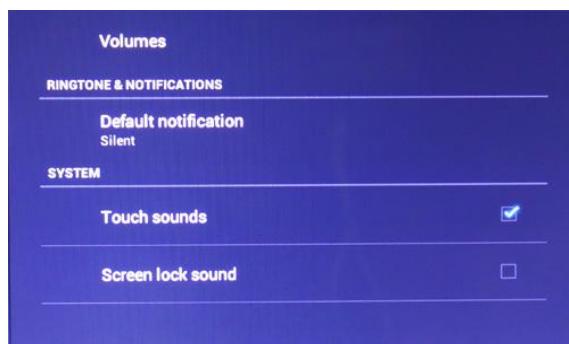
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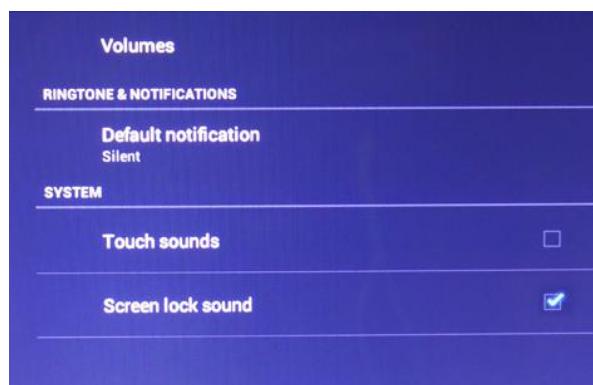
(3) Notification ringtone. There are hundreds of ringtones to choose.



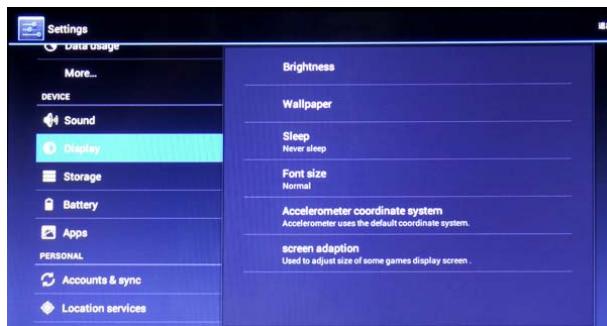
(4) Touch tone Select or Close



(5) Lock Screen tone :Select or Close



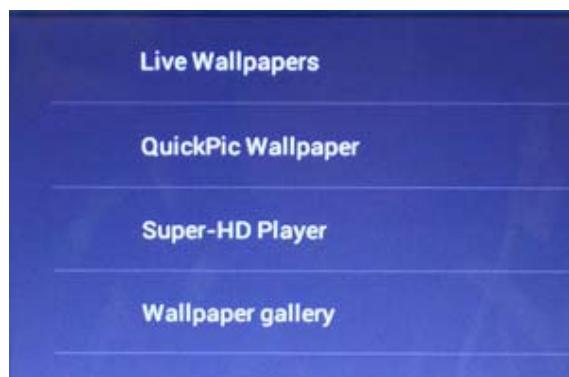
3、Show: Click Display, its function shown the following diagram on the right:



(1) Brightness Adjustment: You can adjust the display brightness:



(2) Wallpaper: Dynamic wallpaper replacement Wallpaper Gallery: you can choose Image and Click to set wallpaper



Dynamic wallpaper settings are as follows:



Static wallpaper settings:



4、Storage: you can select the media scan type, check the total capacity, used space and free space, internal storage capacity, and formatting the storage device functions.



5、Battery: you can check the battery power and the power consumption of related software.



6、Application: the download personal applications save in here



7、Accounts & Sync: close or open the account, you can add a new account.

8、Location Services: you can use Google's location service to determine the user's probably location.

9、Security: there are screen security protection (you can select Screen Lock unlock way: sliding, face unlock,picture, PIN, password).



(1) In “Owner” function, you can select or cancel the displayed contents on the lock screen

(2) Encryption:you can set the power-on password. When enter the password,you can select or close visible state.

(3) Device Manager: you can View or Disable the related equipment.

(4) Unknown source: you can Select or Cancel whether to allow the installation is not from the electronic market applications.

(5) The trusted credentials: you can view this trusted CA certificate.

(6) Install from SD card: if there has download certificate in the SD card, you can click on the install certificates from SD card.

10、Language and input method:

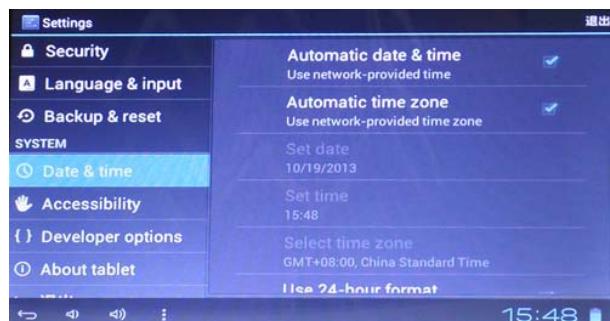
In this function you can choose different language, select or cancel the spelling correction function. In "Personal Dictionary", you can add any of the words what you want to add. In the Default input method, you can choose the system default input method. In "Text-to-speech" (TTS) output, you can choose voice type, voice speed adjustment, and can click to listen to the sample test. In pointer speed function, you can adjust the pointer speed. Operation as shown below:



11、Backup and Reset:

- (1) Restore the factory settings: Click to clear all the data on Tablet PC
- (2) Recovery: after system reboot and into Recovery mode, it can clear partition data or system upgrade.

12、Date and Time: In here, you can set the time and time zone and network synchronization, adjust the date and the time, time format and date format.



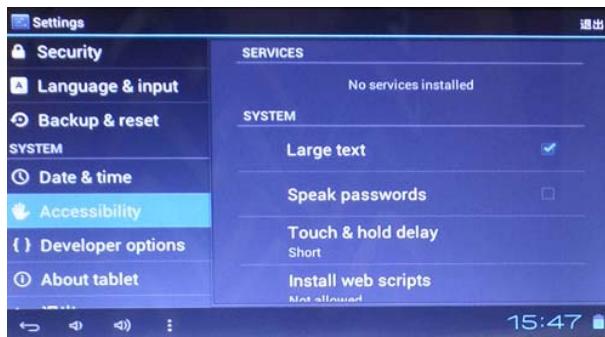
In case of network, choose to automatically determine the date and time, and automatically

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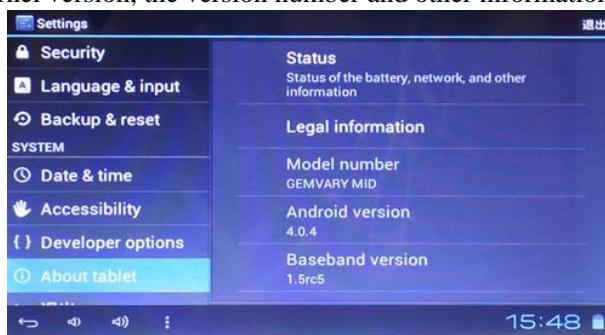
determines the time zone, the system will automatically according to the network to adjust the time.

13、Auxiliary functions: In here, “TalkBack” provides spoken feedback



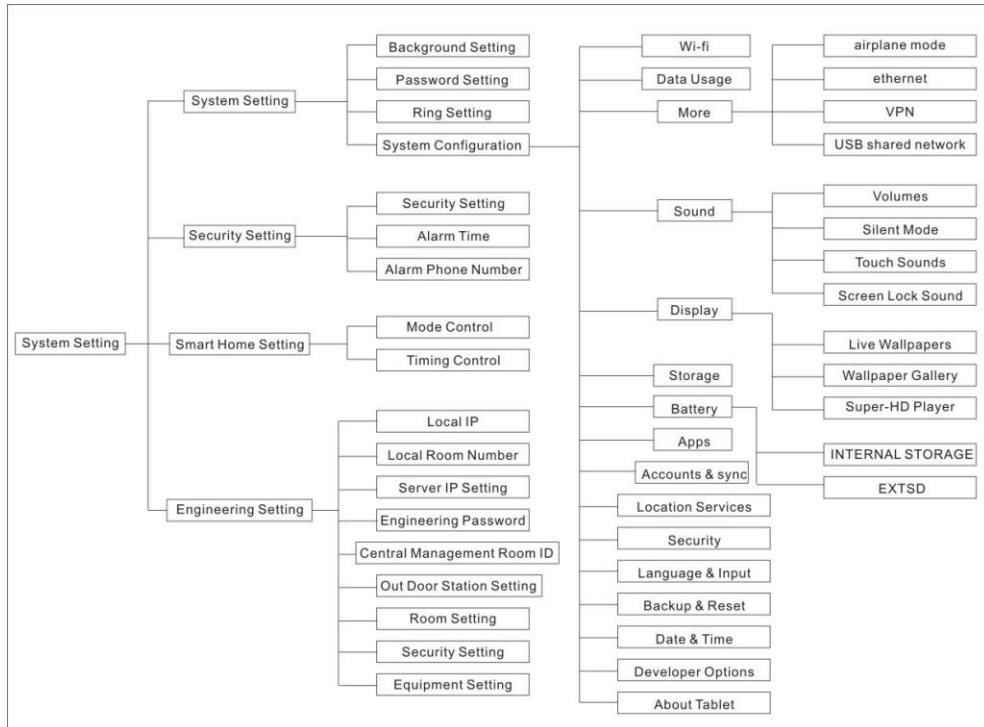
14、Developer: Non-developers may not need to understand this feature.

15、Tablet PC: Including the status messages, legal information, model, Android version, firmware version, kernel version, the version number and other information.



16、Remote Control Account Management: You can view and change the account information (can register and binding unbundling account, and to turn off the remote control).

Basic Setup Flowchart

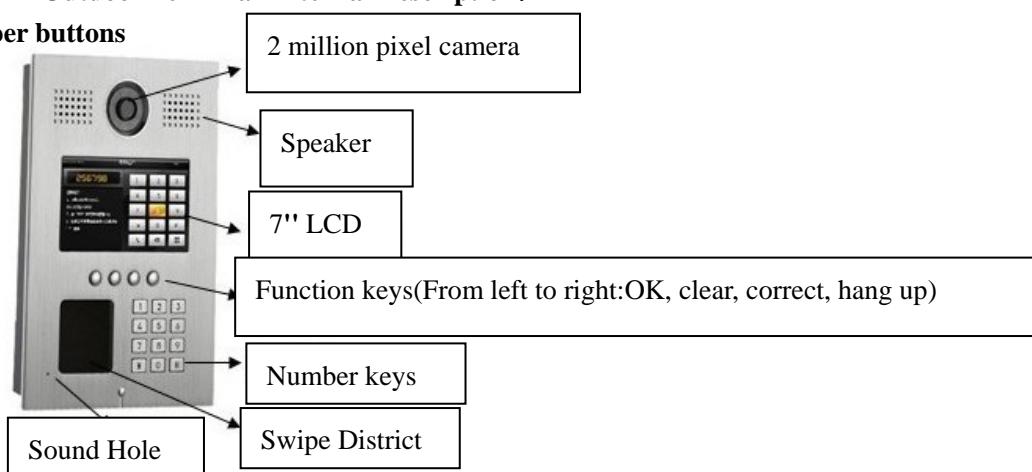


Chapter 2 Outdoor Entrance Main engine

2.1 Instructions

2.11 7" Outdoor Terminal External Description:

Number buttons

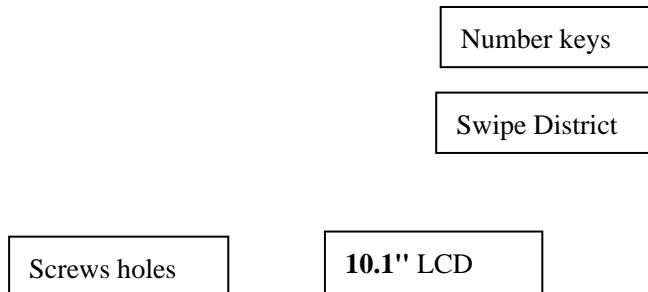


10" Outdoor Terminal External Description:

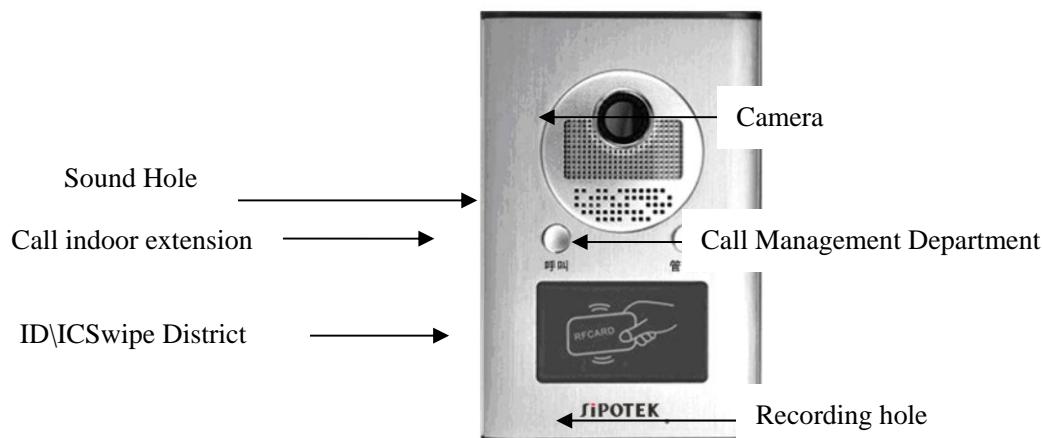
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g North Rd, Nanshan District, Shenzhen





The host door of villa:



2.12. Outdoor terminal automatically boot, boot into the main interface, as shown:



1、Outdoor terminal can call the indoor terminal management unit, video intercom, IC or ID and password lock function.

2、Call households: Door machine can call all of the indoor unit. The operation is as follows: "Enter Household room number press OK. Call the indoor unit, when it is turned on, you can make two-way conversation. Press "Hang up" to close call. If the household have not answer, you can click the "Message" button in dial interface. The interface prompt "Ready for your Message...", then you can start a message or pictures. After the message completed, press the "hang up" button to close the two-way conversation, and then return to the door machine interface.

3、Call management machine: Dial "0000" and press ENTER to call management center.

4、If the host system is in use (busy), it is unavailable to call the extension.

5、The password unlock operation: Steps: (enter the password + OK) to open the door electrical control lock. On door machine, enter the initial password "000000" + OK, the interface displays "unlocking, please wait". Wait a few seconds, the door make a sound to prompt and the power indicator show red light ,then the door is opened.

6、You can authorize IC or ID card a non-contact way credit card, to credit card lock;

7、After host received signal, it show"OPEN" then the indicator show that the lock is opened.

8、When the host IC or ID card receive unauthorized credit card, it will show"PERR error", and refused to unlock.

2.2External Description

2.21 7" 、 10" Outdoor Machine Introduction:

Basic parameters:

Category	Parameter
Operating system	Android4.0
Designs	Brushed Aluminum alloy
Screen resolution	800*480
Data transmission	TCP/IP

Running out of memory	1G
Audio formats	PCM lossless,uncompressed digital audio formats
Camera	CMOS Sensor 2 mega pixel
Night vision compensation	infrared light or bright white light 6 IR-LED
Standby Current	150MA
DC voltage	DC12~18V
Video transmission	300~3,400HZ Delay 200MS
Temperature	45%~95%
IC/ID Read and Write	5000 sheets
Protection class	IP33
Operating mode	Combination of touch and physical buttons
Screen Size	7" 10"
Screen Type	Resistance screen
CPU Frequency	Frequency 1.5GHZ
Body storage	4 G
Video format	H.264 video, up to 720P, 30 frames per second
Camera lens	F= 2 Manual Focus 78 degrees viewing angle 0.1LUX illumination
Network type	TCP / IP LAN and WAN
Operating Current	500MA
Audio transmission	Single two-wire full-duplex delay 200ms
Networking Distance	Unlimited Ethernet distance, over a distance of 100 meters using fiber-generation
Installation	Embedded wall installation

Villa door Parameter Description:

Category	Parameter
Operating System	Android 4.0
Operation	Physical buttons
Design	Brushed Aluminum alloy
Data transmission	TCP/IP
Vedio format	H.264 video, up to 720P, 30 frames per second
Audio formats	PCM (Lossless, uncompressed digital audio formats)
Camera	CMOS Sensor, 2 mega pixel
Camera lens	F= 2 Manual Focus 78 degrees viewing angle 0.1LUX illumination
Night vision compensation	infrared light or bright white light 6

	IR-LED
Network type	TCP / IP LAN and WAN
Standby Current	150MA
Operating Current	500MA
DC voltage	DC 12-18V
Audio transmission	Single two-wirefull-duplex delay 200ms
Vedio transmission	300~3, 400HZ delay200MS
Temperature	-20~50°C
Humidity	45%~95%
IC/ID stored value	5000 sheets
Protection class	IP33
Installation	Embedded wall installation

2.3Outdoor Model

Product Name	Model	Brand
10" LCD digital door host	JQ210T	Gemvary
7" LCD digital door host	JQ207T/G	Gemvary
Small Digital door host	JQ200	Gemvary

Chapter 3 FAQ & Maintenance Information

3.1 Troubleshooting and maintenance

- **Troubleshooting**

3.1.1 Customer FAQ:

(1) May user get a electric shock from this device ?

ADD:6th F, Bld 1, Honghualing West Industrial Area, Zhuguang North Rd, Nanshan District, Shenzhen 518055, China

TEL:+86-0755-86320888 FAX: +86-0755-81466627

NOTICE TO USERS: the product has its dedicated power supply, power cord, and may be potential risk, such as incorrect use may result in personal injury or property damage. Please use the product properly.

(2) In use, pay attention to what? Note:

Do not use in damp places, such as bathrooms. Penetrate the liquid may lead to short circuit burned out device or an electric shock.

Do not use the product during a lightning environment, keep the products and other parts of the work in a well ventilated environment.

Do not impact, scratch LCD screen, or place heavy items on it. If LCD breaks and spill liquid crystal material , any touch please flush with plenty of water for at least 15 minutes.

3.12 Use and Maintenance

1. Packing materials safely out of the reach of children.
2. Product away from strong magnets.
3. Moving products before use adequate cushions and high quality carrying bag, do not place the product in a tightly packed suitcase or bag.
4. Cleaning method: use detergent 1:5 with water, or with alcohol. With a sponge to absorb the diluted solution, and use sponge extrusion excess liquid. Take a circular motion to wipe the cabinet, and then use completely dry soft cloth to clean up.
5. Display Clean: use soft, lint-free cloth and gently wipe the display. If any stain remains, you can use water, or a ratio of 50:50 does not contain impurities Isopropanol and water mixture, wipe with a lint-free cloth. Do not let any liquid drip products.

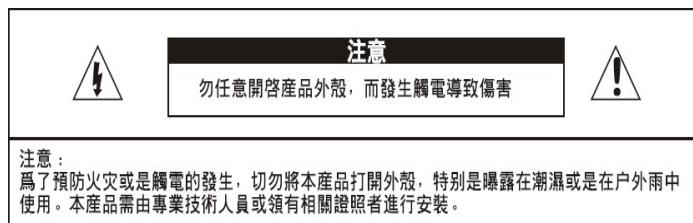
Chapter 4 After-sales service Tips

In addition to our proposed maintenance and troubleshooting operations, we recommend that you shall not be dismantled equipment. You can contact Management Office, to inform the supply Depot Repair or project site technical support.

Chapter 5 Tips

This manual applies to the 7" or 10" indoor / outdoor machine. Contents of this manual are only for reference, if any change without notice, please find the supplier to provide the latest version of the manual. The book may contain technical inaccuracies or typographical errors, we sincerely hope for your understanding, and feedback to us, we will make improvements in the new version.

Precautions



Do not place the product in a wet or strong sunlight environment

This will cause damage to the product

Do not drip any liquid on the product

If any liquid drop on the product, wipe it dry immediately. Alcoholic or beverage may contain materials that corrode the electronic components.

Do not drop the product on the ground, or exposure to any intense bombardment

Otherwise it will cause damage to the product.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.