

Intrasonic Technology, Inc.
Color Video Door Phone / Intercom
User's Manual
Model No. V304KIT-R



Now with Picture Memory



Please read this manual carefully before the products are installed. Technical specifications and contents are subject to change accordingly without advance notification.



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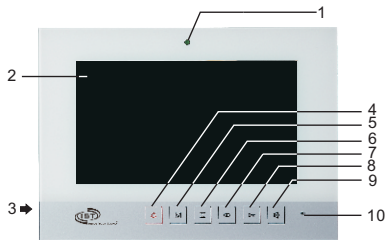
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System Overview:

The video door phone system is capable of up to 4 monitors and 4 door stations. When the door bell is pressed, the system will chime at all the inside monitors alerting there is a visitor at the door, and the monitors will display the image from the door camera on the monitors. There are several built in selectable chime tones available.

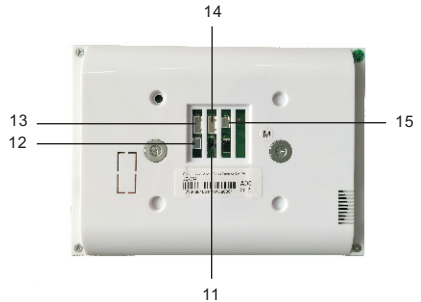
Press the talk button when communicating with the door. This provides extra measure of safety screening visitors prior to opening the door. With the optional door release mechanism, select to unlock the door from any inside monitor. The door station is equipped with video night vision to see the visitors in low and no light conditions.

The system also provides an inside monitor to monitor intercom (audio only). With this feature the home owner can talk with other rooms that contain a monitor station.



Model V18 Monitor-R

1. Power indicator
2. 7" TFT-LCD display
3. Speaker
4. Ring button
5. Menu button
6. Extra unlock button
7. Monitor button
8. Unlock button
9. Answer button
10. Microphone



11. Audio jumper
12. Extra lock output
13. Door station or prior monitor input
14. Next monitor output
15. Power input



Features & functions:

Video door phone to monitor, call and unlock a door.
System will accommodate up to 4 door stations and 4 inside monitors.
Camera LED's for night vision.
Selectable door chime tones.
7" TFT-LCD color monitor.
Intercom between monitor stations.
Picture memory and privacy functions available.
Extra unlock button for gates or garages.

Technical parameters:

Camera:	1/3" SONY CCD 420TVL
Min illumination:	0.01 LUX
Display:	7" TFT-LCD
Video output:	1Vp-p/75 ohm
Cable:	4 conductor 20AWG minimum
Distance:	400 feet, system total, 1" monitor to last camera
Power:	DC18 Volts \pm 10%
System current:	< 1A
Input voltage:	11VAC



SAFETY

Please read all instructions carefully before operating the system.

- A. Read these instructions.
- B. Keep these instructions.
- C. Heed all warnings.
- D. Follow all instructions.
- E. Do not use this apparatus near water.
- F. Clean only with a dry cloth.
- G. Do not block any ventilation openings, and install in accordance with the manufacturer's instructions.
- H. Only use attachments and accessories specified by the manufacturer.
- I. Do not expose to moisture. This can cause shock hazards or create fire and void the warranty.
- J. Do not service this product yourself. Attempting to service this product may expose you to high voltage and will void the warranty. Please contact a qualified local dealer for service.
- K. Any substitutions of non-Intrasonic Technology products may result in electrical shock or other hazards.
- L. The apparatus should not be exposed to dropping or splashing or liquids. No objects filled with liquids, such as vases, should be placed on the apparatus.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture
AVERTISSEMENT: Pour réduire le risque d'incendie ou de choc électrique, ne pas exposer cet appareil à la pluie ou à l'humidité.




CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer to qualified service personnel.


Attention: Pour réduire le risque de choc électrique, ne pas retirer le couvercle (ou l'arrière). Aucune pièce est réparable par l'utilisateur. Reportez-vous à du personnel qualifié.

FCC

This device complies with Part 15 of the FCC rules. Operation is subjected to the following 2 conditions:

- ① This device may not cause harmful interference.
- ② This device must accept any interference received, including interference that may cause undesirable operation.

 **Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the users 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 reception, which can be determined by turning the equipment on and off, 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 the receiver.
- Connect the equipment into an outlet on a circuit different from which the receiver is connected.
- Consult with the dealer or an experienced radio technician for help.

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Operation:

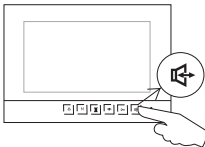
1. Calling the residents

Push the CALL button on the door station. The door will sound a feedback ring if the calling is successful. The calling can be ended immediately once the call button is pushed again. If there is no answer, the calling will time out after 15 seconds.




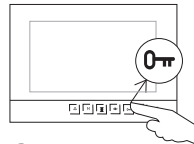
2. Answering the door phone



Push  button and speak.



3. Releasing the door

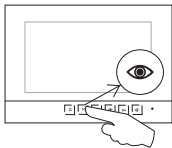
Push  button while the monitor is at intercom status.



 The door can be released by pushing  button without calling if the electronic lock is connected to the monitor.


3. Monitoring the door

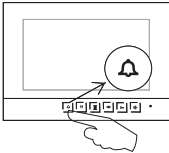
The door station can be viewed from any room monitor by pressing  button. Once pressed, the camera from the door station will turn on and display on your monitor.





 If you have multiple door stations, pressing  button repeatedly will turn on each camera at a time. The monitor function will time out about 15 seconds.

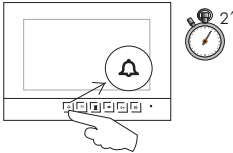
4. Broadcast

Push  button and then speak. People nearby the other monitors can hear you.





5. Using the intercom feature

To start an intercom conversation, press and hold  button until the door chime starts to ring. To answer the intercom from another room monitor, simply press  button. The intercom conversation is now hands free with 2-way communication between the 2 monitors. The intercom function will time out after in about 45 seconds.



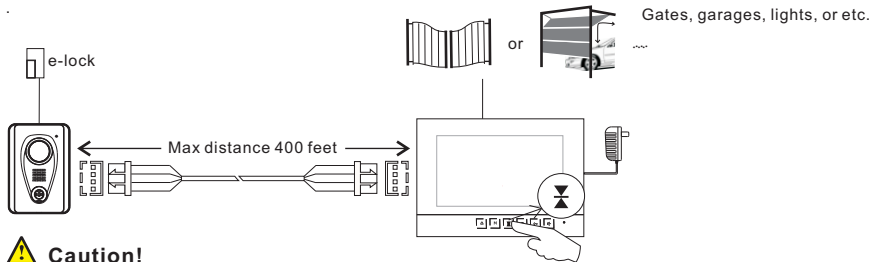
6. Calling transfer

Once communication to the door camera has been established, press and hold  on the active monitor to ring the other monitors. Once one of the other monitor answers the ring, the call will be transferred.

 Above functions are available only if there are 2 or more monitors.

7. Release gates / garages...(Model V18Monitor-R & V18Monitor only)

There are extra unlock buttons with relays on Model V18Monitor-R and V18Monitor. They are applicable for gates, garages, lights, etc.




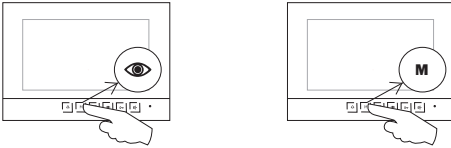
Caution!

Max. contact load of Extra Lock Output: 2A/30VDC and 0.5A/125VAC.

DO NOT exceed the parameters. Otherwise it may cause damages.


7. Display Menu

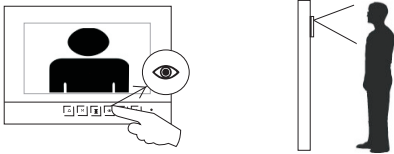
Push  button to activate the screen. Then push **M** button to activate the menu. There are the items of brightness, contrast, color, language, date, time, and delete all. Users may push **0π** button (+) and **X** button (-) to adjust the parameters, and push **M** button to confirm or skip them.





8. Picture memory

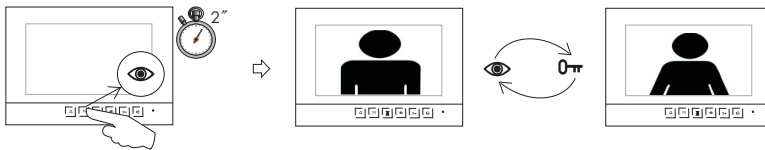
A. Capture images

The monitor will capture the visitor's image automatically if nobody answers the call after 3 seconds. But the captured images will be canceled automatically if the call was answered at last. Users also may push  button to capture the image and store it during the communication.








B. Review the stored images

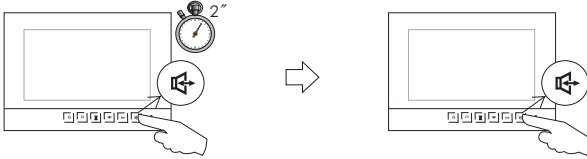
Push  button and do not release it for 2 seconds. The monitor will sound a double beep. The latest stored image will display. Users may push  or **0π** buttons to turn the pages.








C. Delete the stored images

During the reviewing status push  button and do not release it for 2 seconds. The dialogue box will display. At this moment push  button again, then the viewing page will be deleted. Then push " +  buttons to exit.

 In case all recorded images need to be canceled, users may go to the Display Menu.





9. Adjusting ring and volume

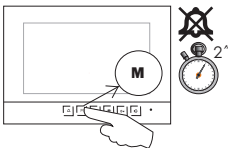
Push  button and do not release it until the monitor rings. At this moment users may push  button again and again to choose the rings. The choice will be accepted once the monitor shuts automatically or the users push  button. While adjusting users may push  button again and again to increase/decrease the ring volume. There are 8 levels. The levels will turn to next one by one. The setting will quit itself if no operation in 10 seconds. Users also may push  button to confirm the setting and exit immediately.



10. Privacy setting

At the standby status push  button and do not release it for 2 seconds. The monitor will get ready for the privacy with a double beeps.

 Actions of pushing any button or answering a call, or the timeout (12 hours) will make the setting invalid.





Trouble Shooting Guide

1. Test

After all components are installed and connected as the user's manual, please switch the power on and then try to operate all features on all door stations and monitors.

2. Troubleshooting

Common malfunctions	Possible reasons	Obviation
No feedback ring after pushing the call button. Meanwhile the door station's LED indicator doesn't turn on.	Disconnection on the power supply or socket.	Replace the power supply or the socket.
	Disconnection on the (red or black) signal wires.	Check and connect the wires.
No image displayed. The others are all ok.	Disconnection on the (black) signal wire of the monitor.	Check and connect the wires.
Poor image quality	No video resistor connected on the monitor.	Check and connect the video resistor.
Receive a call but cannot answer.	Audio jumper is not on the right position (usually AF).	Use the audio jumper on the right position accordingly.
Ghost image.	No video resistor connected on the monitor.	Check resistor position or connect video resistor.
	Two or more door stations share a same address.	Cut the code wires to make exclusive address no. for every door station.
Unavailable to activate a 2 nd camera.	The power is too weak to support the whole system.	If use only one transformer, please add another transformer/adaptor.

Intrasonic Technology, Inc. 2 Year Limited Warranty

Intrasonic Technology warrants its products to be free of manufacturing defects for 2 years from the date of closing or actual installation. This warranty only applies to products purchased from authorized dealers or distributors. If proof of installation can not be supplied, the manufacturing date code may be substituted. The warranty extends to the original user or subsequent owner of the product during the warranty term. Intrasonic Technology will replace or repair the product at its option at no charge with a rebuilt or new product. All products with manufacturing defects must be returned to Intrasonic Technology.

If an Intrasonic Technology product is determined to have a manufacturing defect, please call our toll free number (877-435-0670) before any attempt to dismantle or repair the product. Any attempt to dismantle or repair product will void the warranty.

An RMA (Return Material Authorization) will be required prior to returning a product to Intrasonic Technology. To obtain an RMA number, call our toll free number (877-435-0670) and speak with a customer service representative. All products returned to Intrasonic Technology without an RMA will be refused.

The limited warranty is in lieu of any other warranties, expressed or implied and any other obligations or liability on the seller's part. The limited warranty does not cover service calls, damage caused by improper installation, acts of God or violation of building or electrical codes.

Intrasonic Technology will not be liable for consequential, incidental or other damage arising in connection with use or inability to use this product. In no event shall Intrasonic Technology's liability hereunder exceed the cost of the product covered hereby. No person is authorized to assume for Intrasonic Technology or obligate Intrasonic Technology for any other liability in connection with the sale of this product. Some states do not allow the exclusion or limitation of consequential, incidental damage, so the above limitation or exclusion may not apply. This limited warranty gives you specific legal rights and you may also have other rights, which may vary state to state.

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