

**SVAT ELECTRONICS**  
*now you can see*



## Digital Wireless DVR Security System

Receiver with SD Card Recording and Long Range  
Night Vision Camera

WIRELESS SYSTEM



# INSTRUCTION MANUAL

Model#:  
GX301  
[www.SVAT.com](http://www.SVAT.com)



# PRODUCT WARRANTY INFORMATION

Please visit our website at [www.SVAT.com](http://www.SVAT.com)  
for information about your product's warranty

We take quality very seriously. This is why all of our products come with a one year warranty from the original purchase date against defects in workmanship and materials. If you have warranty or support issues please contact us using any of the following methods:

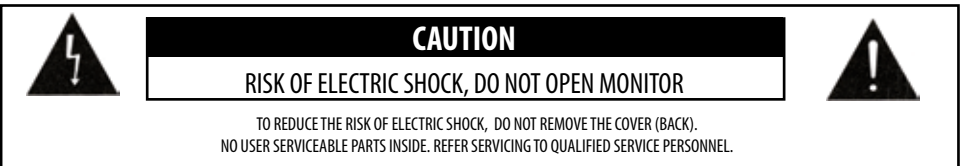
Phone: 1.866.946.7828  
Fax: 1.888.771.1701  
Email: [support@svat.com](mailto:support@svat.com)  
Website: [www.svat.com](http://www.svat.com)

**SVAT USA**  
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Cheektowaga NY  
USA 14227

**SVAT CANADA**  
4080 Montrose Road  
Niagara Falls, ON  
Canada L2H 1J9

## Warranty Terms

1. SVAT products are guaranteed for a period of one year from the date of purchase against defects in workmanship and materials. This warranty is limited to the repair, replacement or refund of the purchase price at SVAT's option.
2. This warranty becomes void if the product shows evidence of having been misused, mishandled or tampered with contrary to the applicable instruction manual.
3. Routine cleaning, normal cosmetic and mechanical wear and tear are not covered under the terms of this warranty.
4. The warranty expressly provided for herein is the sole warranty provided in connection with the product itself and no other warranty, expressed or implied is provided. SVAT assumes no responsibilities for any other claims not specifically mentioned in this warranty.
5. This warranty does not cover shipping costs, insurance, or any other incidental charges.
6. You **MUST** call SVAT before sending any product back for repair. You will be sent a Return Authorization form with return instructions. When returning the product for warranty service, please pack it carefully in the original box with all supplied accessories, and enclose your original receipt or copy, and a brief explanation of the problem (include RA #).
7. This warranty is valid only in Canada and the continental U.S.
8. This warranty cannot be re-issued.



## 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.

**FCC NOTE:** THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

## IC NOTE: LOW POWER DEVICES RF

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 of the device."

**CLASS B OR A PRODUCTION:** This Class [B] digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe [B] est conforme la norme NMB-003 du Canada.

Congratulations on your purchase of the GigaXtreme 301! This wireless, audio enabled video camera with SD card recording capabilities is an excellent security product for any home or business. With motion detection, alarm activation and scheduled recording, you can be sure that you will never miss an unsuspected guest or movement. Feel secure in knowing that you will never miss a thing with your GX301 allowing you to see, hear and record events which are happening at all times.

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## FEATURES

### Digital Wireless Technology

Superior digital frequency with a wireless range of 100ft ensures clear video and audio. The convenience of a digital wireless signal also allows you to set your system up in just a matter of minutes.

### SD Card Recording

Record up to 350 minutes of video and audio directly onto the included 2GB SD card. Choose to record constantly, based on a set schedule or only when motion is detected.

### Long Range Night Vision

Eighteen infrared (IR) LEDs let you see in the dark, up to 40ft away!<sup>1</sup> The LEDs automatically activate when it gets dark, giving you around the clock protection.

### Easily Connects to a TV

Use the included 6ft AV wire to connect to any television so you can see and hear your footage on a larger screen.

## **24/7 Lifetime Live Customer Support**

Assistance is available for you whenever you need it. Our customer support team can be reached by phone, email or live web chat services 24/7 so that you will always have access to an expert.

## **Weather Resistant Camera**

The camera is built with durable aluminum, weather resistant housing<sup>2</sup> so you can use it outdoors in almost any weather condition. Use it indoors for monitoring your business, inventory or home.

## **Expandable up to 4 Cameras**

This system can support up to four cameras so you can monitor multiple offices, entrances and outdoor areas at the same time.<sup>3</sup>

## **Additional Camera: GX301-C**

## **Motion Detection Settings**

Motion detection gives you the option to record only when movement is detected to conserve your SD card memory. Your system will start recording and alert you when motion is detected.

## **24 Hour Scheduled Recording**

Personalize a 24 hour recording schedule. Record video footage using three different types of recording modes: manual, scheduled, and motion activated.

## **Remote Control Access**

Control your system directly from the buttons on the receiver or from a distance with the included remote control. The included IR extention wire makes your remote control even more user friendly.

1. *IR illumination range up to 40ft under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.*
2. *Not for use in direct exposure to water, rain or snow. Although the cameras are water resistant they are not waterproof.*
3. *Recording in quad screen mode not supported. Single channel recording only*

**For more information: Please visit [www.SVAT.com](http://www.SVAT.com)**

# WHAT'S INCLUDED

**SVAT ELECTRONICS**  
*now you can see*



Digital wireless receiver



Digital wireless Camera



2GB SD Card



4 Window Warning Stickers



Remote Control

- Mounting Hardware
- Power Adapter for Receiver
- Manual
- Power Adapter for Camera
- IR extension cord
- RCA to RCA (male) cable

# ALTERNATE KITS



**GX301 - 013**  
Additional  
Camera

***The following kits have the following items included (as well as what is mentioned above):***

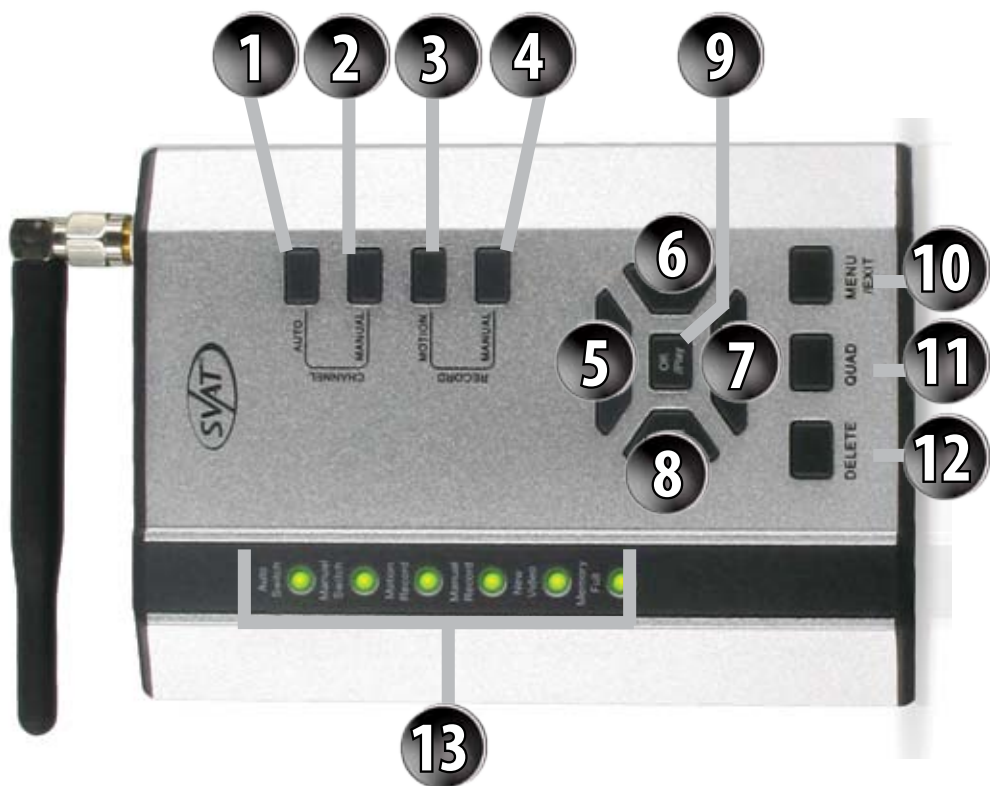
# ADDITIONAL ACCESSORIES



**PX 301-C** Additional  
Camera

For more information please visit:  
**[www.SVAT.com](http://www.SVAT.com)**

## RECEIVER





## Receiver

- 1. Auto Channel:** Turns auto channel on and off. When this function is on, the camera channels will sequence through automatically
- 2. Manual Channel:** Manually changes which camera is viewed on screen
- 3. Motion Record:** Prompts the receiver to record motion. To stop motion recording, press this button again
- 4. Manual Record:** Prompts the receiver to begin constant recording. To stop recording, press this button again
- 5. Up/Play/Pause:** When accessing the menu pressing this will scroll up, when viewing recorded footage, pressing this button will Pause/Play the footage
- 6. Right/F.F:** When accessing the menu pressing this will scroll right, when viewing recorded footage, pressing this button will fast forward through the footage
- 7. Down/Stop:** When accessing the menu pressing this will scroll down, when viewing recorded footage, pressing this button will stop the footage
- 8. Left/R.R:** When accessing the menu pressing this will scroll left, when viewing recorded footage, pressing this button will rewind the footage
- 9. OK/Play:** When accessing the menu pressing this will enter each option. When in live view mode, pressing this button will open the footage list. For more information on footage and playback, see "Playback" on Pg. 24
- 10. Menu/Exit:** Enters and exits the main menu
- 11. Quad:** Opens up a quad screen view. For more information on viewing, please see "Camera Viewing" on Pg. 16
- 12. Delete:** Deletes footage. For more information on deleting footage, please see "Delete" on Pg. 25
- 13. Indication Lights:** These lights indicate what features your receiver is set to as well as if you have newly recorded footage and whether or not your SD card is full
- 14. Alarm Volume:** Whenever motion is detected, an alarm will sound from your receiver. Turning this knob adjusts the alarm volume up and down
- 15. IR Sensor:** The IR sensor is how the remote and receiver communicate
- 16. Button Lock:** Moving this switch to the right will lock the buttons on your receiver. When the receiver buttons are locked the remote control will still work
- 17. SD Card Insert:** Your SD card can be inserted into this area to record and save footage
- 18. Antenna:** This antenna allows for a better signal between the camera and receiver
- 19. Power Input:** Plug the small end of the included power adapter marked "receiver" into this area
- 20. A/V Out:** Plug the single end of the included A/V cable into this area
- 21. IR Extension:** Plug the included IR extension cord into this area if you would like to have a stronger signal between the remote and receiver

**Note:** *To jump to a particular paired camera while in quad mode, select the camera number on the navigational buttons. This function only works while in quad viewing mode.*

## REMOTE

The buttons on the remote hold the same functions as the buttons on the receiver, with three exceptions:

### 1. Scan/Delete:

Pressing this button will delete footage. The scan function is not compatible with this particular system. For more information on deleting footage, please see "Delete" on Pg 25

### 2. AV:

The AV button is not compatible with this particular system, therefore this button has no function

### 3. Volume:

Turning this up and down adjusts the volume of the camera's microphone through your monitor



## CAMERA

### 1. Pair Button:

Located at the back of the camera, you press this button when pairing the camera and receiver. For more information, please see "Pairing" on Pg 14

### 2. Antenna:

This removable antenna allows for a better signal between the camera and receiver

### 3. Camera Housing:

Made of anodized aluminum to prevent rust

### 4. Infrared (IR):

The 18 LEDs allow the camera to see in the dark up to 40ft away

### 5. Camera Lens:

The camera lens is located in the center of the LEDs

### 6. CDS Sensor:

Automatically turns on the infrared LEDs when it gets dark

### 7. Motion Detection:

Detects any motion in front of the camera

### 8. Microphone:

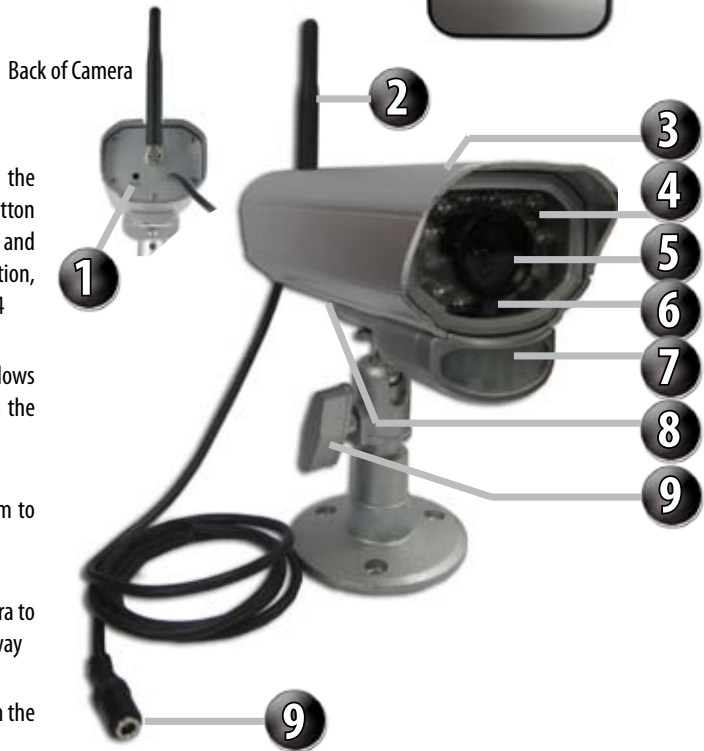
Records audio within 6 feet of camera

### 9. Camera Mount:

Allows the camera to be desk or wall mounted

### 10. Power connection:

This 3 ft. cord connects to the power adapter (marked "Camera")



## THINGS TO CONSIDER BEFORE INSTALLATION

- The camera should be installed between 8 to 13ft above the area to be monitored
- Ensure that the camera is installed **NO MORE** than 100 ft away from the receiver's position to maintain a strong signal between the camera and receiver
- Before mounting the camera, ensure there are no obstructions in the camera's view
- Place camera in the most strategic place where it can provide detailed video of your home or business. Having the camera in the open for people to see can help deter criminals
- To cover large, dark areas such as backyards, garages, and driveways, place camera in a strategic location, such as on the roof or deck. This way more area is covered by the camera
- Ensure that the camera is positioned to avoid glare. Be sure to position camera away from direct sunlight or indoor lighting
- For best results, light in front of the camera should be about the same brightness as the light around the area or object being monitored
- Decide whether the camera will be wall-mounted, or mounted on a desk/table top. We recommend that the mount is secured using the included screws and hardware for all installations

## AVOIDING INTERFERENCE

The GX301 utilizes clear signal technology, meaning that it is designed to avoid the frequencies of common wireless devices. By doing so, the system does not receive interference from any standardized 2.4GHz or 5.8 GHz wireless devices within your home or business.

The signal also passes easily through interior walls. However, buildings with metal frames or placing the camera near large metal objects may cause signal interference. If reception is poor, moving the camera and/or receiver closer to one another may fix this problem. Interference is also possible if another device within the building (such as a cordless phone) is operating on the same frequency.



## MOUNTING THE CAMERA

1. Decide if the camera will be wall-mounted or sitting on a desk/tabletop. The camera can be adjusted for many mounting scenarios by rotating it to the required position.
  - Keep in mind that the camera is microphone equipped. If you would like audio recorded, make sure the camera is within a close enough range of the area being monitored to record any sounds (within 6 ft)
  - Be sure to mount the camera no further than 100ft away from your receiver
  - Be sure to mount the camera no further than 8ft away from a power source
2. Screw the mounting bracket into the camera's mounting hole, turning it clockwise.
3. Ensure that the camera is strongly secured into the wall.
4. Adjust camera to the desired viewing angle.
5. For additional help with mounting the camera, please see the drilling template located at the back of the manual.
6. Once you have mounted the camera and placed it at the desired viewing angle, plug the camera's power adapter (marked for camera) into the cord on the camera and then plug the adapter into a power source. (A surge protected power source is recommended.)
7. If you purchased a kit with additional cameras, repeat the above steps for all additional cameras.

**Note:** *The above photos are examples of mounting a camera, your camera will look different from the above images.*

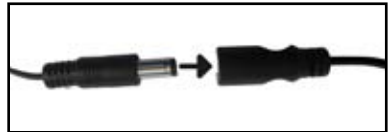
### Adjust camera to desired viewing angle



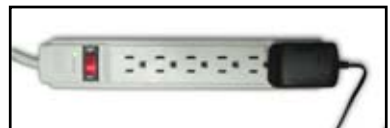
### Ensure the camera is secure



### Plug power adapter into Camera's cord



### Plug into Surge Protected power source



## PLUGGING IN RECEIVER

Once the receiver is connected to a power source it will automatically turn on and pair with the camera. If the camera and receiver do not automatically pair please see "PAIRING" Pg 14.

### **To plug receiver in:**

1. Make sure that the receiver is set up no more then 100ft from the camera. This is to ensure a strong signal between the camera and receiver.
2. Plug the receiver's power adapter (marked for receiver) into the receiver's power input area (marked "9V DC").
3. Plug the other end of the power adapter into a power source (surge protected power source recommended).
4. To view and hear the camera, you must connect the receiver to a monitor.

### **Plug adapter into 9VDC**



### **Plug into Surge Protected power source**



## PLUGGING RECEIVER INTO A MONITOR

The GX301 comes equipped with an audio/video cable that can be plugged into any monitor with an audio/video input. Once plugged in, you will be able to watch and hear live video, access and view the menu as well as watch playback footage from your SD card.

### **To plug receiver into Monitor:**

1. Plug single end of the A/V cable into A/V out area on back of receiver.
2. Plug the video jack (yellow) into the video input on your monitor and the audio jack (white) into the audio input on your monitor.
3. You may have to adjust the channels or video source input on your monitor to view the footage.
4. Once the proper channel is set, the footage from the camera will display on the monitor.

### **Plug A/V cable into A/V out on receiver**



### **Plug A/V cord into monitor**



## IR EXTENSION

The GX301 comes equipped with an IR extension. This IR extension is for the remote control, it allows for a better signal between the remote and receiver.

### To connect IR extension:

1. Plug the jack of the IR extension cord into the IR extension input on the back of your receiver.
2. Peel the paper off the two sided tape on the other end of the IR extension cord.
3. Place the sticky end of the IR extension cord to an area that will receive the best signal from the remote control.

### Plug IR extension in



## PAIRING

Pairing the camera and receiver will be necessary if the camera and receiver do not automatically pair or if you purchased a kit with additional cameras. A small pen or screwdriver is necessary to press the camera's pair button.

### To pair a camera and receiver:

1. On the receiver, press the menu button.
2. Using the arrow buttons, scroll to "Pairing" and press OK.
3. A list of camera channels will appear numbered Camera 1 – Camera 4. If you purchased additional cameras or if your kit came with additional cameras, you must use a different channel for each camera.
4. Select the camera channel you would like to pair your camera to and press OK.
5. A screen will appear counting back from 30 seconds.
6. Within that 30 seconds, use a pin or small screwdriver to press the pairing button on the back of the camera that you are pairing to the receiver.
7. The camera and receiver will then pair and you will see the camera's view appear on screen.
8. If you purchased additional cameras or your kit came with additional cameras repeat the above pairing steps using different camera channels for each additional camera.

### Select Camera



### 30 Seconds to pair



### Press pair button



## INSERTING SD CARD INTO RECEIVER

The GX301 comes equipped with a 2GB SD card. The SD card will be what the recorded footage is saved to. You are able to watch the recorded footage from the SD card through the receiver or through your computer using an SD card reader.

### To insert SD card:

1. Insert the SD card into the provided SD card slot on the front of the receiver.
2. Ensure that the SD card is inserted face down with the metal readers being inserted first.
3. Once inserted the [SD] icon will appear on the screen.
4. If the icon does not appear, ensure that the SD card was put in correctly and that the lock on the side of the SD card is not in the locked position.

Insert SD card



## LIVE VIEW

Once your receiver is plugged into a monitor and paired with a camera, you will see a live view of the screen. The screen can display the following information:



**Signal:**

Indicates the signal strength between the camera and monitor. The bars vary based on connectivity, one bar represents a low connectivity and four bars represents high connectivity



**SD Card:**

Indicates that there is a SD card inserted into receiver and that it is functioning properly



**No Signal:**

Indicates that there is no signal between the camera and receiver. The words NO SIGNAL will also appear on the screen



**Unplugged:**

Indicates that the receiver was recently unplugged from a power source. If a file name is displayed below this icon the receiver is indicating that there was lost footage when the receiver was unplugged



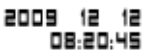
**Unwatched Footage:**

This icon indicates that you have unwatched footage on your receiver. If this icon is red it indicates that you have new footage and that your SD card is full. To get this icon to stop blinking you must access your recorded footage list. To access footage see "Playback" on Pg 24-27



**Camera:**

This indicates which camera you are viewing. For more information on camera views please see "Camera Viewing" on Pg 16



**Date/Time:**

Appears on "CAM1" only. This indicates the set date and time on your receiver. To adjust the date and time settings, see "Settings" on Pg 20



**Record:**

This icon indicates that you are recording footage. Recording will take place based on what recording mode is set. For more information about recording modes, please see "Recording" on Pg 16

**To manually switch through cameras:**

- Press the “manual” channel button

**To have the cameras sequence through automatically:**

- Press the “auto” channel button

**To view all paired cameras at once:**

- Press the quad button. When the quad button is pressed scheduled recording will not take place; however, motion record will. When the camera detects motion, the screen will appear in full screen mode and begin recording. Once recording is complete the screen will switch back to quad screen mode. To jump to a particular paired camera while in quad mode, select the camera number on the navigational buttons

**Note:** *Only one camera can record at a time. You cannot access the menu, adjust channels, manually record or view your playback list when in quad screen mode.*

# RECORDING

You can set your receiver to record manually, record all motion detected or record during a set schedule.

**To set your receiver to record manually:**

Press the manual record button. Pressing this button will prompt your receiver to constantly record. Pressing it again during recording will stop the recording. The “Manual Record” light will be lit up when manual record is on and turned off when it is stopped.

**To set your receiver to record all motion detected:**

Press the motion record button to have the receiver prompt recording whenever motion is detected. To turn off motion record, press the motion record button again. The “Motion Record” light will be lit when motion record is on and unlit when it is stopped.

**To set your receiver to record based on a schedule:**

The other record functions overtake the schedule record. As long as manual and motion are turned off and schedule record is turned on, your receiver will record during your set times. Therefore, to record based on your set schedule, ensure that all other recording modes (motion and manual) are stopped and that the schedule recording is turned on. Turning on manual or motion record will stop the schedule record

**Note:** *Make sure the correct date and time are set in the “setting” menu to ensure proper recording times for the schedule record. (See Page 21)*



**The main menu has the following options:**

- Camera On/Off menu
- Record menu
- Pairing menu
- Setting menu

### Menu Basics

- To access the main menu, press the menu button
- To navigate through the menu, use the navigation buttons
- To select anything within the main menu, press the OK button
- To exit the main menu, press the menu button again
- If the menu is opened and untouched for 30 seconds, it will close automatically
- You must be in single camera view to be able to access the main menu

### Main Menu



## CAMERA ON/OFF MENU

This menu option allows you to turn paired cameras on and off. When a camera is turned off, motion will not be detected, footage will not be recorded and the cameras live view will not appear on the monitor.

### To turn a camera on/off:

1. Press the menu button to open the main menu.
2. Use the navigational buttons to scroll to the "camera on/off" icon and press OK.
3. Scroll to the camera you would like to turn on/off.
4. Use the left and right arrow buttons to change the settings from on or off for each camera you would like to adjust.
  - When the word "ON" appears next to a camera that indicates that the camera is on, when the word "OFF" appears next to a camera that indicates that the camera is turned off
5. Once you have adjusted the cameras to your liking, press OK. This will exit the camera on/off menu and save your settings.
6. To exit the main menu, press the menu button.

### Camera Menu



## RECORD MENU

The record menu allows you to adjust the quality of your recorded footage, adjust the recording time when motion is detected, set and adjust a daily schedule, and turn on/off the overwrite functions.

### Record Menu



## QUALITY

You can adjust the quality of your recorded footage to be low quality (320x240) or high quality (640 x 480). Recording when set to low quality uses less space on your SD card, where recording with high quality uses more space.

### To adjust quality:

1. Press the menu button to open the main menu.
2. Use the navigational buttons to scroll to the "Record" icon and press OK.
3. Use the navigational buttons to scroll to "Quality" and press OK.
4. Use the left and right navigational buttons to highlight the quality you would like.
5. Once the quality you would like is highlighted, press OK. This will exit the quality adjustment menu and save your settings.
6. To exit the menu, press the menu button.

### Quality Adjust



## TRIGGER RECORD

Trigger record allows you to adjust how long your camera records after motion is detected. You have the option of 5 seconds, 15 seconds and 30 seconds.

### To adjust trigger record:

1. Press the menu button to open the main menu.
2. Use the navigational buttons to scroll to the "Record" icon and press OK.
3. Use the navigational buttons to scroll to "Trigger Record" and press OK.
4. Use the navigational buttons to scroll to and highlight the time you would like to set your trigger record settings to, press OK. This will exit the trigger record menu and save your settings.
5. To exit the menu, press the menu button.

### Trigger Record



## SCHEDULE RECORD

You can set your receiver to record during a scheduled time. You are able to adjust the schedule to record daily based on a 24hr. schedule. This is good if you are away from home during a portion of the day and you don't want to miss anything that may happen while you are away.

### To set the schedule record:

1. Press the menu button to open the main menu.
2. Use the navigational buttons to scroll to the "Record" icon and press OK.
3. Use the navigational buttons to scroll to "Schedule Record" and press OK.
4. Adjust the start time and stop time to your liking.
  - Use the left and right navigational buttons to scroll to the time you would like to adjust and use the up and down navigational buttons to adjust the hour and/or minutes within that time.
5. Once your times are set to your liking, use the left navigational button to scroll to the ON icon and press OK.
6. Your schedule will now be turned on to record during your set times.
7. To turn the schedule off scroll to the OFF icon and select OK.
8. Once OK is selected (from turning schedule on or off), you will exit the schedule record menu and save your settings.
9. To exit the menu, press the menu button.

### Schedule Record



**Note:** In order for schedule recording to take place, all other recording modes must be turned off.

## OVERWRITE

You have the option to record over old footage once your SD card is full; this is so your device will always record when prompted. The device will record new footage over the oldest footage. If you choose not to have your device overwrite saved footage, the device will stop recording once the SD card is full.

### To turn on/off Overwrite:

1. Press the menu button to open the main menu.
2. Use the navigational buttons to scroll to the "Record" icon and press OK.
3. Use the navigational buttons to scroll to "Overwrite" and press OK.
4. Use the up and down arrow buttons to scroll to "Yes" or "No". Yes will turn the overwrite function on and no will turn the overwrite function off.
5. Once you have highlighted which overwrite function you would like, press OK. This will exit the overwrite menu and save your settings.
6. To exit the menu, press the menu button.

### Overwrite Option



## PAIRING

Pairing the camera and receiver will be necessary if the camera and receiver do not automatically pair or if you purchased a kit with additional cameras. For information on how to pair a camera to the receiver please see "PAIRING" on Pg. 14.

## SETTINGS

*The settings menu allows you to do the following:*

- Adjust the date and time
- Adjust brightness
- Change the video standard (AV out)
- Format your SD card
- Adjust the camera zoom
- Restore factory default settings

### Settings Menu



## DATE AND TIME

You are able to adjust the date and time on your receiver. The years range from 2000-2099 and the clock is based on a 24hr clock.

### **To adjust the date and time:**

1. Press the menu button to open the main menu.
2. Use the navigational buttons to scroll to the "Settings" icon and press OK.
3. Use the navigational buttons to scroll to "Date and Time" and press OK.
4. The date is in the format of YYYY/MM/DD.
5. Use the left and right navigational buttons to scroll to the date/time you would like to adjust and use the up and down navigational buttons to adjust the numbers within that time.
6. Once you have set the proper date and time press OK, this will exit the date and time menu and save your settings.
7. To exit the menu, press the menu button.

### **Set Date and Time**



## BRIGHTNESS

You are able to adjust the brightness of the video you are viewing. Brightness should be adjusted based on the type of lighting around the camera.

### **To adjust brightness:**

1. Press the menu button to open the main menu.
2. Use the navigational buttons to scroll to the "Settings" icon and press OK.
3. Use the navigational buttons to scroll to "Brightness" and press OK.
4. There are six brightness levels, use the left and right navigational buttons to turn the brightness up or down.
5. Its best to turn the brightness up if the camera is positioned in a dark area and turn the brightness down if the camera is positioned in an area with a lot of light.
6. Once you have adjusted the brightness to your liking press OK, this will exit the brightness menu and save your settings.
7. To exit the menu, press the menu button.

### **Brightness Adjustment**



## AV OUT

The AV out menu represents the video standard NTSC and PAL are the two most common types of video standards in the world, adjusting this will effect video output. North America uses the NTSC video standard. Therefore, if you are living in North America, leave this setting set to NTSC.

### To adjust the AV out:

1. Press the menu button to open the main menu.
2. Use the navigational buttons to scroll to the "Settings" icon and press OK.
3. Use the up or down navigational buttons to scroll to "AV Out" and press OK.
4. Use the navigational buttons scroll to which video standard you would like to use and press OK. (Default is NTSC)
5. Pressing OK will exit the "AV Out" menu and save your settings.
6. To exit the menu, press the menu button.

### AV Out



## FORMAT THE SD CARD

Formatting your SD card will erase all recorded footage and data from the SD card inserted into the receiver. Be sure to back up any important footage you would like to keep before formatting the SD card.

### To format the SD card:

1. Press the menu button to open the main menu.
2. Use the navigational buttons to scroll to the "Settings" icon and press OK.
3. Use the navigational buttons to scroll to "Format" and press OK.
4. A prompt screen will appear informing you that all the data will be deleted.
5. To format the SD card, use the navigational buttons to scroll to "Yes" and press OK.
6. To cancel and return to the settings menu, use the navigational buttons to scroll to "No" and press OK.
7. Pressing OK for either option will exit the format menu and save your settings.
8. To exit the menu, press the menu button.

### Format SD card



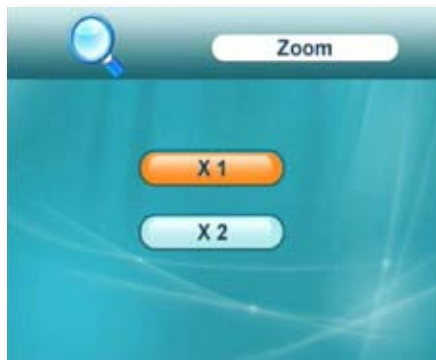
## DIGITAL ZOOM

You have the option to zoom the picture in x2. This is good if you are trying to monitor something that is situated far away or if you would like to get a better look at something you are monitoring.

### To adjust the image zoom:

1. Press the menu button to open the main menu.
2. Use the navigational buttons to scroll to the "Settings" icon and press OK.
3. Use the navigational buttons to scroll to "Zoom" and press OK.
4. Use the navigational buttons to scroll to the zoom setting you prefer. (1x is normal picture and x2 is zoomed in).
5. Once you have selected the zoom setting you would like press OK. This will exit the zoom menu and save your settings.
6. To exit the menu, press the menu button.

### Zoom In/Out



**Note:** Adjusting zoom to x2 changes the video quality to 320x240.

## DEFAULT

This option allows you to restore all of the receiver's default settings. Footage will not be deleted but, all settings except date and time will be restored to default levels.

### To adjust to default settings:

1. Press the menu button to open the main menu.
2. Use the navigational buttons to scroll to the "Settings" icon and press OK.
3. Use the navigational buttons to scroll to "Default" and press OK.
4. A screen will appear asking if you would like to restore the default settings. Use the navigational buttons to scroll to "Yes" to restore the default settings or "No" to keep your current settings.
5. Once you have selected whether you would like to restore the default settings or not, press OK. This will exit the default menu and save your settings.
6. To exit the menu, press the menu button.

### Restore Default



You can playback recorded footage that is saved on your SD card through the receiver as well as backup and play recorded footage through a computer equipped with a SD card reader.

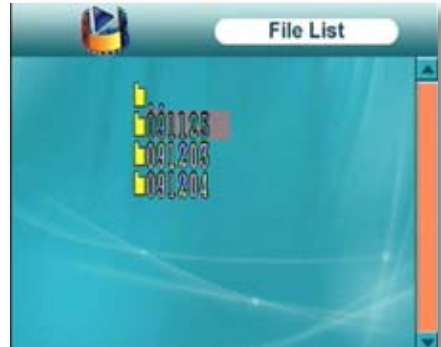
## WATCHING RECORDED FOOTAGE ON RECEIVER

1. To open up your recorded footage list, ensure that you are in live view mode and select the OK button.
2. You will see the main files that are saved on your SD card, use the navigational buttons and scroll to the file named "VIDEO" and press OK.
3. The event list will then appear with the footage organized into dates (YYMMDD). The oldest footage will be at the top of the list and the most recent footage will be last.
4. Use the navigational buttons to scroll to the date you would like to watch the footage from and press OK.
5. The footage recorded on the selected dates will appear organized by time. The oldest footage will be at the top of the list and the most recent footage will be last. The times are based on a 24hr clock setting. (Format: HHMMSS)
6. To view footage from a particular time, use the navigational buttons and scroll to the time you would like to view and press OK.
7. The footage will then begin to play with the date and time the footage was recorded displaying in the bottom right corner of the screen.

### Video File



### Video Dates



### Playback Screen



### Video Times





## PLAYBACK BUTTONS



### Up Arrow/Pause/Play:

Pressing this button will pause the footage and pressing it while the footage is paused, rewinding, fast forwarding or stopped will play the recorded footage again



### Left Arrow/Rewind:

Pressing this button will rewind the recorded footage. The more times you press the button the faster the footage will rewind. (x2, x4, and x8). To stop rewinding, press the pause/play button



### Right Arrow/Fast forward:

Pressing this button will fast forward the recorded footage. The more times you press the button the faster the footage will fast forward. (x2, x4, x8, x16, x32, x64) To stop fast forwarding, press the pause/play button



### Down Arrow/Stop:

Pressing this button will stop the recorded footage. Pressing the pause/play button will resume playback from the beginning of the clip

## DELETE

Your receiver gives you the option to delete individual clips of recorded footage from your SD card.

1. To open up your recorded footage list, ensure that you are in live view and select the OK button.
2. You will see the main files that are saved on your SD card, use the navigational buttons and scroll to the file named "VIDEO" and press OK.
3. The event list will then appear with the footage organized into dates (year/month/day). The oldest footage will be at the top of the list and the most recent footage will be last.
4. Use the navigational buttons to scroll to the date you would like to delete the footage from, once the desired date is highlighted, press OK.
5. The footage recorded on the selected dates will appear organized by time. The oldest footage will be at the top of the list and the most recent footage will be last. The times are based on a 24hr clock setting. (Format: HHMMSS)
6. Highlight the footage that you would like to delete and select the "Delete" button.
7. A prompt screen will appear asking if you would like to delete the recorded footage. Use the navigational buttons to highlight yes and press the OK button. The footage will then delete and you will return back to the file list.

## COMPUTER PLAYBACK

The removable SD card allows you to open, save and play recorded files from your GX301 on your computer. All you need is a SD compatible card reader and a media player that supports .avi files.

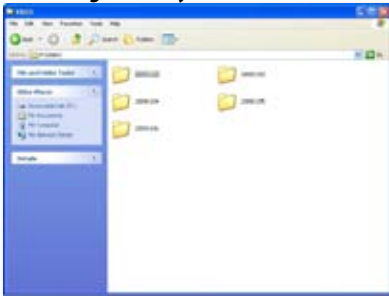
### Insert SD card into your card reader



### Open folder to view files



### Videos organized by date



### Windows Media Player



### To watch recorded footage on your computer:

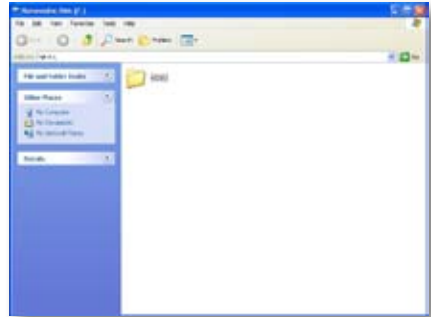
1. Lightly push the SD card on the front of the receiver to unlock it from its position and then remove it from the SD slot.
2. Insert the SD card into your card reader on your computer.
3. Select the option to open the folder to view the files.
4. Open the folder called "VIDEO."
5. The footage is organized by the date it was recorded, double click the day you would like to view footage from.
6. The footage is then organized by the times it was recorded, if your default player is Windows Media Player, double click the footage and it will open and play through Windows Media Player.
7. If your default player is NOT Windows Media Player, you can also use any other default media player that can view .avi files. As .avi files are very common, most video players will be able to play the recorded footage.
8. The footage will play with the date and time that the footage was recorded displayed in the bottom right corner or the screen.
9. For information on the playback controls for your selected media player, see the player's user manual.

## BACKING FOOTAGE UP ON A COMPUTER

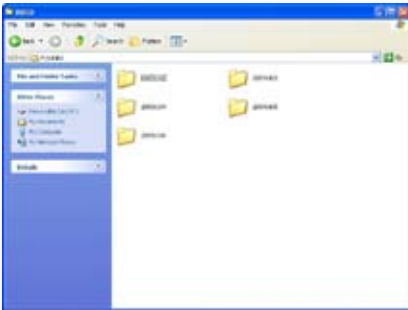
### Open folder to view files



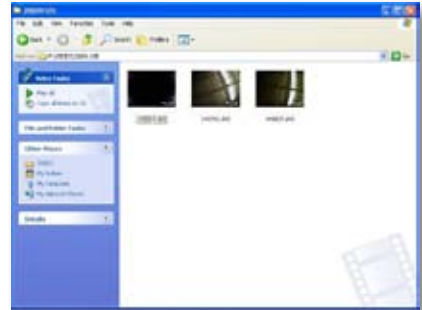
### Open video folder



### Videos organized by date



### Footage organized by time



### To save recorded footage on your computer:

1. Lightly push the SD card on the front of the receiver to unlock it from its position and then remove it from the SD slot.
2. Insert the SD card into your card reader.
3. Open folder to view the files.
4. Open the folder called "VIDEO."
5. The footage is organized by date it was recorded, double click the day you would like to save footage from.
6. The footage is organized by the times it was recorded, right click the footage you would like to save and select "Copy".
7. On your computer, locate the area or folder that you would like to save the footage to, then right click and select "Paste".
8. The footage will then be saved to that particular location on your computer.

<b>No Picture/Signal</b>	<ul style="list-style-type: none"> <li>• Make sure all the connections are secure and properly connected</li> <li>• Make sure your receiver is plugged into a power source from the 9VDC input on the back</li> <li>• Make sure there is nothing obstructing the view of the camera</li> <li>• Try re-pairing the camera and receiver</li> </ul>
<b>Picture too Bright/Dark</b>	<ul style="list-style-type: none"> <li>• The night vision comes on automatically when the light levels drop; try the camera in a pitch black setting. The area that the camera is in may get too much light to activate the sensor</li> <li>• Try adjusting the brightness settings on your receiver</li> </ul>
<b>No Audio</b>	<ul style="list-style-type: none"> <li>• Make sure nothing is interfering with the microphone on the camera</li> <li>• Make sure whatever you are trying to hear is close enough to the microphone on the camera</li> <li>• Disconnect and reconnect the wires from the camera and the receiver to make sure they are secure</li> <li>• Try re-pairing the camera and receiver</li> <li>• Try adjusting the volume on the monitor that the receiver is plugged into</li> <li>• Ensure that the camera volume is turned up using the remote</li> <li>• Ensure that the AV cord is connected to the proper connections on the receiver and on the monitor that the receiver is connected to</li> </ul>
<b>Buttons are not working</b>	<ul style="list-style-type: none"> <li>• The buttons do not work in quad screen mode, ensure you are viewing full screen</li> <li>• Make sure the button lock function (on the front of the receiver) is not switched on</li> </ul>
<b>Devices are not pairing</b>	<ul style="list-style-type: none"> <li>• Ensure that the camera and receiver are within 100ft of each other</li> <li>• Try moving the devices closer together, sometimes walls/other obstructions can get in the way of the camera and receiver's signal</li> <li>• Ensure that both devices are connected to a proper power source</li> </ul>
<b>Night Vision not Working</b>	<ul style="list-style-type: none"> <li>• The night vision comes on automatically when the light levels drop; try the camera in a pitch black setting. The area that the camera is in may get too much light to activate the sensor</li> </ul>
<b>Monitor is reading "No Signal"</b>	<ul style="list-style-type: none"> <li>• Try re-pairing the camera and receiver</li> <li>• Make sure there is nothing obstructing the view of the camera</li> <li>• Make sure the camera and receiver are within 100 ft from one another</li> </ul>
<b>Footage not recording</b>	<ul style="list-style-type: none"> <li>• Adjust what recording setting you are set to</li> <li>• Make sure SD card is completely in the receiver</li> <li>• Make sure SD card is not full and that overwrite function is turned on</li> <li>• Make sure SD card is not locked by adjusting the tab on the side of the card</li> </ul>
<b>Remote not working</b>	<ul style="list-style-type: none"> <li>• Ensure that the remote control has batteries inserted into it and that those batteries are not dead</li> <li>• Try plugging the IR sensor in</li> <li>• Try using the remote control closer to the receiver</li> </ul>

<b>My Unit has Scrolling horizontal lines</b>	<ul style="list-style-type: none"> <li>Ensure that the device is set to NTSC. For more information please see "AV OUT" on Pg. 22</li> </ul>
<b>Schedule record is not working</b>	<ul style="list-style-type: none"> <li>Ensure that both manual and motion record modes are turned OFF for schedule record to take place</li> </ul>

## SPECIFICATIONS




### CAMERA

Image sensor.....	1/4" CMOS Color
Outdoor use .....	Yes
IP Rating .....	IP56
Maximum Wireless Range (Line of Sight).....	300ft
Optimum Wireless Range (Line of Sight).....	100ft
Wireless Frequency .....	2400~2483.5Mhz
Wireless Channel Frequencies .....	Hopping frequency
Resolution.....	360 TV Lines
Night Vision.....	Yes
Number of IR LEDs and Range.....	18, up to 40ft
IR LED control.....	Automatic (CDS Sensor)
IR Cut Filter.....	Yes
Min. Illumination .....	0 lux
Viewing Angle.....	62 degree
TV System .....	NTSC
Focal Length.....	4.5mm
Focus Type.....	Fixed Focus
Optimal Focal Distance.....	20ft
Microphone.....	Yes
Motion Detection .....	Yes, triggers audio alarm
Sun Shield.....	Yes, not adjustable
Housing Material.....	Aluminum & ABS
Housing Color.....	Silver
Electronic shutter speed.....	1/60 ~ 1/15,000 sec
Signal/Noise Ratio.....	>48dB
Camera Bracket .....	Yes
Operating Temperature .....	14°F ~ 104°F
Operating Humidity .....	85%
Mounting Hardware.....	Included
Camera Power Input.....	9V DC 600mA
Power Adapter Input.....	AC 100~240 50/60 Hz
Dimensions .....	5.25" x 4.75" x 2" (With Stand)
Weight .....	0.75 lbs

## RECEIVER




Wireless Frequency .....	2400~2483.5Mhz
Channel Frequencies .....	Hopping Frequency
Number of Cameras Supported .....	4
Output Terminal .....	1/8th inch to RCA A/V output
Resolution .....	640x480 or 320x240
Speaker .....	Internal Buzzer
Maximum SD Card Size.....	32 GB
Compression .....	MPEG-4
File Type .....	AVI
Operation Mode .....	Simplex
Scheduled Recording .....	24 Hour clock
Automatic Overwrite when Full .....	Optional
Motion Activated Alert.....	Compatible
Post Motion Recording.....	5, 15, 30 seconds
Digital Zoom .....	1x , 2x
Auto-Scanning.....	Yes
Button Lock.....	Yes
Remote Control .....	IR
IR Remote Extension .....	6 ft
New Video Footage Notifier.....	Yes, LED
Viewing Modes .....	Single, Quad, Manual, Automatic
Recording Mode .....	Manual, Schedule
Adjustable Brightness .....	Yes
Video Output.....	PAL/NTSC
Operating Temperature .....	14°F ~ 120°F
Operating Humidity .....	85%
Housing Material.....	Aluminum and ABS Plastic
Housing Color.....	Silver and Black
Monitor Power Input.....	9V DC 600 mA
Power Adapter Input.....	AC 100~240 V 50/60Hz
Dimensions .....	4.25" x 3" x 0.75"
Weight .....	4 lbs

If you accidentally damage or lose any parts they can be replaced with ease. The following are parts that came with your system and their reference model numbers so you can continue to effectively monitor your premises.

PRODUCT	MODEL#	DESCRIPTION
		Power Adapters
		Audio/Video Cable
	<b>SOFTWARE/ MANUALS</b>	Your product software and manual are available for download at: <a href="http://www.SVAT.com/downloads.php">http://www.SVAT.com/downloads.php</a>

## ADDITIONAL ACCESSORIES

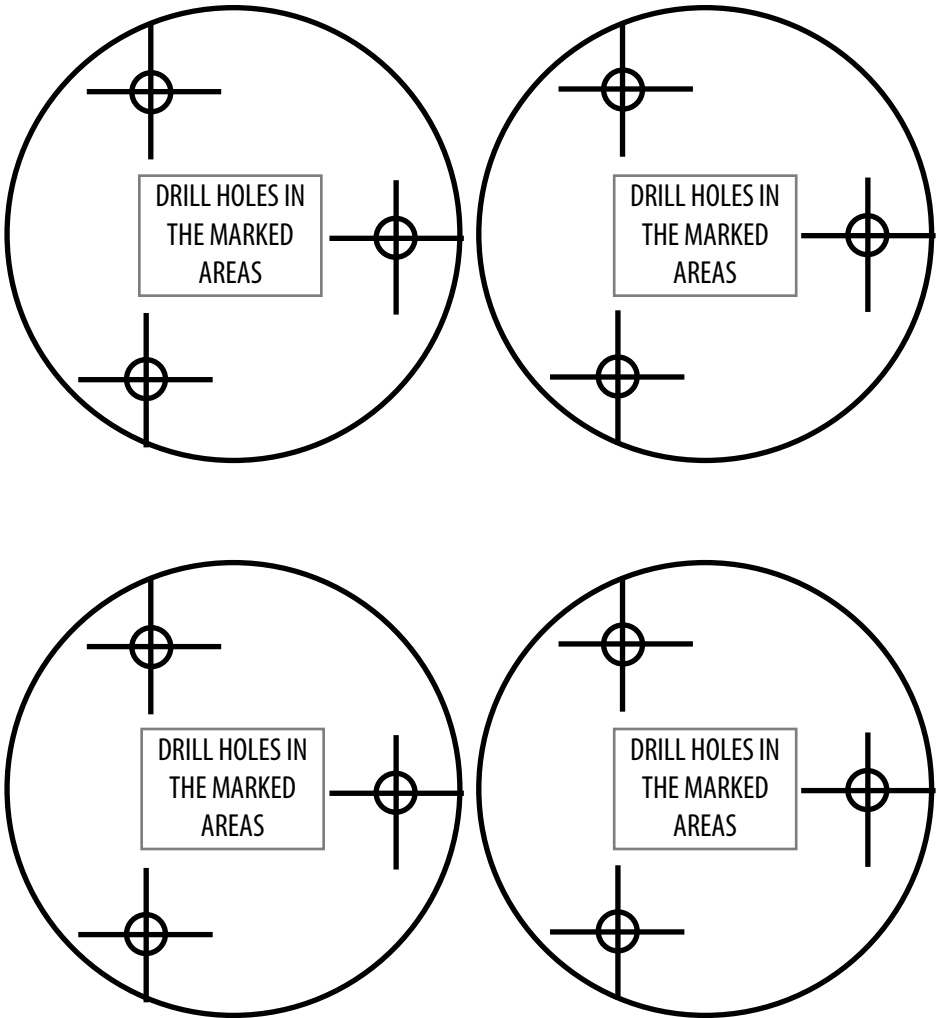
You may wish to add to your system and upgrade some components of it. Here are some items that can boost the effectiveness of your video security system.

PRODUCT	MODEL#	DESCRIPTION
	<b>GX301-C</b>	Expand your system to a maximum of four cameras to monitor more locations
	<b>VU100-ST</b>	Alert all potential criminals of your security system and help deter crime with a window sticker
	<b>SGN100</b>	Alert all potential criminals of your security system and help deter crime with this durable aluminum sign

For more information on additional accessories, parts and much more, please visit:

**[www.svat.com](http://www.svat.com)**

Cut along the dotted line for a drilling template.







# VISIT US ON THE WEB!

- ▶ Product Information
- ▶ User Manuals
- ▶ Additional Accessories
- ▶ Specification Sheets
- ▶ Software Updates
- ▶ Firmware Upgrades

**[www.SVAT.com](http://www.SVAT.com)**

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**Model#:**  
**GX301**  
**[www.SVAT.com](http://www.SVAT.com)**