

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

REV 15f



4-Channel Wireless Surveillance System



Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com

ITEM 62368


When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.






⚠ WARNING

**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**







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WARNING SYMBOLS AND DEFINITIONS

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
	Addresses practices not related to personal injury.

Symbology

	Double Insulated		Volts
	Canadian Standards Association		Alternating Current
	Underwriters Laboratories, Inc.		Amperes

IMPORTANT SAFETY INFORMATION

WARNING

Read all safety warnings and instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

Installation Precautions

1. **Check federal, state and local surveillance laws before installing video and/or audio surveillance equipment.**
2. Install only according to these instructions. Improper installation can create hazards.
3. **Do not overreach when installing this product. Keep proper footing and balance at all times.**
This enables better control in unexpected situations.
4. Wear ANSI-approved safety goggles during installation.
5. Keep installation area clean and well lit.
6. Keep children and bystanders out of the area during installation.
7. Do not install when tired or when under the influence of alcohol, drugs or medication.

Use Precautions

1. This product is not a toy. Do not allow children to play with or near this item.
2. Use as intended only.
3. Do not modify.
4. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

Electrical Safety

1. **Power Adapter plug must match the outlet. Never modify the plug in any way.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
2. **Do not expose Receiver to rain or wet conditions.** *Water entering the Receiver will increase the risk of electric shock.*
3. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the Receiver. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*

Service

Have your Surveillance equipment serviced by a qualified repair person using only identical replacement parts.

This will ensure that the safety of the equipment is maintained.

Camera Safety Warnings

1. To prevent electric shock, do not attempt to disassemble Cameras. There are no serviceable parts inside.
2. Use supplied Power Adapters only.
3. **Do not expose the Power Adapters to rain or wet conditions.** *Water entering the Power Adapters will increase the risk of electric shock.*
4. **Do not abuse the Power Adapter cords. Never use the cords for unplugging the plug from the outlet. Keep cords away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
5. Handle Cameras with care. Cameras could be damaged by improper handling or storage.

Receiver Safety Warnings

SAFETY

1. Maintain adequate airflow around Receiver.
2. Use supplied Power Adapter only.
3. **Do not expose the Power Adapter or Receiver to rain or wet conditions.** *Water entering the Power Adapter or Receiver will increase the risk of electric shock.*
4. **Do not abuse the Power Adapter cord. Never use the cord for unplugging the plug from the outlet. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
5. Maintain labels and nameplates on the unit. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
6. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
7. **WARNING:** The cord of this product contains lead and/or di (2-ethylhexyl) phthalate (DEHP), chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, *et seq.*)
8. **WARNING:** This product contains or, when used, produces a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. (California Health & Safety Code § 25249.5, *et seq.*)
9. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

SETTINGS



SAVE THESE INSTRUCTIONS.

OPERATION

Grounding

⚠ WARNING



TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION:

Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the Power Adapter plugs provided. Do not use the equipment if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

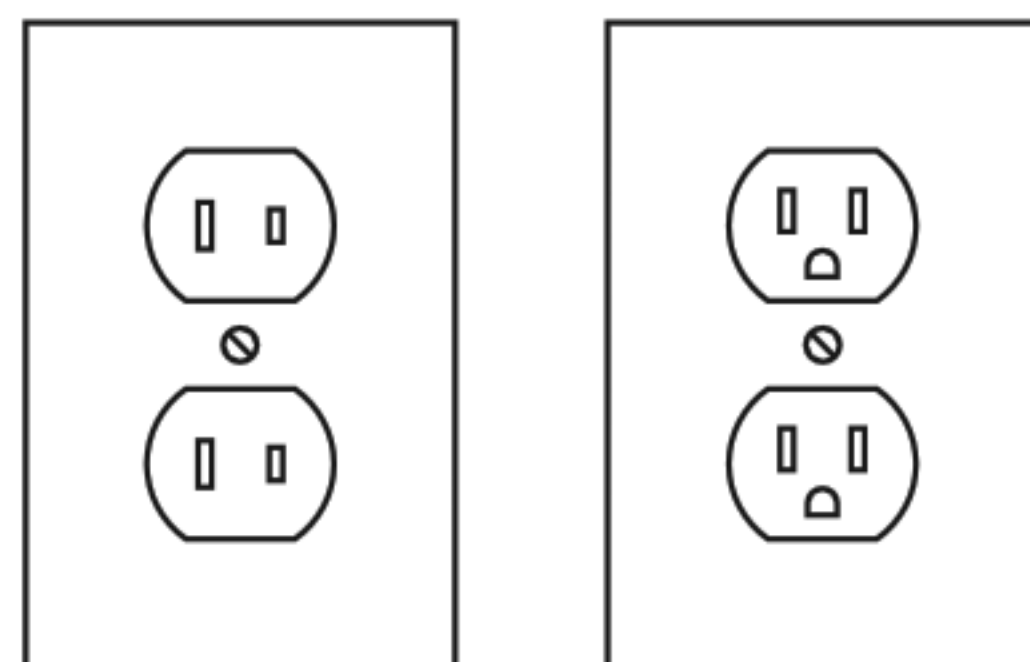


Figure A

1. The included Power Adapters do not require grounding.
2. The Power Adapters may be used in either of the 120 volt outlets shown in the preceding illustration. **(See Figure A.)**

NETWORK

Extension Cords

Note: Do not use extension cords with the Power Adapters.

Specifications

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Receiver	
Screen	7" 4-Channel Color LCD
Video Standard	NTSC / PAL
Modulation	GFSK
Data Rate	2 Mbps
Resolution	10fps @ 640 x 480
	25fps @ 320 x 240
Audio	Built-in Microphone Speaker
Recording	Scheduled Manual Motion Detection
Power Rating	5VDC / 2A
Operating Temperature	14° - 104°F
Camera Capacity	4
Memory	SD Card (not included)

Cameras	
Lens	1/4" VGA CMOS
Effective Pixels	640H x 480V
Night Vision Type	Infrared LEDs with Low Light Sensor
Image Type	Daylight: Color
	Infrared: Black & White
Infrared Wavelength	850nm
Audio	Built-in Microphone Speaker
Wireless Range	180 ft (indoors) 650 ft (outdoors)
Ingress Protection Rating	IP54 - Dustproof, Splashproof
Night Vision Range	40 ft
Audio/Video Connector	RCA
Power Rating	9VDC / 600 mA
Operating Temperature	14° - 122°F
Transmission Frequency	2.4 GHz

Set up - Before Use:



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Receiver Components and Controls

Back

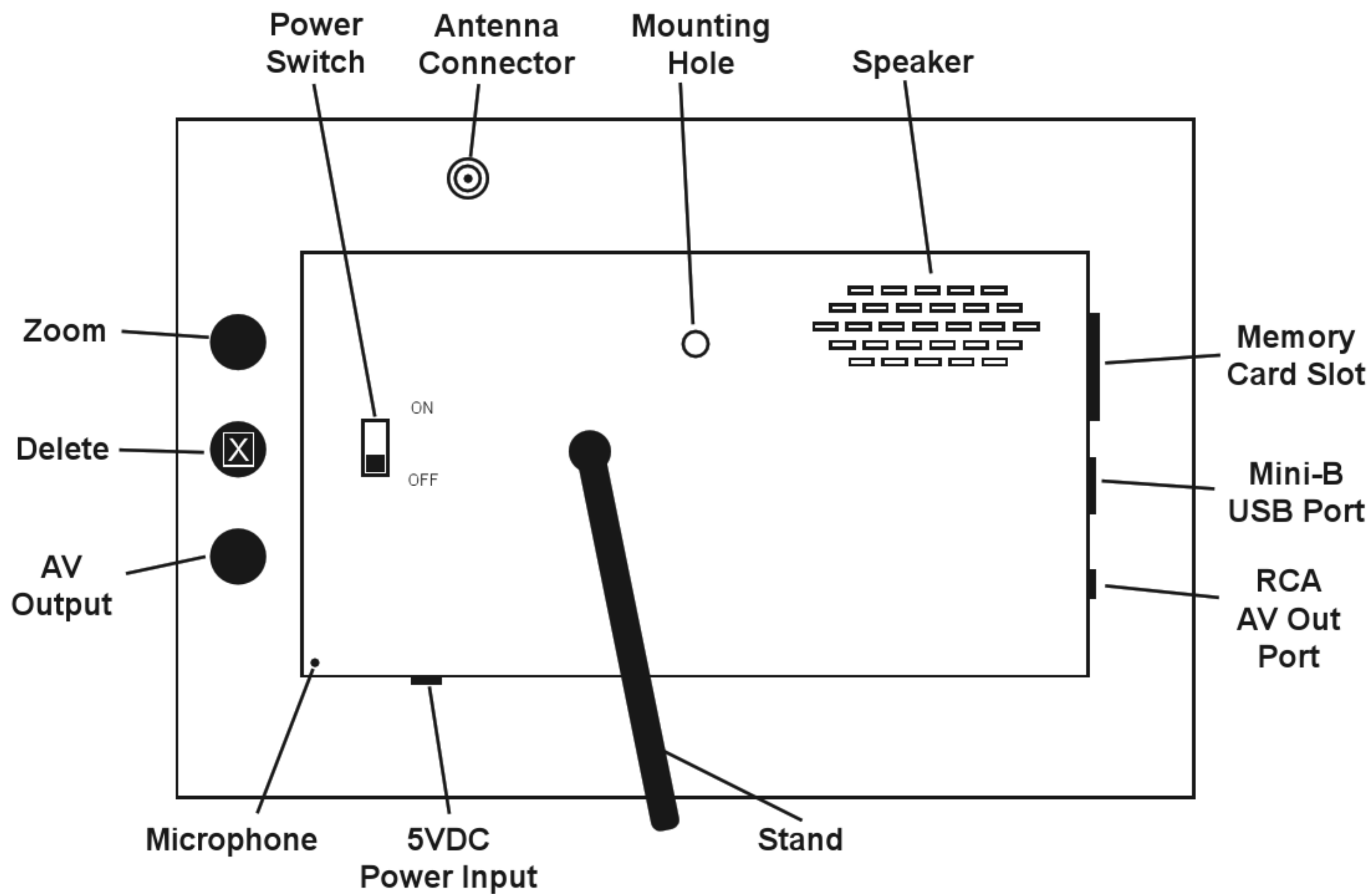


Figure B

Accessories

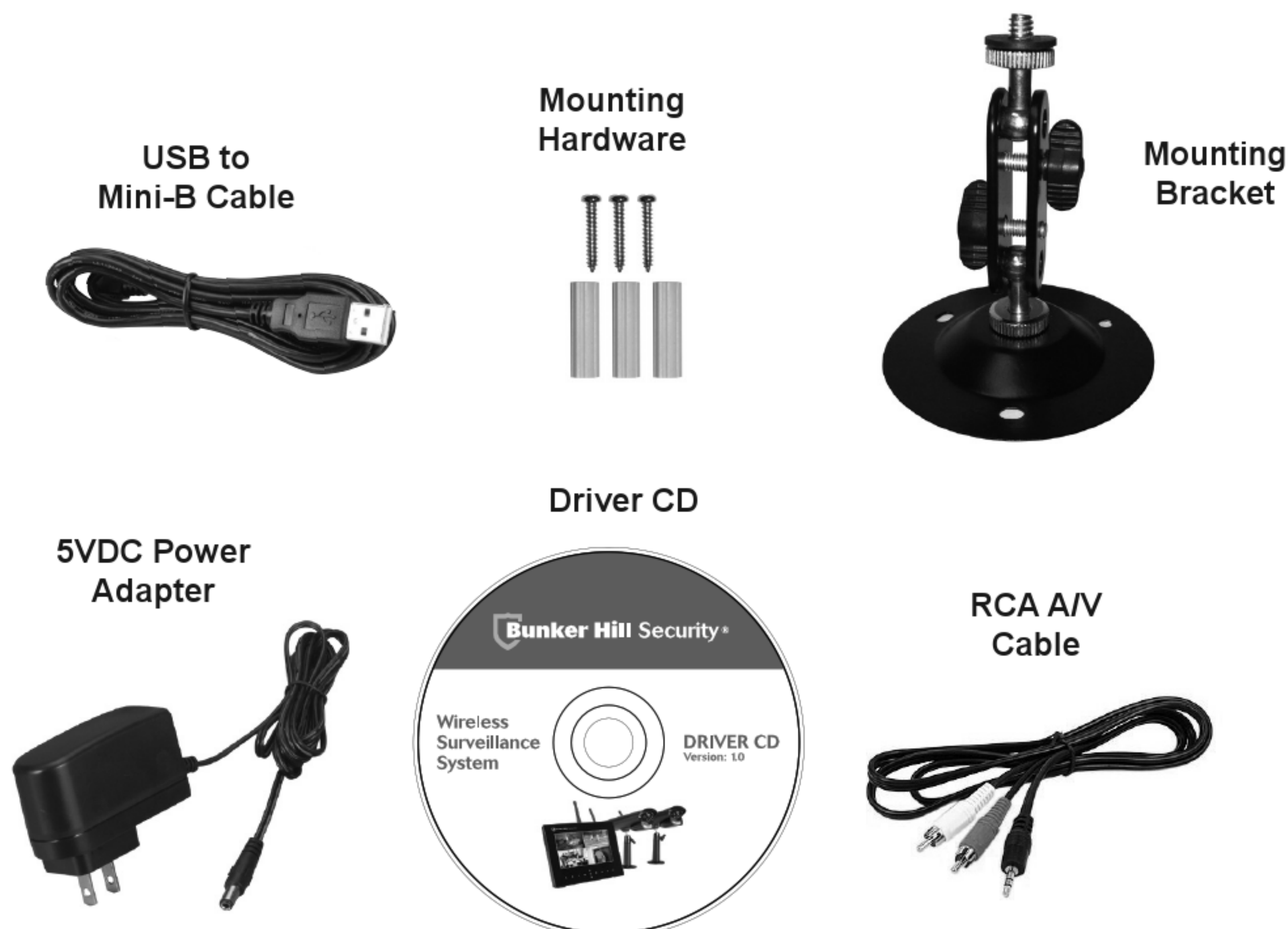


Figure C

Assembly

Thread the Antenna into the Antenna Connector on the back of the Receiver.

Before Mounting

When planning Receiver location:

1. Verify that installation surface has no hidden utility lines before drilling or driving screws.
2. Select a clean, dry location indoors with a 120V outlet nearby.
3. Take into consideration the length of the Power Adapter's cord.
4. Make sure the location will remain within the Receiver's Operating Temperature.

CAUTION! Route the cord so as to avoid a tripping hazard.

Tabletop Mounting

Place Receiver on a flat, level surface. Adjust the Stand until desired position is achieved.

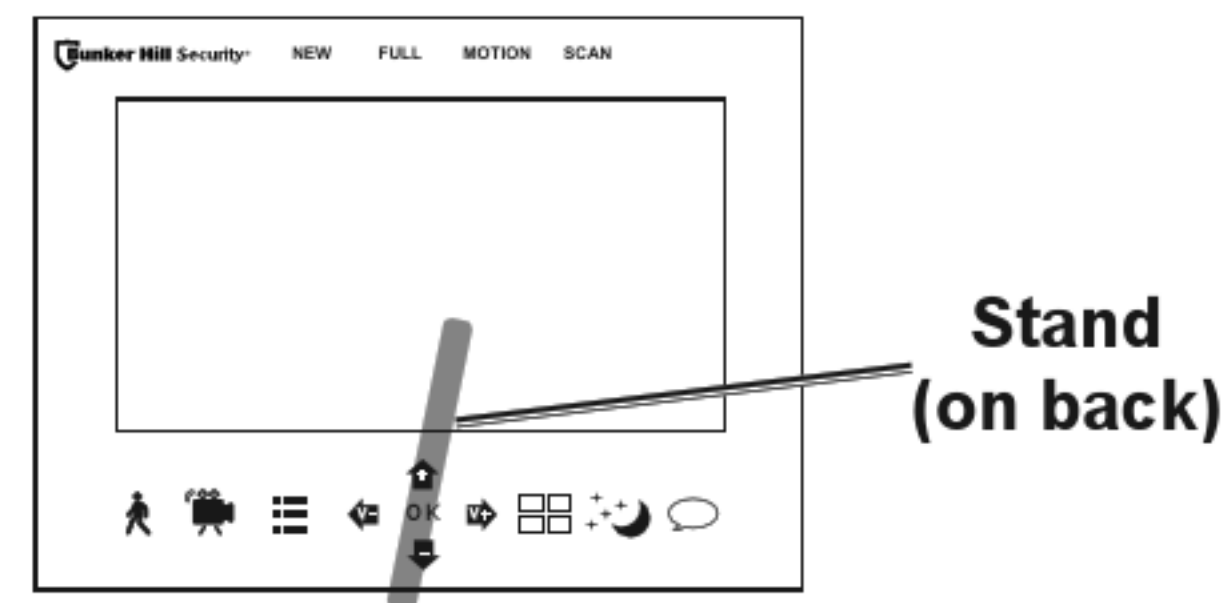


Figure D

Wall or Under Cabinet Mounting

Using the Base as a template, mark locations of mounting holes on mounting surface.

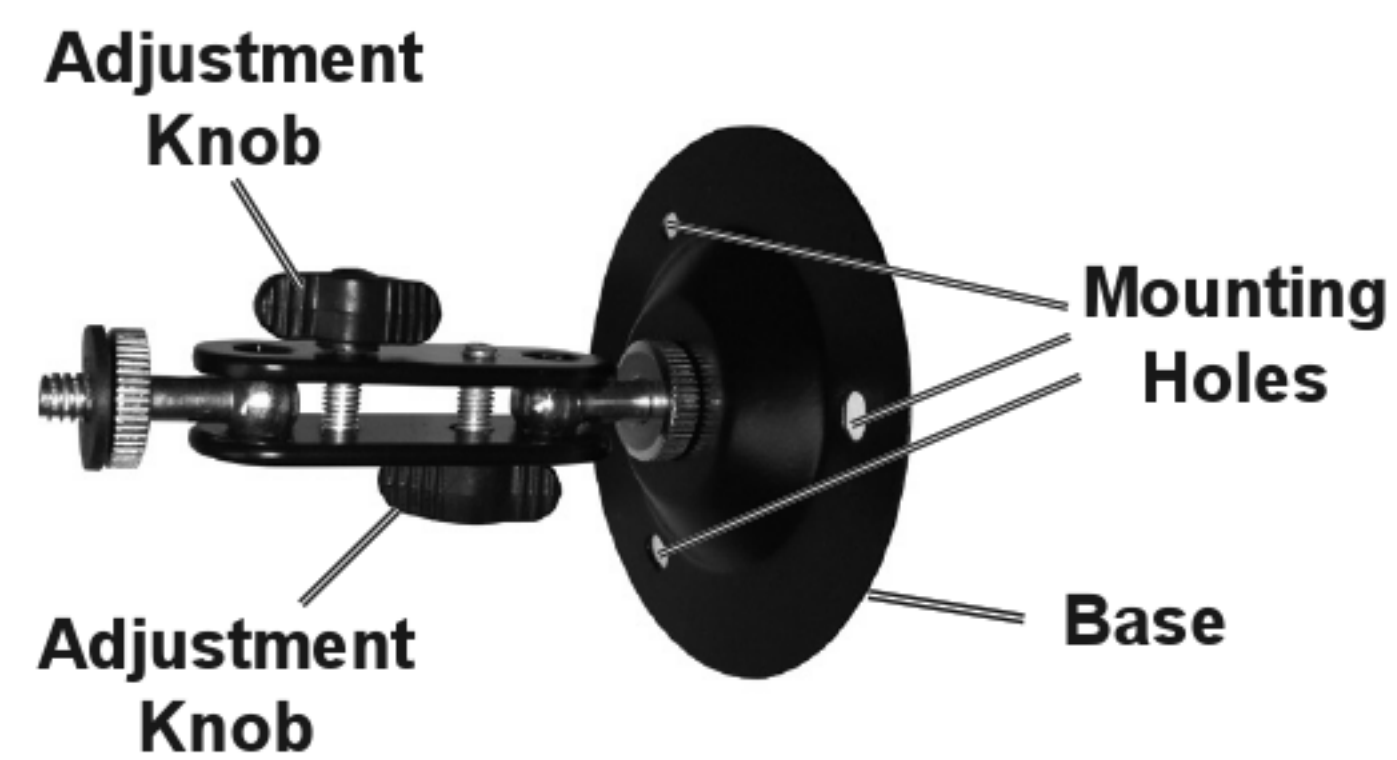


Figure E

Solid Surface

1. Using a drill bit slightly smaller than the Screws, drill pilot holes into the marked locations.
2. Position Mounting Bracket so that mounting holes align with pilot holes.
3. Drive Screws through mounting holes in Base and into pilot holes until the Mounting Bracket is securely attached to the mounting surface.
4. Attach Receiver to Mounting Bracket, then loosen Adjustment Knobs, adjust Receiver as needed, then tighten Adjustment Knobs.

Hollow Surface

1. Using a drill bit slightly smaller than the Anchors, drill holes in the marked locations.
2. Tap Anchors into the holes until they are almost flush with mounting surface.
3. Position Mounting Bracket so that Mounting Holes align with anchor holes.
4. Drive Screws through mounting holes in Base and into anchor holes until the Mounting Bracket is securely attached to the mounting surface.
5. Attach Receiver to Mounting Bracket, then loosen Adjustment Knobs, adjust Receiver as needed, then tighten Adjustment Knobs.

Connect Power

1. Connect the Power Adapter's cord to the back of the Receiver.
2. Plug the Power Adapter into a 120VAC outlet.
3. Turn the Power Switch to the **ON** position.

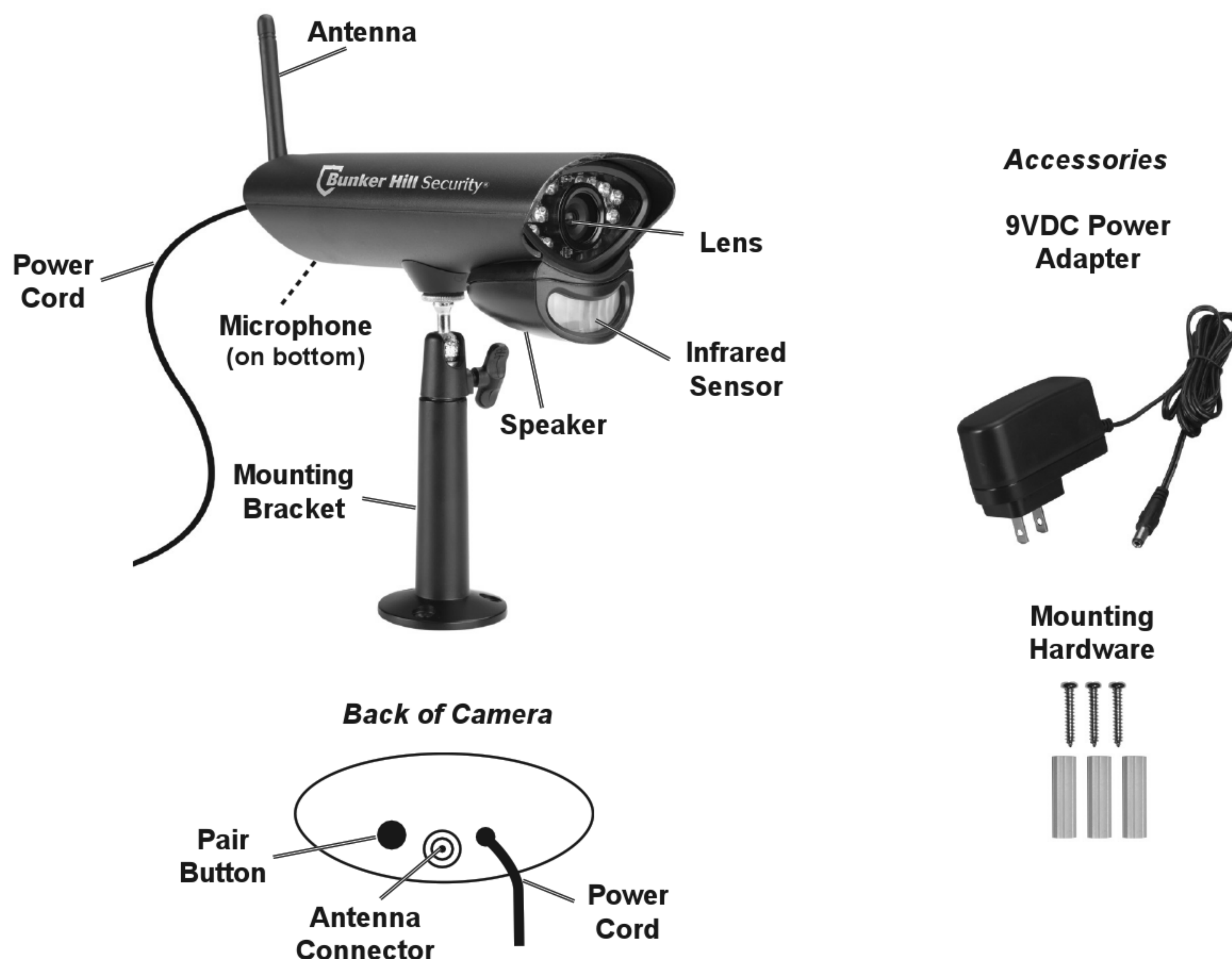
Camera Components and Controls

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Assembly

Thread the Antenna into the Antenna Connector on the back of the Camera.

Before Mounting

Note: The included Cameras are programmed to automatically connect to Channel 1 and Channel 2.

- When planning mounting location and angle:
 - Verify that installation surface has no hidden utility lines before drilling or driving screws.
 - Take into consideration the length of the Camera and Power Adapter's cords. Route the cords so as to avoid a tripping hazard.
 - Do not install where there are thick walls or other obstructions between the Camera and Receiver.
 - Select a location high enough so that it is out of reach of children, but still covers the desired viewing area.
 - Do not install the Camera facing out of a window.
 - Make sure no strong light will shine directly into Camera Lens.
 - Make sure location will remain within the Camera's Operating Temperature.
- Test each Camera's function in its intended location **before mounting**:
 - Connect the Power Adapter's cord to the Camera's Power cord.



Figure G

- Plug the Power Adapter into a 120VAC outlet.
- Verify that there is an image on the Receiver.

Note: If there is no image, pair the Camera to the Receiver according to **Pairing on page 11**.

- d. Check the Camera's signal strength.

Touch  to check Camera 1.


Note: Touch  again to check other Camera(s).



Figure H

3. **Low signal adjustment:**
 - a. Adjust the Camera and or/Receiver antenna(s).
 - b. Reposition the Camera and/or Receiver.
4. When the mounting location has been chosen:
 - a. Unplug the Power Adapter's cord from the Camera.
 - b. Remove the Camera from the Mounting Bracket.
 - c. Using the Base as a template, mark locations of mounting holes on mounting surface. **(See Figure I)**
5. Repeat all steps with the other Camera(s).

Mounting to Solid Surface

1. Using a drill bit slightly smaller than the Screws, drill pilot holes into the marked locations.
2. Position Mounting Bracket so that mounting holes align with pilot holes.
3. Drive Screws through mounting holes in Base and into pilot holes until the Mounting Bracket is securely attached to the mounting surface.
4. Remove protective film from the Lens.
5. Attach Camera to Mounting Bracket, loosen Adjustment Knob, adjust Camera as needed, then tighten Adjustment Knob. **(See Figure I)**

Mounting to Hollow Surface

1. Using a drill bit slightly smaller than the Anchors, drill holes in the marked locations.
2. Tap Anchors into the holes until they are almost flush with mounting surface.
3. Position Mounting Bracket so that Mounting Holes align with anchor holes.
4. Drive Screws through mounting holes in Base and into anchor holes until the Mounting Bracket is securely attached to the mounting surface.
5. Remove protective film from the Lens.
6. Attach Camera to Mounting Bracket, loosen Adjustment Knob, adjust Camera as needed, then tighten Adjustment Knob. **(See Figure I)**

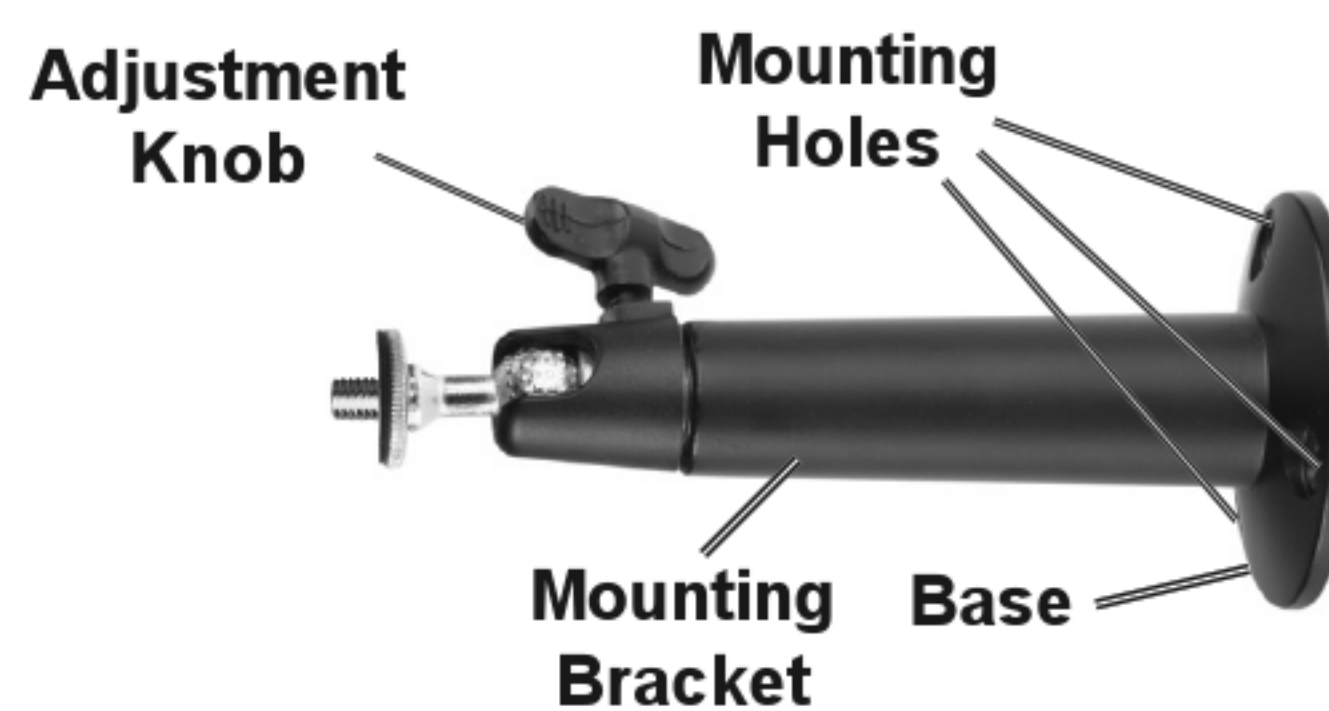
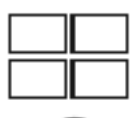
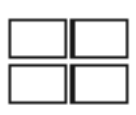




Figure I

Connect Power








1. Connect the Power Adapter's cord to the Camera's Power cord.
2. Plug the Power Adapter into a 120VAC outlet.

Viewing Modes



- **Camera Sequence** (Default mode) - Automatic cycling between Cameras.
Touch  to toggle between Camera Sequence and 4 Camera.
- **4 Camera** - View all Cameras at the same time.
Touch  to toggle between 4 Camera and Camera Sequence.
- **Single Camera** - View one Camera at a time.
Touch  to switch between Cameras.
- **Zoom** - Push the  button on the back of the Receiver to zoom in during Single Camera Viewing Mode only.
- **Screen Saver** - Mask Camera view with a blank screen or image(s).
See **Screen Saver on page 11**.

Set Up

Menus

- Touch  to view Menus.
- Touch   to navigate through Menus.
- Touch **OK** to access highlighted Menu.
- Touch     to navigate within Menus.
- Touch  at any time to cancel an action and/or go to the previous screen.

Menu > Recording

1. Insert an SD card to enable recording.  will display to indicate the card is functioning properly.
2. Touch  then select **Recording**.
3. **Quality:** Select **HIGH** (640 x 480) or **LOW** (320 x 240), then touch **OK**.
4. **Motion Record:**
 - a. **Duration:** Select the amount of time to record after motion has been detected, then touch **OK**.
 - b. **Recording Mode:** Select from below, then touch **OK**:
 - **4 Channel:** Record all channels when a single camera detects motion.
 - **Single Channel.** Record the channel for the Camera that detects motion.
5. **Schedule Record:**


Note: Date and time must be set before setting up Scheduled Recording. **See Date & Time on page 11.**

 - a. Select a day to schedule, then touch **OK**.
 - b. Enter **Start Time** and **End Time**, then select **ON**.

Note: Time is in 24 hour format.

 - c. Repeat steps for other days.

Note: For manual recording, see **Manual Recording on page 14**.
6. **Overwrite:**
 - a. Select **Yes** to overwrite previously recorded files when the SD card is full.

Note: After selecting **Yes**,  will display while in Auto Sequence mode.

 - b. Select **No** to keep all files.

Note: After selecting **No**, when the SD card is full, the Receiver will **stop** recording and the **FULL** indicator will display.

Menu > Camera On/Off

1. Touch  then select **Camera On/Off**.
2. Touch   to select a Camera.
3. To turn the Camera off, touch  to select **OFF**.
4. To turn the Camera on, touch  to select **On**.
5. Repeat steps for other Cameras.
6. Touch **OK** to save changes.



Menu > Settings

1. Touch then select **Settings**.
 2. **Date & Time:** Set date and time, then touch **OK**.
- Note:** Time is in 24 hour format.
3. **Video Output:** Select **NTSC**, then touch **OK**.
 4. **Format Memory:** Select **Yes** or **No**, then touch **OK**.

CAUTION: Touching **OK** while **Yes** is selected will erase all files from the Micro SD Card.



Menu > Detect

1. Touch then select **Detect**.
2. Select Camera, then touch **OK**.
3. Select **Sensitivity Settings**, then touch **OK**.
4. Repeat steps for other Cameras.



Menu > Brightness

To control the brightness of each Camera.

1. Touch to select a Camera.
2. Touch then select **Brightness**.
3. Touch to increase brightness.
Touch to decrease brightness, then touch **OK**.
4. Repeat steps for other Cameras.



Menu > Screen Saver

To conceal the fact that the Receiver is a Security System.

1. Touch then select **Screen Saver**.
2. Select **Blank Screen** for a blank screen or select **Photo Frame** to add your own image(s), then touch **OK**.
3. **Photo Frame:**
 - a. **Transition Timing:** Select the amount of time each image will display, then touch **OK**.
 - b. **Transition Options:** Select the way the images will transition, then touch **OK**.

Note: To add your own image(s), see **Using Screen Saver** on page 14.



Menu > Pairing

When adding Cameras, they will need to be programmed manually (paired) to work with the Receiver.

1. **Before installing Camera(s):**
 - a. Connect the Power Adapter's cord to the Camera's Power cord.
 - b. Plug the Power Adapter into a 120VAC outlet.
 - c. Determine which Channel is available to use.
 - d. Touch then select **Pairing**.
 - e. Select the Channel.
 - f. Press and release the Pair Button on the back of the Camera.
2. Install Camera(s) according to **Mounting on page 9**.

Connecting A/V Output

To view on another device, such as a television.

1. Connect black plug of RCA Cable into **AV Out** port on back of Receiver.
2. Connect white and yellow plugs into corresponding inputs on device.
3. Press and release to view on device.

Operating Instructions

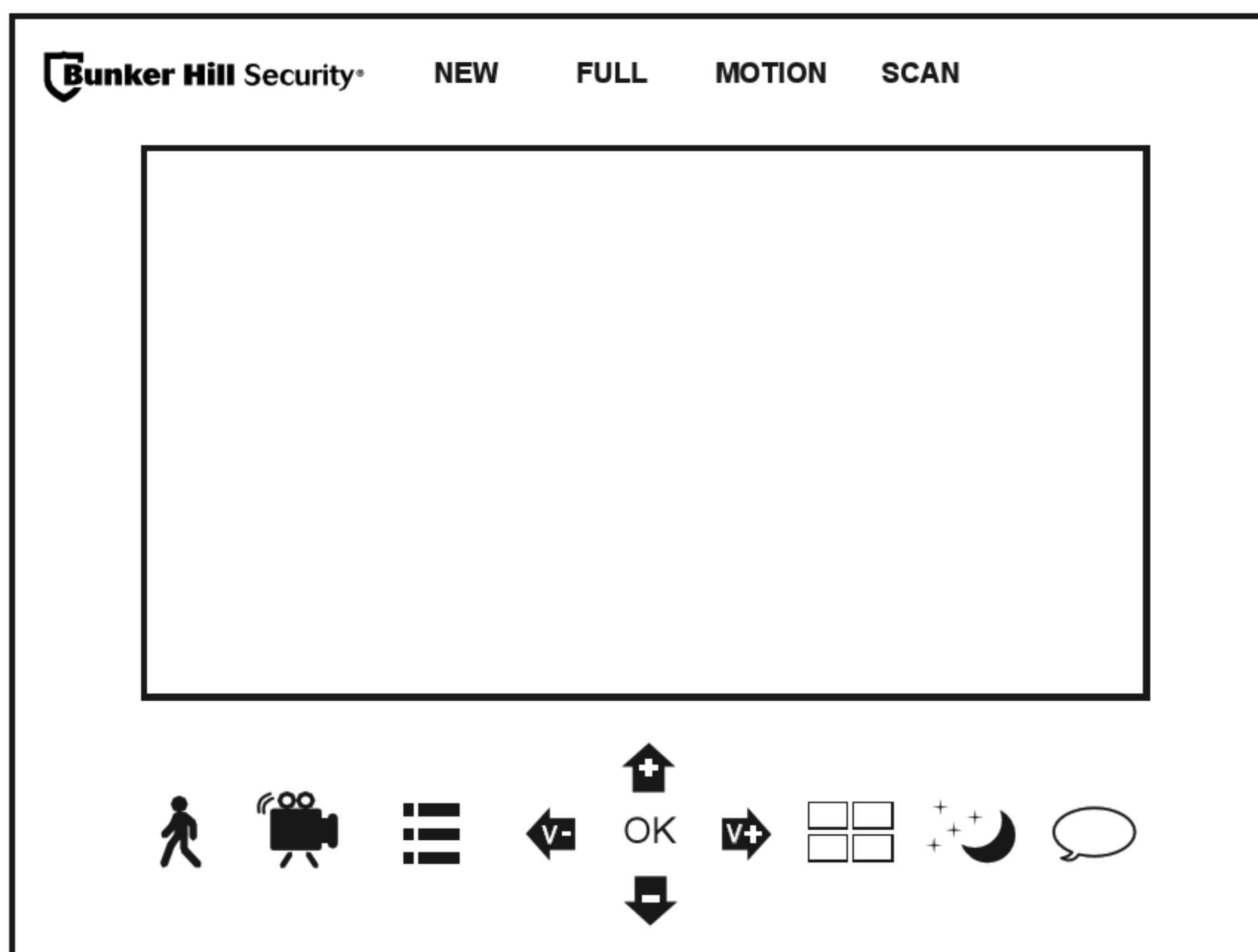


Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Receiver Functions

Indicators

NEW	New Recording	MOTION	Motion Detection Recording
FULL	SD Card Full (When Overwrite is set to NO)	SCAN	Screen Saver On



Icons

	Start/Stop Motion Recording		<ul style="list-style-type: none"> • Scroll Right in Menu • Increase Volume
	Start/Stop Manual Recording		<ul style="list-style-type: none"> • Channel Down • Scroll Down in Menu
	<ul style="list-style-type: none"> • Open Menus • Return to Previous Menu • Exit Menu 		Switch between Auto Sequence and 4-Channel View
	<ul style="list-style-type: none"> • Scroll Left in Menu • Decrease Volume 		Start/Stop Screen Saver
	<ul style="list-style-type: none"> • Channel Up • Scroll Up in Menu 		Activate Intercom
OK	<ul style="list-style-type: none"> • Confirm a Selection • View Recordings 		

Figure J

Display Functions



	Excellent Camera Signal
	Good Camera Signal
	Low Camera Signal
	No Camera Signal <ul style="list-style-type: none"> • Out of Range • No Camera Plugged In
	Current Camera Number
	New File Indicator (when flashing)
	SD Card Present When SD Card is full, icon will turn red.
	Volume off
	Overwrite Indicator <ul style="list-style-type: none"> • When Overwrite is set to Yes • Not visible in 4-Channel mode

	Intercom Activated
	Power Failure Indicator <ul style="list-style-type: none"> • Power failure has occurred during recording. • When power returns, Receiver will restart in Auto Sequence mode and Motion Recording. • Up to 10 minutes of recording may not be saved.
	Recording in Progress
	Intercom and AV Out Volume
	Date and Time Stamp Time is in 24 hour format.
	Recording File Name 1 = Camera Number 13 = Hour 08 = Minutes 36 = Seconds .AVI = Video Format

Figure K

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Manual Recording

Note: Manual Recording overrides all other functions, including Scheduled Recording.

To record all Cameras, touch  to set Viewing Mode to 4 Camera.

To record an individual Camera, touch  until desired Camera is displayed.

1. Touch  to start recording.
REC and **1-130836.AVI** will display.
2. Touch  again to stop recording.

3. **NEW** will display and  will flash.

Note: Manual Recording will not work if Manual Motion Detection is activated.




Video Motion Detection

Note: Video Motion Detection overrides Scheduled and Manual Recording.

To record all Cameras, touch  to set Viewing Mode to 4 Camera.

To record the Camera that has been activated, set Viewing Mode to Camera Sequence.

1. Touch  to activate motion detection.
MOTION will display.
2. When motion has been detected, recording will begin.
REC and **1-130836.AVI** will display.

Note: Recording will occur for the duration specified in Recording Set up.


3. Touch  again to deactivate motion detection.



Using Screen Saver

1. **Uploading Images:**

Note: Mac is not supported for this function.

- a. Connect the USB cable to the computer where the images are stored.
- b. On the back of the Receiver, **press and hold**  and, at the same time, connect the Mini-B end of the USB cable to the Receiver.
- c. **"USB PC MASS STORAGE MODE"** will display on the Receiver's screen.
- d. An autorun window will appear on the computer, open the folder to view files, then run **PHOTORUN.EXE**.


2. Select a folder to upload images from the computer to the SD card in the Receiver.

3. Browse the computer for images.

Note: All images can be viewed on Receiver, but only images from the **FAMILY** folder will appear on the Screen Saver.

4. When finished, disconnect the USB cable.

5. Touch  to activate the Screen Saver.

6. Touch  again to return to Viewing Mode.

Note: Screen Saver will not activate when in 4 Camera Viewing Mode.




Bunker Hill Security®


Using Intercom

Allows audio communication between the Receiver and the Cameras.

Setting Receiver Volume



Note: The Camera volume cannot be adjusted.

Touch  to increase volume.

Touch  to decrease volume.

Note:  indicates Receiver volume is off.

Speaking through Intercom

1. Touch  to select the Camera to speak through.
2. Touch and hold the  Intercom Icon and speak in a normal voice within 12 inches from the Receiver.
3. Release the Icon to listen.

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Playback Files on Receiver

When there is a new recording, **NEW** will display and  will flash.



To view Recordings:

1. In any Viewing Mode, touch **OK** to enter **PLAY FILE** mode.
2. Select **VIDEO**, then touch **OK**. Folders are organized by date, oldest to newest.
3. Select a date, then touch **OK**. Recordings are organized by time, oldest to newest.
4. Select a recording, then touch **OK** to view the recording.
 - a. Touch  to stop to go back to the beginning of recording..

Note: While stopped, touch  to view the next recording.

- b. Touch  to play and pause.
- c. Touch  to rewind.
- d. Touch  to fast forward.

To view images:

1. In any Viewing Mode, touch **OK** to enter **PLAY FILE** mode.
2. Select **PHOTO**, then touch **OK**.
3. Select one of the folders, then touch **OK**.
 - a. **FAMILY** - Where Screen Savers images are stored.
 - b. **FRIENDS**
 - c. **PERSONAL**
4. Select an image file, then touch **OK**.
5. Touch  or  to scroll through images.

Playback Files on Other Device

1. Remove the SD card from the Receiver.
2. Insert SD card into device's card slot.
3. Follow device's instructions to view files.

Delete Files

IMPORTANT: DO NOT DELETE FILES USING A COMPUTER. ONLY DELETE FILES USING THE SYSTEM.

1. In any Viewing Mode, touch **OK** to enter **PLAY FILE** mode.
2. Select file to delete.
3. Press and release  on the back of the Receiver.
4. Select **Yes** or **No**, then touch **OK**.



Remote Viewing through Skype™

PC System Requirements	
CPU	Minimum 1GHz
Operating System	Windows XP® with SP3, Windows Vista®, Windows 7®, Windows 8®
Skype™	For Windows version 4.2 and above

Note: When remotely connected through Skype, audio monitoring and video recording are temporarily disabled.

Install Camera Drivers on Computer

1. Insert the included Driver CD into the computer.
2. An Autorun window will open. Double click to run the driver.
3. Follow the on-screen instructions to complete the driver installation.

Connect Receiver to Computer

IMPORTANT: The Receiver must be connected to the computer at all times to use this feature.

1. Pair the Camera you want to view via Skype with Channel 1.
2. Connect the Receiver to the computer with the included USB to Mini-B cable.
3. **"USB PC CAMERA MODE"** will display on the Receiver.

Create Skype Accounts

1. If you don't have a personal Skype account, create one for yourself.
2. Create a separate account for the Receiver.
3. When you first sign in to the Receiver's account, the Set up Wizard should run:
 - a. In the **Video** drop down menu, select **Wireless Monitoring System**. You will see the live feed from the Camera.
 - d. For **Allow Calls From**, Select **People in my Contact List Only**.
 - e. In **Advanced Options**, select **Answer Incoming Calls Automatically** and **Start My Video Automatically**.
 - f. Add your personal account to the Receiver's contact list.
 - g. Send your personal account a contact request.
 - h. From another computer or mobile device, sign in to your personal account.
 - i. Accept the contact request from the Receiver's account.
 - j. Call the Receiver's account. You will see the live feed from the Camera.

Note: This setting can also be found in **Tools>Options>Video Settings**.

- b. Continue through set up.
- c. **Go to Tools>Options>Calls**.



Maintenance Instructions



Procedures not specifically explained in this manual must be performed only by a qualified technician.

Camera Maintenance

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ELECTRIC SHOCK:

Unplug the Power Adapter from its electrical outlet before inspection, maintenance, or cleaning.

1. **PERIODICALLY**, inspect the general condition of the Camera. Check for:
 - loose hardware,
 - damaged cord/electrical wiring,
 - cracked or broken parts, and
 - any other condition that may affect its safe operation.
2. **PERIODICALLY**, wipe external surfaces of Camera with clean cloth.
3. Maintain area surrounding Camera, making sure obstacles don't interfere with visibility, such as overgrown bushes.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Receiver does not display image.	1. Camera disconnected. 2. Camera out of range of Receiver.	1. Check power to Camera. 2. Relocate Camera and/or Receiver.
Picture is white.	Camera pointing at strong light source.	Reposition Camera.
Picture is choppy.	1. Obstructions between Camera and Receiver. 2. Frame rate too low.	1. Remove obstructions between Camera and Receiver. 2. Increase frame rate.
Cannot access the menu.	1. System is recording. 2. Motion detection is on.	1. Stop recording. 2. Stop motion detection.
"Err" appears on the screen.	SD card error.	Turn Receiver off, remove and reinsert SD card, then turn Receiver back on. Note: If "Err" still appears, reformat the card or use a different one.

FCC NOTICE:

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.

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 instruction, 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 and 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.

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operated in conjunction with any other antenna or transmitter.

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. To the extent that this product is used with software other than what is provided, we shall in no event be liable for any damage to your computer or loss of data. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.



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