



Metal/Stone  
BarnCam  
Instructions

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# Safety Precautions

## Guidelines for Installation and Operation

To prevent a fire, electric, or shock hazard, read the following safety and precautionary operating guidelines before installing or operating the product.

### Do

- **Test your Equipment.** All systems are tested before shipping, but to ensure equipment efficiency, follow these testing tips:
  - Make sure you have set BarnCam system up completely in your house first.
  - Connect camera and wireless receiver directly to TV rather than through VCR during testing.

- **Use only BarnCam power sources.** Use only power supply materials included in BarnCam package.
- **Keep equipment on a stable surface.** Do NOT place equipment on unstable cart, stand, or table. Wall and shelf mounting should follow manufacturer's instructions and should be done with mounting kit approved by manufacturer.
- **Use only qualified personnel for servicing equipment.** Refer servicing to only qualified personnel. For any questions or additional help, email [support@BarnCams.com](mailto:support@BarnCams.com) or call (920) 474-7776.
- **Install and operate according to these instructions.** The equipment generates, uses, and radiates radio frequency energy. Failure to install and operate according to instructions can result in harmful interference to radio communications.

**NOTE:** This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to part 15 of the FCC rules. These limits provide reasonable protection against harmful interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. To determine if this equipment does cause harmful interference to radio or television reception, turn the receiver off and on.

# Safety Precautions

## Guidelines for Installation and Operation (cont'd)

### Do NOT

- **Do NOT expose to moisture.** Do NOT expose product to water. Keep camera and all wires clear of rain, sinks, and swimming pools. Also, do NOT use in wet basements.
- **Do NOT overload electrical cords and outlets.** Make sure you do NOT overload one electrical outlet or extension cord.
- **Do NOT open camera.** Do NOT open product case. There are no user-serviceable products inside.

For any questions or assistance, please contact us.

[sales@BarnCams.com](mailto:sales@BarnCams.com)

(888)-BARNCAM

Saddlebrook BarnCams LLC

N76 W36096 Saddlebrook Lane

Oconomowoc, WI 53066

# Pre-Installation Setup

## Materials for Installation

Check to make sure you have the camera that will be suitable for your needs. A wooden barn covered with a metal roof or covered in metal requires the metal barn system.

## Materials Included in BarnCam Package

You should make sure that all needed materials are included in package.



**Figure 1. The major components of the Stone/Metal BarnCam package**

- ❑ Transmitter
- ❑ Receiver
- ❑ Camera
- ❑ 3 Power adapters
- ❑ Mounting hardware
- ❑ 6 screws
- ❑ 2 RCA Cables



# Pre-Installation Setup

## Key Functions on Remote Control (optional)



### ❖ Time

- Press this key to set scanning time from 1 second to 10 seconds.

### ❖ Auto

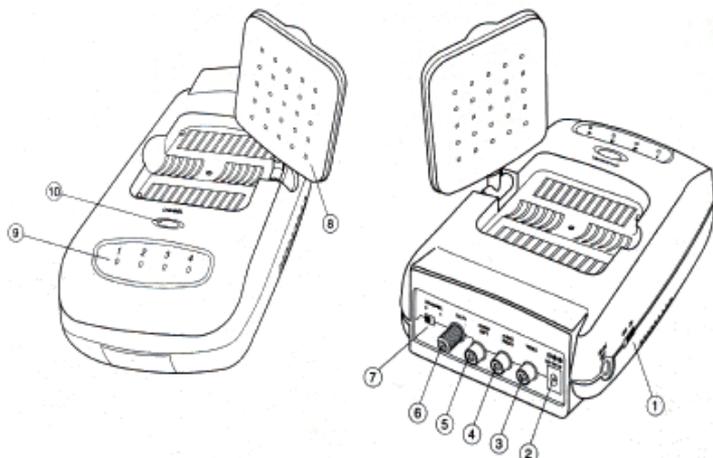
- Press this key to turn the auto-scan function on or off.

### ❖ CH-1, CH-2, CH-3, CH-4

- Press number of the channel you wish to select.
- Do NOT press these keys while auto-scan is in use because the auto-scan function will be deactivated

# Pre-Installation Setup

## Controls & Functions: Wireless Receiver



**Figure 2. The different components of wireless receiver**

**1. Power Switch**

Turns receiver on and off

**2. DC In Jack**

Plug for AC adapter

**3. Video Out Jack**

RCA jack for video output connection

**4. No longer applicable**

**5. Left Audio Out Jack**

White audio output jack for operation with monitor or TV

**6. TV Coaxial Connector**

Jack that connects receiver to cable or antenna (optional)

**7. TV Channel Selector**

Selects receiving channel 3 or 4 *on your TV(optional)*

**8. Directional 2.4 GHZ Antenna**

Receives audio and video signals from camera

**9. Channel Indicator Lights**

Indicate the selected channels

**10. Channel Selection Button**

Selects channel *on your receiver*

# Installation

## Checking Camera Setup

Your camera system should come completely assembled. However, if the wires become disconnected, reconnect the wires using the following directions.

1. Connect red RCA connector from white cable to power connector from camera.  
**NOTE:** The red connectors will fit into only one of the camera's RCA connectors.
2. Connect yellow RCA connector from white cable to the camera's metal (silver) B&C connector.
3. Connect the white connector to the camera's remaining RCA connector.
4. Connect one of the red connectors from black RCA cable to power adapter.

## Checking Transmitter Setup

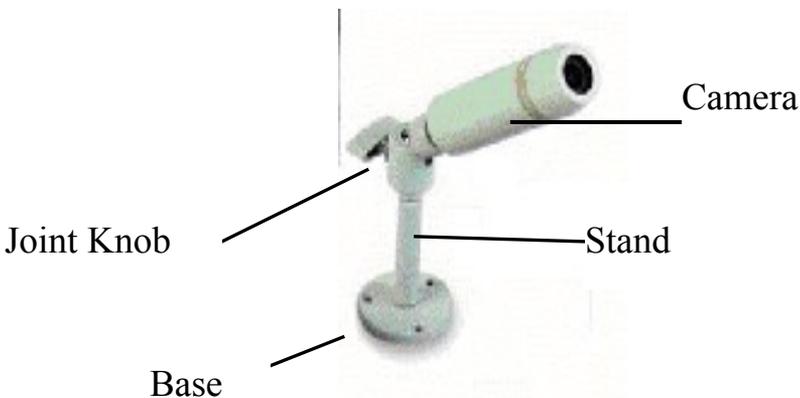
Your transmitter should come to you completely assembled. However, if the wires become disconnected, reconnect the wires using the following directions.

1. Connect second white RCA connector from white cable to the white RCA connector from transmitter.
2. Connect second yellow RCA connector from white cable to yellow RCA connector from transmitter.
3. Connect red connector from the black RCA cable to power adapter.

# Installation

## Camera Installation

1. Find wall stud or ceiling joist to mount camera for an optimal view.
2. Attach base of stand to wall stud by securing bracket with three supplied screws.
3. Attach and tighten stand to base.
4. Attach and tighten joint knob to top of stand.
5. Attach and tighten camera to joint knob on stand.
6. Make sure red connector from camera is connected to power adapter.
7. Connect other end of power adapter to outlet.
8. Run cables from camera to outside of barn where transmitter will be mounted.
9. Adjust angle of camera to achieve optimal image.



**Figure 3. Major components of the BarnCam**

# Installation

## Transmitter Installation

1. Find a sturdy location on outside of barn to mount transmitter.  
**NOTE:** Choose a mounting location that allows direct line of sight between transmitter and receiver.
2. Attach base of stand to sturdy location by securing bracket with three supplied screws.  
**NOTE:** Transmitter's stand should come assembled.
3. Position the side of transmitter with the "Saddlebrook BarnCam" label to face the house.
4. Adjust setscrew on the bracket so that transmitter is tightened.
5. Arrange the black wires from the transmitter to run directly down from transmitter.  
**CAUTION:** The wires must run directly downward to prevent moisture from running into transmitter.
6. Make sure red connector on transmitter is connected to the power adapter.
7. Connect plug on power supply to outlet inside your barn.

# Receiver Setup

## Option1: Connecting Receiver to Monitor

There are five options for setting up your receiver. One option is not necessarily better than the other. You can connect your receiver to equipment in the following methods:

- 1) **Monitor** – if you wish to view BarnCam images over a monitor
- 2) **TV with RCA Cables** – if you have a newer TV and wish to use RCA cables
- 3) **TV with single coaxial input and A/B switch** – if you have an older TV with only one coaxial input
- 4) **TV and VCR** – if you wish to record while viewing images over TV
- 5) **Monitor and VCR** – if you wish to record while viewing images over monitor

Choose one of the five following options that best suits your needs. (Refer to Figure 2 for assistance in finding parts on the receiver)

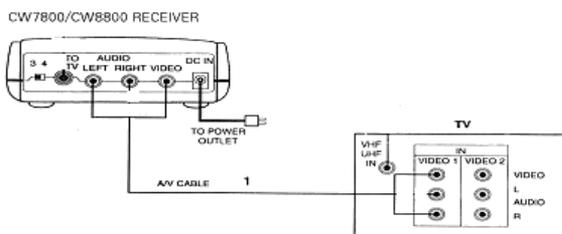
### Option 1: Connecting Receiver to Monitor

1. Connect one yellow RCA cable to VIDEO jack on receiver and the VIDEO IN jack on monitor.
2. Connect one white RCA connector to AUDIO LEFT jack on receiver and the AUDIO IN jack on monitor.  
**NOTE:** If monitor has only a single jack for audio input, connect white plug to that jack.
3. Make sure ON/OFF switch on side of receiver is in ON position.
4. Connect the black connector on the remaining power adapter to the DC IN jack on back of receiver and any wall outlet.  
**NOTE:** Use only the adapter provided.
5. Locate and orient receiver according to instructions for “Setting Up Receiver” in this manual.

# Receiver Setup

## Option 2: Connecting Receiver to TV with RCA Cables

1. Connect one yellow RCA cable to VIDEO jack on receiver and the VIDEO IN jack on TV.
2. Connect one white RCA connector to AUDIO LEFT jack on receiver and the AUDIO IN jack on TV.  
**NOTE:** If TV has only a single jack for audio input, connect white connector to that jack.
2. Make sure ON/OFF switch on side of receiver is in ON position.
3. Connect black connector on the remaining power adapter to DC IN jack on back of receiver and wall outlet.  
**NOTE:** Use only the adapter provided.
4. Locate and orient receiver according to instructions for “Setting Up Receiver” in this manual on page 14.
5. Use TV remote controller to switch between BarnCam and cable signal.  
**NOTE:** Usually one button on your TV remote controller will switch between the BarnCam and cable signal. The button may be labeled “game,” “input,” “A/V,” “audio/video,” or a similar label.

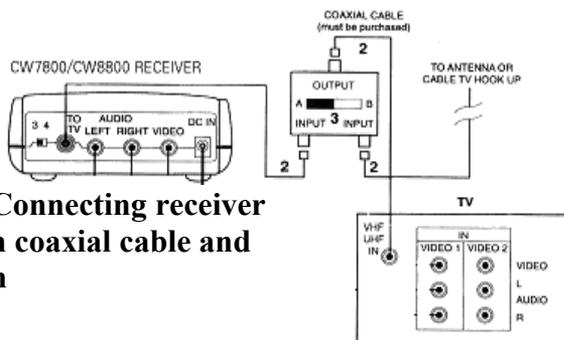


**Figure 4. Connecting TV with RCA cables**

# Receiver Setup (optional)

## Option 3: Connecting to TV with Coaxial or A/B Switch

1. Connect one coaxial cable to VHF UHF IN coaxial input on TV and to output port on A/B switch.
2. Connect another coaxial cable to connector labeled “TO TV” on back of receiver and to left input port on A/B switch.
3. Connect cable TV or antenna input from the wall to right input port on A/B switch.
4. Set channel switch on back of receiver to either 3 or 4 (whichever channel is not used by local TV stations).
5. Select the same channel on the TV that is selected on receiver.
6. Make sure ON/OFF switch on side of receiver is in ON position.
7. Connect black connector on the remaining power adapter to DC IN jack on back of receiver and to any wall outlet.  
**NOTE:** Use only the adapter provided.
8. Locate and orient receiver according to instructions for “Setting Up Receiver” in this manual on page 14.
9. Move switch to either A or B to select between viewing BarnCam reception and cable antenna signal on TV.



**Figure 5. Connecting receiver to TV with coaxial cable and A/B switch**

# Receiver Setup

## Option 4: Connecting Receiver to TV and VCR

1. Connect one yellow RCA cable to VIDEO jack on receiver and the VIDEO IN jack on VCR.
2. Connect one white RCA connector to AUDIO LEFT jack on receiver and the AUDIO IN jack on VCR.  
**NOTE:** If TV has only a single jack for audio input, connect white connector to that jack.

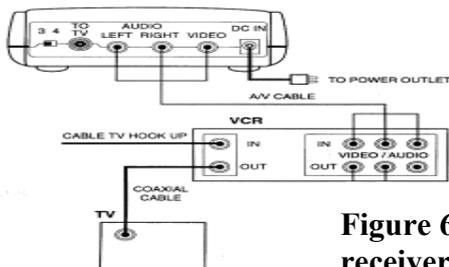
### If TV has Audio/Video input jacks

3. Connect another yellow RCA cable to VIDEO jack on receiver and the VIDEO IN on TV.
4. Connect another white RCA cable to AUDIO LEFT jack on receiver and the AUDIO IN jack on TV.

**\*OR\***

### If TV has only a single coaxial input port

5. Connect one end of coaxial cable to TV's VHF/UHF IN port and the LINE OUT port on VCR.
6. Connect the coaxial cable for Cable TV or antenna input from the wall to LINE IN port on VCR.
7. Make sure ON/OFF switch on side of receiver is in ON position.
8. Connect one end of the remaining power adapter to DC IN jack on back of receiver and to any wall out.  
**NOTE:** Use only the adapter provided.
9. Locate and orient receiver according to instructions for "Setting Up Receiver" in this manual .

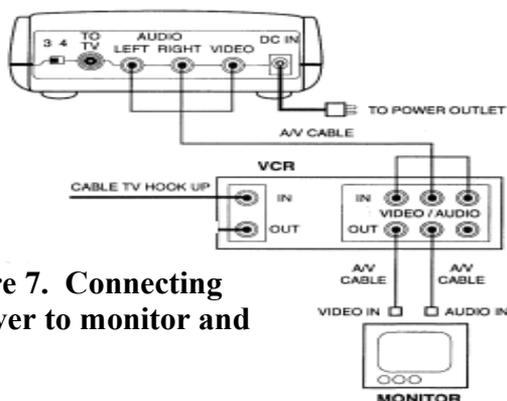


**Figure 6. Connecting receiver to TV and VCR**

# Receiver Setup

## Option 5: Connecting Receiver to Monitor and VCR

1. Connect one yellow RCA cable to VIDEO jack on receiver and the VIDEO IN jack on VCR.
2. Connect one white RCA connector to AUDIO LEFT jack on receiver and the AUDIO IN jack on VCR.  
**NOTE:** If TV has only a single jack for audio input, connect white connector to that jack.
3. Connect yellow RCA connector on another cable to VIDEO OUT jack on VCR and to VIDEO IN jack on monitor.
4. Connect white RCA connector on the same cable to AUDIO OUT jack on VCR and to AUDIO IN jack on monitor.
5. Connect the coaxial cable for Cable TV or antenna input from the wall to LINE IN port on VCR
6. Make sure ON/OFF switch on side of receiver is in ON position.
7. Connect one end of the remaining power adapter to DC IN jack on back of receiver and to any wall outlet.  
**NOTE:** Use only the adapter provided.
8. Locate and orient receiver according to instructions for “Setting Up Receiver” in this manual.



**Figure 7. Connecting receiver to monitor and VCR**

# Receiver Setup

## Setting Up Receiver

After you have installed your receiver according to one of the five options, complete receiver setup as follows:

1. Place wireless receiver unit on or near TV or monitor.
2. Position antenna to stand up vertically.
3. Position antenna so that the side with holes faces transmitter.  
**CAUTION:** Antenna does not turn 360 degrees. Be gentle when positioning antenna to prevent damage.
4. Connect power supply to DC In Jack on back of receiver.
5. Adjust receiver channel by using Channel Selection Button.  
**NOTE:** Make sure receiver channel is set to same channel on TV or monitor.

# Trouble Shooting

Problems	Causes	Remedies
<b>Poor Reception</b>	Antenna facing wrong direction	Adjust antenna direction until you get a clear picture
	Improper channel switching	Check to make sure your TV is set up correctly.
		Press the video/cable button.
<b>No Power, Picture, or sound</b>	Incorrect TV or monitor connection	Check to make sure your TV is set up correctly
	AC adapter is not plugged into camera or receiver.	Plug in AC adapter to camera or receiver.
	Power supply not connected to camera.	Connect the power supply to the camera.
	Power supply not connected to transmitter.	Power supply to the transmitter.
<b>Works in house but not between barn and house</b>	Obstruction between the barn and house.	Remove any obstructions in path of signal.
	Receiver is not aimed in proper direction.	Aim the receiver so that the BarnCam labels are facing the house.
	Signal not passing through walls effectively.	Position the receiver in a window facing the barn.
<b>Dim or bright picture</b>	Unsuitable brightness control setting on TV/monitor	Switch your control setting on your TV/monitor.
	Unsuitable lighting	Add or subtract lighting.
<b>Horizontal line through picture or scrambled, unstable picture</b>	Improper vertical hold control setting on TV/monitor	Adjust your vertical hold control settings.
	Other 2.4GHz transmitter interference from wireless phone/network	Unplug base unit for wireless phone or network while installing BarnCam, then turn on wireless unit to determine source of problem.
		Move wireless phone or network away from receiver.

# Servicing the BarnCam

For questions and repairs, email [support@BarnCams.com](mailto:support@BarnCams.com) or call (920) 474-7776.

## Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- The power supply cord or plug is damaged.
- Liquid has been spilled or objects have fallen on the product.
- The product has been exposed to rain or water.
- The product does not operate normally according to the operating instructions.
- The product has been dropped.
- The cabinet has been damaged.
- The product exhibits a distinct change in performance.

## Safety Check

Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks in order to determine if the video product is in proper operating condition.

## Replacement Parts

Always make sure that the service technician uses replacement parts specified by the manufacturer or have the same characteristics as the original part.

**CAUTION:** Unauthorized substitutions for replacement parts may result in fire, electric shock, or other hazards.

## Warranty

This warranty gives the original purchaser specific legal rights. The original purchaser may also have other rights that vary according to state law.

### Warranty Coverage

Products will be repaired without charge on labor or parts if

- The product does not function due to any defect in material or workmanship, and
- This defect occurs within one year of the original purchase date.

### Warranty Exclusions

This warranty does **NOT** cover

- Modifications, abuse, or neglect
- Incidental or consequential damages unless the state of owner's residence specifically prohibits limitations on incidental or consequential damages.

### Service with Warranty

Please pack unit carefully and send it prepaid by insured parcel post to:

Saddlebrook BarnCams LLC  
N76 W36096 Saddlebrook Lane  
Oconomowoc, WI 53066 USA

Please include a note explaining how the unit is defective.

We will repair and return to owner or replace all units under this limited warranty.

### Service After Warranty Expiration

Follow the instructions for “Service Within Warranty. You will be charged for repair costs and return postage and handling. Include your name, address, phone number, and BarnCam damage. An estimate of the repair/replacement cost will be sent for advance approval.