

Riverwind Supply Wireless Barn Camera Instructions (Single Camera)

Single camera wireless barn set up.

Your system has been plugged together and color coded so that paired connections are easily identified when reconnecting. **DO NOT START IN THE BARN.** Place the barn side of the system at a location in your home or office where the receiver will connect to a TV or DVR to test the system. If you cannot get video on your TV, troubleshoot the system with a technician while all items are in one location.

PLEASE TEST RUN THE SYSTEM. IF THE SHIPMENT WAS MANHANDLED DURING TRANSIT, A TRANSPONDER CHIP MAY LOOSEN IN THE RX OR TX SHUTTING THE SYSTEM DOWN. MOST TIMES WE CAN REMEDY THIS PROBLEM ON THE PHONE SO TEST RUN IT (TO THE tv) IN THE HOUSE FIRST.

It is sometimes easier to place the barn side equipment marked TX (for transmitter) on a counter or table, then locate the house side equipment marked RX (for receiver) at a different spot in the same room. **NEVER PLACE THE TRANSMITTER AND RECEIVER CLOSER THAN 1 FOOT WHEN RUNNING.**

1. Connect the included antennas to the RX and TX units. **DO NOT PLUG THE UNITS IN YET.**
2. **NEVER POWER A TRANSMITTER OR RECEIVER WITH THE ANTENNAS DISCONNECTED. IT WILL DAMAGE THE UNIT.**
3. Connect the receiver marked RX to your TV or DVR. The receiver has 2 video outputs and 2 audio outputs. All will work. Patch cables have been included to connect to the TV. Should you need to extend the RX further away from the TV, most electronic stores carry various lengths of this RCA cable.
4. Connect the 12 volt/AC power supply to the power plug on the RX (if not connected).
5. Your television should be on the Video channel (not channel 3). Some TV's may refer to this channel as AV, Line IN, AUX or simply VIDEO. Newer TV's generally having a source button on the TV or remote. Your TV may require you to enter the setup menu to select this channel (older TV's). Some newer TV's have replaced the standard yellow input with a green video input. This may or may not work with the RX's video output (depends on TV). If in doubt, refer to your televisions instruction manual. The barn camera system is "composite video". Some newer TV's share a green jack for composite and component, you may need to enter the TV's setup to select "composite"
6. With the RX connected, the TV should show LINK FAILED if on the proper channel.
7. Your TX came preconnected to power and the cable. If these have been disconnected, please reconnect Brown to Brown (video) Green to Green (TX power) and Red to Red (cable to camera power). Plug them into a working outlet or extension. The TV screen should now show NO AV SIGNAL.
 - a. For audio systems: connect the camera to the cable Yellow to Yellow (video), White to White (audio to mic) and Red to Red (power to mic). Pass through power on the mic should already be connected to the camera Blue to Blue. You should now have video.
 - b. For video only systems: connect the camera to the cable Yellow to Yellow (video) and Blue to Blue (camera power). You should now have video.

If you do not have video on your TV, check all power and video connections. The most common problem in setting up this system is putting the TV on the incorrect channel. If you are unable to trouble shoot the problem. Call Tech Support while the system is still connected and in the house. Do not install the system until you have working video.

Barn side installation

Once video has been established, install the barn components. Disconnecting the camera, cable and transmitter (TX) may be required. The video connections between the transmitter, cable and camera are BNC type connectors and require a slight push and turn to disconnect. NEVER FORCE A CONNECTION and NEVER PULL ON A WIRE. Always grasp the connectors not the wire or cables.

Mount the camera. Corner placement usually works best. If you think you may move the camera, or will require several tries to find the appropriate placement, mount the camera on a small board then mount the board. The connection jacks between the cable and camera are color coded. They are for video and power. If your system has audio, an inline microphone will be placed on the 3rd white cable near the camera. This microphone has a white audio connection and two power connections. One power connection (female) accepts power from the cable. The other connection jack (male) passes this power on to the camera. If you remove this microphone, the cable power must be reconnected to the camera. Hardware to mount the camera and an adjustment tool are included in the camera packaging.

Run the cable to the transmitter (TX) location.

Pay special attention to the colored connections. This cable has a male and female power connection much like an extension cord. If placed backwards, it will not connect properly.

This system is pre-connected and color coded to place the power supply at the transmitter (TX) side unless requested and specified on the invoice. Power at the camera location is not required, only by the transmitter. If you would rather have both power supplies near the camera side of the setup and not the transmitter side, the cable may be reversed and the transmitter will now be powered through the cable with the AC adapters placed near the camera. Doing this will cause the color connections not match but it will work just fine. The power supply(s) must be moved to the camera side of the cable. Follow a) or b) below to reverse the cable. Skip if you are leaving as is.

- a.) System with Audio. Disconnect the long cable from the camera/mic (red, yellow and white) Leave blue together. Disconnect the cable from the transmitter (brown and white), and power supply (red). Disconnect the green power supply from TX green. Reverse the cable and plug as follows. Cable Brown to Camera Yellow, Power Supply Red to Camera/Mic Red and Cable White to Camera/Mic White. Connect your Green Power Supply to the Cable Red on the camera side. All camera side connection should be connected. On the Transmitter side connect Cable Yellow to Transmitter (TX) Brown, Cable White to TX white and the Cable Red to the TX green. Test system before installation.
- b.) Video Only System. Disconnect the long cable from the camera (Yellow and Blue). Disconnect the cable from the transmitter Brown, and Red Power Supply. Disconnect the

green power supply from TX green. Reverse the cable and plug as follows. Cable Brown to Camera Yellow, Power Supply Red to Camera Blue. Connect your Green Power Supply to the Cable Red (Now on the camera side). All camera side connection should be connected. On the Transmitter side of the cable, connect Cable Yellow to Transmitter (TX) Brown, Cable Blue to the TX green. Test system before installation.

Mounting the transmitter.

The transmitter should be mounted on the OUTSIDE of your barn facing the house in an area where the view from the house is the least obstructed by buildings or trees. The transmitter must be mounted at least 7 feet off of the ground 12+ feet is optimum. For long distance, attempt 12 to 14 feet if possible. Be sure the antenna is connected to the TX prior to powering the system. Once installed, position the antenna so it is vertical to the ground (tip pointing up to the sky).

Receiver placement

The receiver is usually placed near the TV for conventional stick built homes. The video signal will not penetrate brick, stone or metal siding on your home. If you have one of these, place the transmitter in a window in view of the barn, or place the transmitter outside and connect in through a window or other access. If you have multiple interior walls, depending on the system and distance, you may wish to place the receiver in an area of the home that will reduce the amount of interior obstacles.

Once a video link is reestablished between the transmitter and receiver, you should see video on the TV.

The following connection colors are used.

BROWN - TX video line to cable GREEN - Power Supply to TX power YELLOW - cable video line to camera video line

BLUE – cable power line to camera power line

RED – Power Supply to Camera Line Power (note all power supplies are actually interchangeable)

If an adapter has colored tape on it, that is the color. Ignore the connector's factory color. If it has no tape, it is considered the factory made color.

Error codes mean the following;

Link Failed... Tx and Rx are not seeing each other. This would indicate the RX is working and TV on correct channel. Check TX power and/or distance and obstacles. Periodic Link Failed screens are normal when the units reset themselves to avoid interference.

No AV input... The TX and RX are working with each other, but the RX has a video (camera) loss. This indicates the camera has lost power or the video line is not functioning. Check camera power and cables.