

EPICVUE

Installation Manual

**for Model RT-EPIC Satellite TV Antenna
with Model MT-1000 Fixed Mount, Model MT-2000
Roof Mount, or Model MT-3000 Window Mount**

For help, call 866-900-4434



Table of Contents

Warnings 2

Before Installation 2

Model RT-EPIC Satellite TV Antenna 2

Parts 2

Installation 2

Model MT-1000 Fixed Mount 3

Parts 3

Installation 3

Model MT-2000 Roof Mount 6

Parts 6

Installation 6

Model MT-3000 Window Mount 8

Parts 8

Installation 8

Installing the Power Switch 11

Warnings

Do not attempt to install the antenna in the rain or in any wet conditions. Install in dry conditions only.

Care should be taken when transporting and setting up the antenna. Do not toss or drop the antenna.

Do not paint the antenna. Painting the antenna may cause signal degradation and will void your warranty.

While Model MT-1000 and Model MT-2000 mounts have been designed for permanent installation, Model MT-3000 mount has been designed for temporary installation and should be removed prior to traveling.

Before Installation

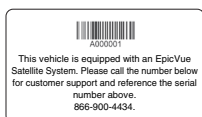
When choosing a location to install the antenna mount, keep in mind that the satellite antenna requires a clear view of the southern sky for operation. Obstructions such as vehicle accessories or the vehicle itself may block the signal from the satellite. To avoid issues with line of sight, it is recommended that the antenna be installed as high as possible while meeting installation guidelines for securing the antenna.

If installing Model MT-1000 fixed mount below the vehicle roof line, it is recommended to use the outside position on the mount. Using the outside position rather than the inside position will help to alleviate any obstruction by the tractor itself.

Refer to truck manufacturer guidelines and recommendations for installing an accessory or mount.

Model RT-EPIC Satellite TV Antenna

Parts



Interior Serial Sticker



12 Volt
Power Cable



Model RT-EPIC
Satellite TV Antenna

Installation

1. Identify the interior serial sticker included with the antenna, and place the sticker on the inside of the vehicle windshield. The interior serial sticker contains a serial identification number unique to the satellite TV antenna as well as contact information for EpicVue customer support.
2. Proceed with instructions for installing the corresponding mount with the antenna.

Model MT-1000 Fixed Mount

Parts



Pivot Plate



Fixed Mount Base



Wall Plate



5/16" Nyloc Nut (4)



5/16" Screw (4)



Power Switch



Terminal Insulator (2)



Wall plate Screw (2)



Barrel Crimp Splice



Mounting Screw (8)



Cable Entry Plate



Cable Clamp (4)



Cable Tie (2)

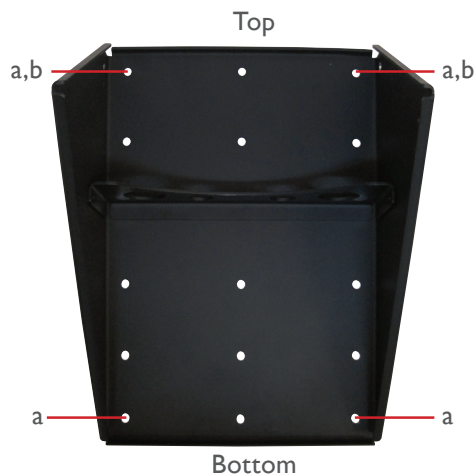
1/4-20 Bolt (4)
(Not Shown)

1/4 Lock Washer (4)
(Not Shown)

Installation

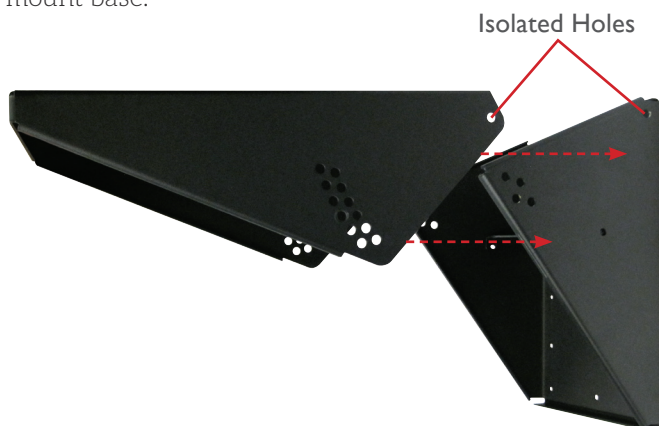
1. Before starting, choose a location on the rear of the tractor for installation. The chosen location should provide a rigid structure where the top of the fixed mount base can be securely installed to the tractor. If the location lacks a rigid structure, it may be necessary to reinforce the chosen location before installing the mount. Refer to truck manufacturer guidelines and recommendations for installing an accessory or mount.
2. Before installing the fixed mount, clean the location where the mount will be installed to the tractor.
3. Position the fixed mount base over the chosen location for installation, making sure that the top of the mount base plate is oriented upwards (see image to right). Keep in mind that the antenna should be level front-to-back and side-to-side for best operation.
4. Using the fixed mount base as a guide, mark locations on the tractor for drilling pilot holes. There are 15 holes on the base plate in a 3 x 5 configuration; before drilling, make sure that pilot holes will meet the following criteria:

- a. Pilot holes must be drilled through the four outside/corner holes of the fixed mount base.
- b. The top two corner holes must be securely fastened to a rigid structure.
- c. At least six total pilot holes must be drilled, including the four outside/corner holes.



5. After marking the locations for drilling pilot holes, drill at least six pilot holes.
6. Install the fixed mount base to the tractor. Refer to truck manufacturer guidelines and recommendations for installing an accessory or mount.
7. Once the fixed mount base has been securely installed, carefully slide the pivot plate over the top of the fixed mount base.

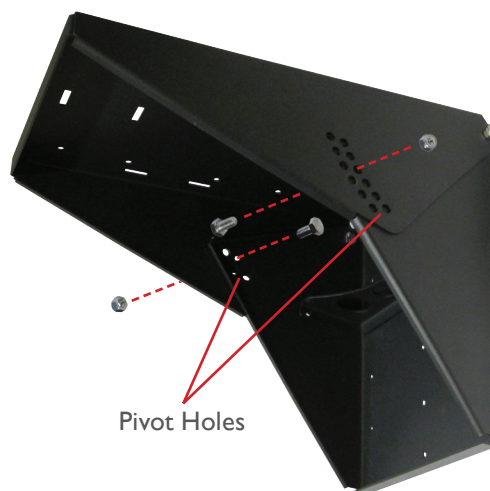
Then, align the isolated holes on each side of the pivot plate with the isolated holes on each side of the fixed mount base.



8. Insert a 5/16" screw through each aligned hole. Thread a 5/16" nyloc nut onto each screw. Hand-tighten.

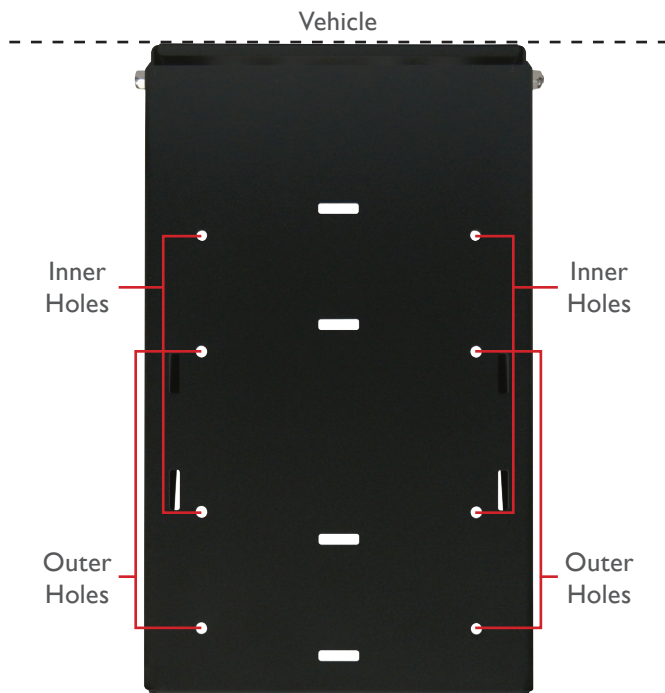
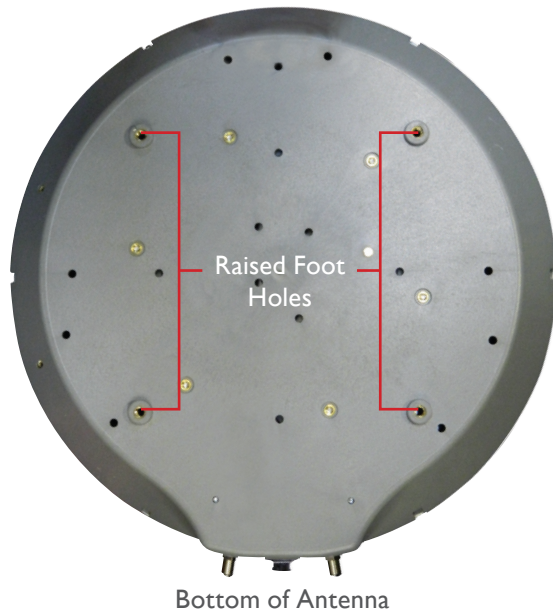


9. Adjust the pivot plate until the plate is level. For best performance, the plate should be within three degrees of level.
10. Finely adjust the pivot plate until pivot holes align on the fixed mount base and pivot plate.
11. Insert a 5/16" screw through the aligned pivot holes on each side of the mount. Thread a 5/16" nyloc nut onto each screw.



12. Before tightening screws, verify that the pivot plate is within three degrees of level. If not level, remove the screws from the pivot holes, and adjust until level.
13. Tighten all four 5/16" nyloc nuts.

14. Align the raised foot holes on the antenna base with either the inner or outer position holes on the pivot plate. If installing the mount below the vehicle roof line, it is recommended to use the outside position on the mount. Consider which direction cable connections should face, and rotate the antenna accordingly.



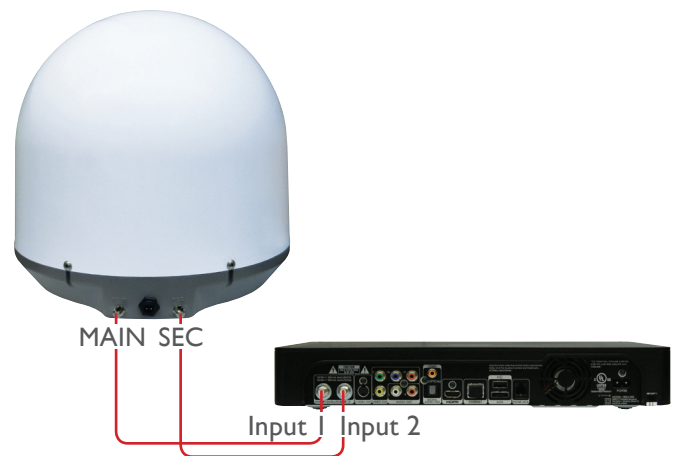
15. Insert four 1/4-20 screws with lock washers through the aligned holes in the bottom of the pivot plate and raised foot holes. Tighten.

16. Cut the 12 volt plug off of the power cable.



17. Determine the best location for the coax cables (not provided) and power cable to enter the tractor, and run the cables into the tractor.

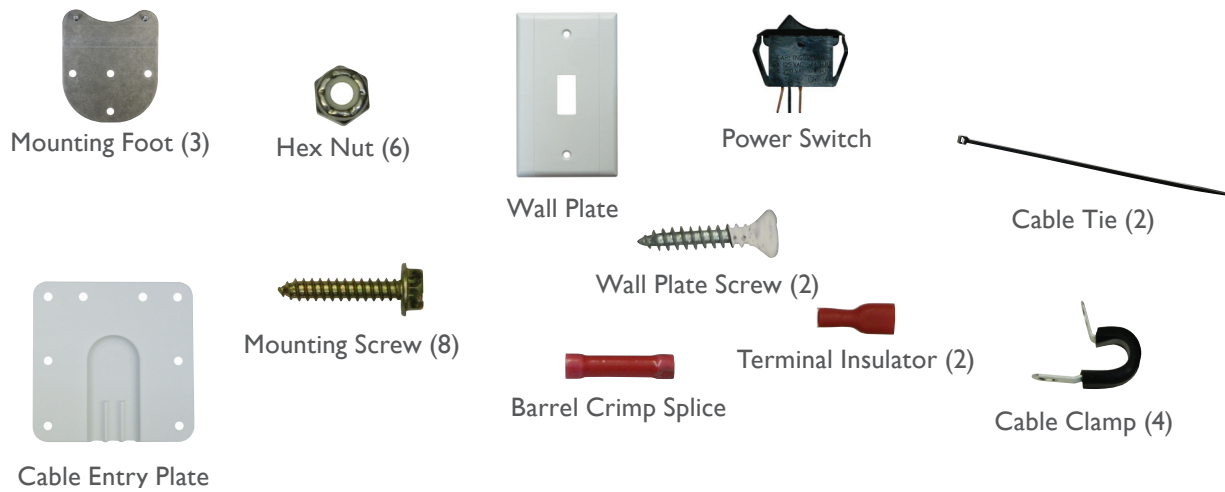
18. Connect a coax cable from the MAIN port on the antenna to Input 1 on the back of the HR-24 receiver. Connect a second coax cable from the SEC port on the antenna to Input 2 on the back of the HR-24 receiver.



19. Hand-tighten coax connections, and then tighten a quarter turn more with a 7/16" wrench. Do not overtighten.
20. Align the arrow on the antenna end of the 12 volt power cable with the top of the power socket. Connect the end of the power cable to the power socket, and rotate the collar of the power cable clockwise a half turn until tight.
21. Secure excess cable with the provided cable clamps or cable ties. Clamping every 12-16" should eliminate any unnecessary cable movement.
22. Proceed to "Installing the Power Switch" on page 11 for instructions on wiring the switch.

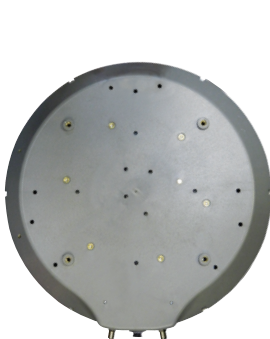
Model MT-2000 Roof Mount

Parts



Installation

1. Remove the six dome screws with a Phillips screwdriver, and remove the dome.
2. Locate the holes for the mounting feet. There are two holes for each mounting foot. The first set of holes is on the opposite side of the base as the cable connection ports. The other two sets of holes can be found by keeping in mind that the mounting feet should be equally spaced around the base once installed.
3. After locating the holes for the mounting feet, insert the two threaded posts on each mounting foot through the corresponding holes in the base, and thread a hex nut onto each post.
4. Using a 3/8" socket wrench, tighten all hex nuts holding the mounting feet to the base.
5. Place the dome back onto the base.
6. Align the holes in the dome with the holes in the base, making sure that the antenna decal is centered above the cable connection ports.
7. Insert a dome screw through each of the six aligned holes in the dome and base, and tighten.



Bottom of antenna
without mounting feet



Bottom of antenna,
mounting feet installed

8. Select a location on the roof for installation that is within three degrees of level. Level the base front-to-back and side-to-side. If the base is not level, the antenna may require more time to locate the correct satellite or may not locate the correct satellite.

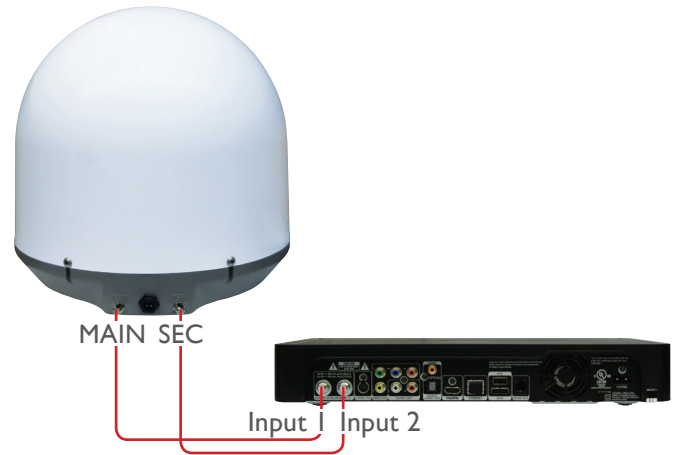
Be sure no roof-mounted accessories will block the line of sight to the satellite. The fairing will not block the signal from the satellite.

9. To ensure proper installation, check that the distance from the edge of the roof to any mounting foot is at least twelve inches.
10. Place the unit on the roof in its permanent location, and mark around each mounting foot.
11. Clean the roof area where the mounting feet will attach to the roof.
12. Refer to truck manufacturer guidelines for approved sealant, and apply approved sealant in the areas marked for the mounting feet. Place the mounting feet on top of the sealant.
13. Refer to truck manufacturing guidelines for any screw requirements. Screw down with four screws for each foot. After all mounting feet are secured to the roof, apply sealant around the edge of feet and over screws.
14. Cut the 12 volt plug off of the power cable.



15. Determine the best location for the coaxial cables (not provided) and power cable to enter the tractor, and run the cables into the tractor.

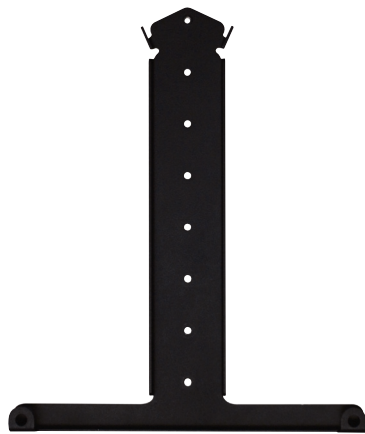
16. Connect a coax cable from the MAIN port on the antenna to Input 1 on the back of the HR-24 receiver. Connect a second coax cable from the SEC port on the antenna to Input 2 on the back of the HR-24 receiver.



17. Hand-tighten coax connections, and then tighten a quarter turn more with a wrench. Do not overtighten.
18. Align the arrow on the antenna end of the 12 volt power cable with the top of the power socket. Connect the end of the power cable to the power socket, and rotate the collar of the power cable clockwise a half turn until tight.
19. Place the provided cable entry plate over the hole and cables. Screw the plate in place with eight mounting screws. Seal the plate and screw holes with approved sealant (not included).
20. Secure excess cable with the provided cable clamps or cable ties. Clamping every 12-16" should eliminate any unnecessary cable movement.
21. Proceed to "Installing the Power Switch" on page 11 for instructions on wiring the switch.

Model MT-3000 Window Mount

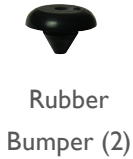
Parts



Back Support



Clip



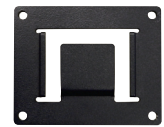
Rubber Bumper (2)



10-32 X 1/2"
Screw



Rubber Washer



Exterior Bracket



10-32 X 1/4"
Screw



Window Mount Base



Rubber Foot (4)



Foot Screw (4)



Mounting Screw (8)

3" x 3" Film Plastic
(not shown)

Installation

1. Align the hole in the clip with the press nut at the top of the the back support. The hole in the clip should fit around the raised lip of the press nut.
2. Insert a 10-32 x 1/4" screw through the aligned holes in the clip and back support. Tighten.
3. Push the two rubber bumpers through the two holes in the bottom of the back support until fully installed.



4. Determine the preferred height of the window mount base against the back support. Then, align the bottom hole in the window mount base with the preferred hole in the back support.

5. Insert a 10-32 x 1/2" screw through the aligned holes in the back support and base plate.



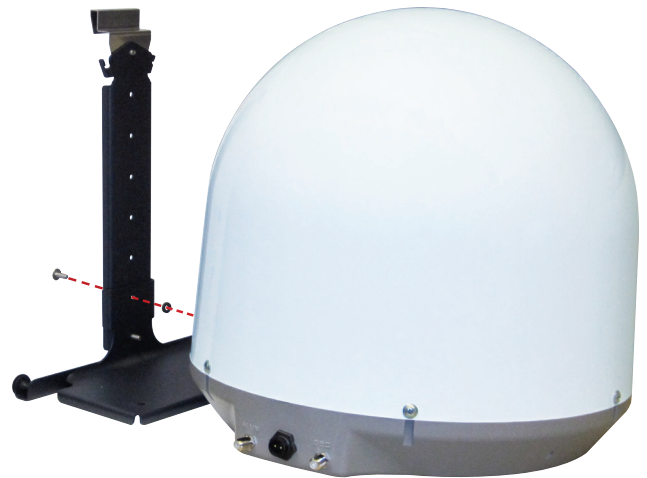
6. Decide where cables should exit in relation to the mount, and choose one of two configurations for antenna orientation below, considering the position of the cable ports. Do not secure the antenna to the mount assembly at this time.



7. After orienting the antenna according to one of the configurations, remove the dome screw closest to the back support.
8. Align the hole in the dome (where the dome screw was removed) with the aligned holes in the window mount base and back support.

Install the dome screw through the aligned holes in the back support and window mount base.

Install the rubber washer on the dome screw, and install the dome screw through the dome.



9. To further secure the antenna, position the flat side of two rubber feet against the holes on the bottom of the window mount base, and install two screws through the aligned holes in the rubber feet, window mount base, and antenna base.

For stability, position the flat side of the remaining two rubber feet against the raised feet holes, and install two screws through the aligned holes in the rubber feet and antenna base.

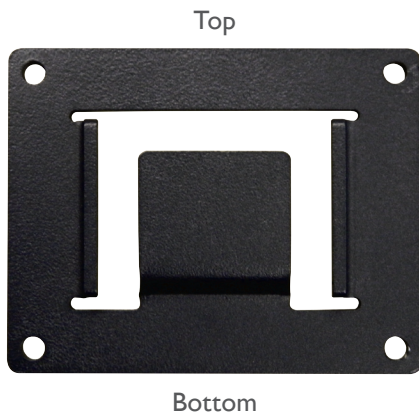


10. After the antenna has been secured to the mount, the assembly can be hung on the edge of a window or on the provided exterior bracket. The exterior bracket will enable the assembly to be hung on the exterior of the vehicle. Complete the following steps to install the exterior bracket on the vehicle.

1. Choose a location on the exterior of the vehicle for the exterior bracket. Consider possible obstructions to the line of sight and where cables will be run.

2. Clean the location where the exterior bracket will be installed.

3. Position the exterior bracket over the chosen location for installation, making sure that the top of the exterior bracket is oriented upwards. Keep in mind that the antenna should be level front-to-back and side-to-side for best operation.



4. Trace around the edge of the bracket, and mark pilot holes through the bracket.

5. Drill the pilot holes.

6. Apply sealant in the traced area.

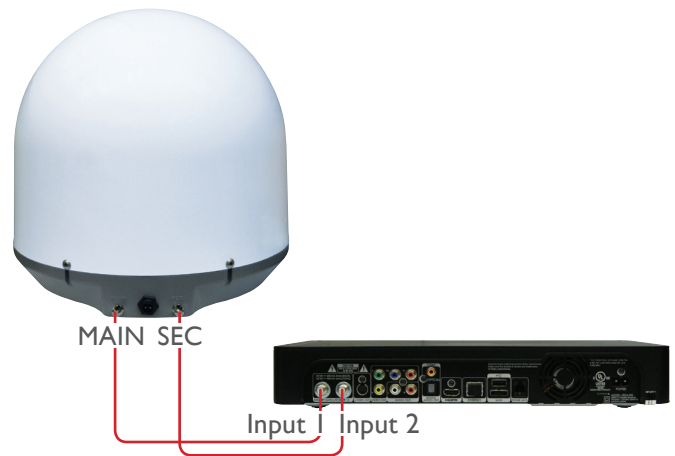
7. Mount the bracket with four of the provided mounting screws.

8. Apply sealant over the screws.

11. Hang the assembly on the window or exterior bracket. If hanging the assembly on the vehicle window, apply the plastic film where the mount will be hung on the window, and then slide the clip over the plastic film. If hanging the assembly on the exterior bracket, make sure the sealant is dry, and slide the clip into the exterior bracket.

12. Determine the best location for the coaxial cables (not provided) and power cable to enter the tractor, and run the cables into the tractor.

13. Connect a coax cable from the MAIN port on the antenna to Input 1 on the back of the HR-24 receiver. Connect a second coax cable from the SEC port on the antenna to Input 2 on the back of the HR-24 receiver.



14. Hand-tighten coax connections, and then tighten a quarter turn more with a wrench. Do not overtighten.

15. Align the arrow on the antenna end of the power cable with the top of the power socket. Connect the end of the power cable to the power socket, and rotate the collar of the power cable clockwise a half turn until tight.

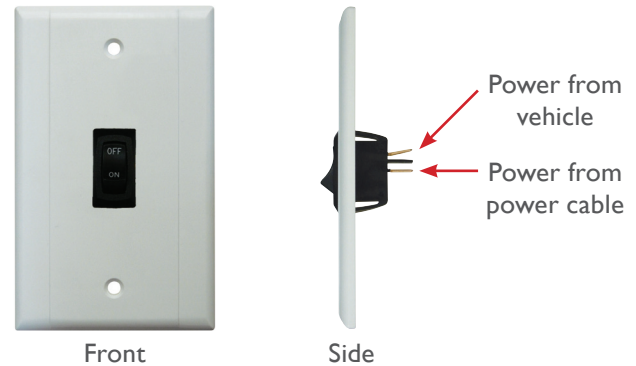
16. Connect the opposite end of the power cable to a 12 V power source.

17. Follow the quick start guide instructions for setting up the receiver.

Installing the Power Switch

1. Make sure "WINEGARD", "OFF", and "ON" are all facing upwards, and push the power switch through the hole in the wall plate. The power switch should snap into place.
2. Choose a location to install the power switch. Be sure the switch is in the "OFF" position before continuing.
3. For a wall or panel mount, drill a 1¼" hole, and pull wires through the wall or panel.
4. The 12V power plug should already have been cut off of the supplied power cord. Then, strip the jacket to expose the black and red wires.
5. Strip both the red and black wires 1/8" back.
6. Connect the 12 volt power wire from the truck to a red terminal insulator. Then, connect the terminal insulator to the spade that lines up with the marked "OFF" side of the power switch.

7. Connect the red wire from the antenna power cord to a red terminal insulator. Then, connect the terminal insulator to the spade that lines up with the marked "ON" side of the power switch.



8. Slide the ground wire from the truck into one end of the barrel crimp splice, and slide the black ground wire from the antenna into the opposite end of the splice. Crimp the splice.
9. Mount the wall plate with the two supplied wall plate screws. Tighten.