WINEGARD© Air 360 LP

Amplified Local HD and Digital Broadcast TV/FM Antenna for VHF & UHF Digital and HD TV Channels

INSTALLATION AND OPERATION MANUAL

Model A3-LPB1 and A3-LPW1



SCAN FOR

MORE PRODUCT INFORMATION

WARRANTY

Register or Help, winegard.com/support

Winegard Company 2736 Mt. Pleasant St. | Burlington, IA 52601

WINEGARD®

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Specs / Features

- Designed for RV use
- Durable UV and weather resistant
- 360° Signal Reception
- High Definition VHF/UHF Digital Signals
- Amplified
- State of the art pHEMT technology with 4G LTE Filter
- Range – Up to 45 miles*
- Height – 4.3"
- Diameter of dome – 11.75"
- Frequency Range:
  - VHF 54 to 230 MHz
  - UHF 470 to 700 MHz
  - FM 87.5-108 MHz
- Gain – 18 dB
- Noise – 1 dB
- Impedance – 75 ohms
- Power Supply – DC 12V



*Antenna reception may vary based on transmitting antenna tower height, lobe pattern of the transmitter, height of the receiving antenna, weather conditions, and terrain on receiving path, including trees, buildings and hills.

Safety Recommendations

– Do not attempt to install this system in the rain or under any wet conditions.
– Do not paint this antenna. Painting the antenna will void the warranty.

Parts



Antenna with FM antenna



25' Coax Cable



Power Supply/Wall Plate w/Hardware



Coax to Audio Cable

Mounting Screw (10)

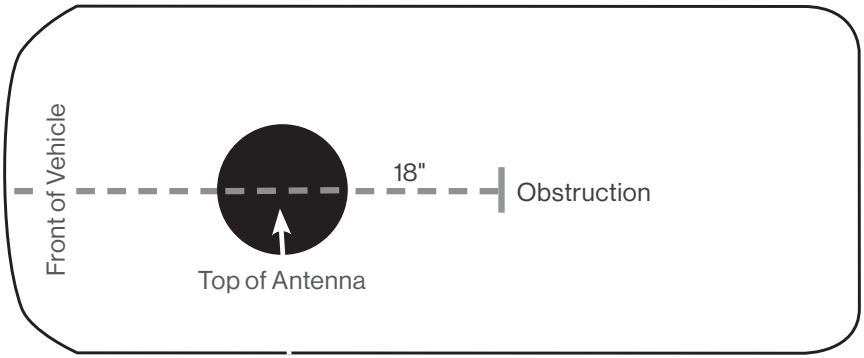
Choosing a Location for the Antenna & Power Supply

Before mounting the antenna, determine a location for the wall plate/ power supply. Keep in mind the following:

- A coaxial cable will have to run from the power supply to the antenna and from the power supply to each television.
- The provided coax cable will have to be routed through the roof directly into the perimeter of the antenna. It will not seal correctly for the cable to exit under the flange. Failure to install correctly could cause damage to the antenna and possibly the RV.
- A 12 V connection must be made to the back of the power supply.

Then, choose a location for the antenna that meets the following requirements:

- Offers enough support for a secure installation
- Distance of 18" to nearest obstruction (recommended for best performance)



Installation Instructions

Winegard offers the following installation steps for the Winegard Air 360 LP:

Failure to follow these instructions could cause damage to the unit making it inoperable, as well as possible damage to the vehicle on which it is installed.

Step 1 – After selecting a spot on the vehicle for the antenna, drill at minimum a 1" hole for included coax cable to run from the antenna to the Winegard power supply. **Do not seal this hole**.

Step 2 – Next, connect the coax cable to the Over-The-Air (OTA) antenna F-Jack located centrally under the dome. Route the coax cable through the 1" hole created in step 1.

NOTE: To ensure a reliable signal, it is recommended to use the supplied 25' RG-6 coax cable from the antenna directly to the Winegard wall plate power supply.

Be sure to tighten the coax cable to the F-Jack (finger tight plus 1/8 turn). Failure to do so may cause the signal to become intermittent or unusable.

Step 3 – It is recommended to use Butyl tape for extra protection under the flange before screwing to the roof.

NOTE: Before using the supplied mounting screws, check with your vehicle manufacturer for any special screw requirements.

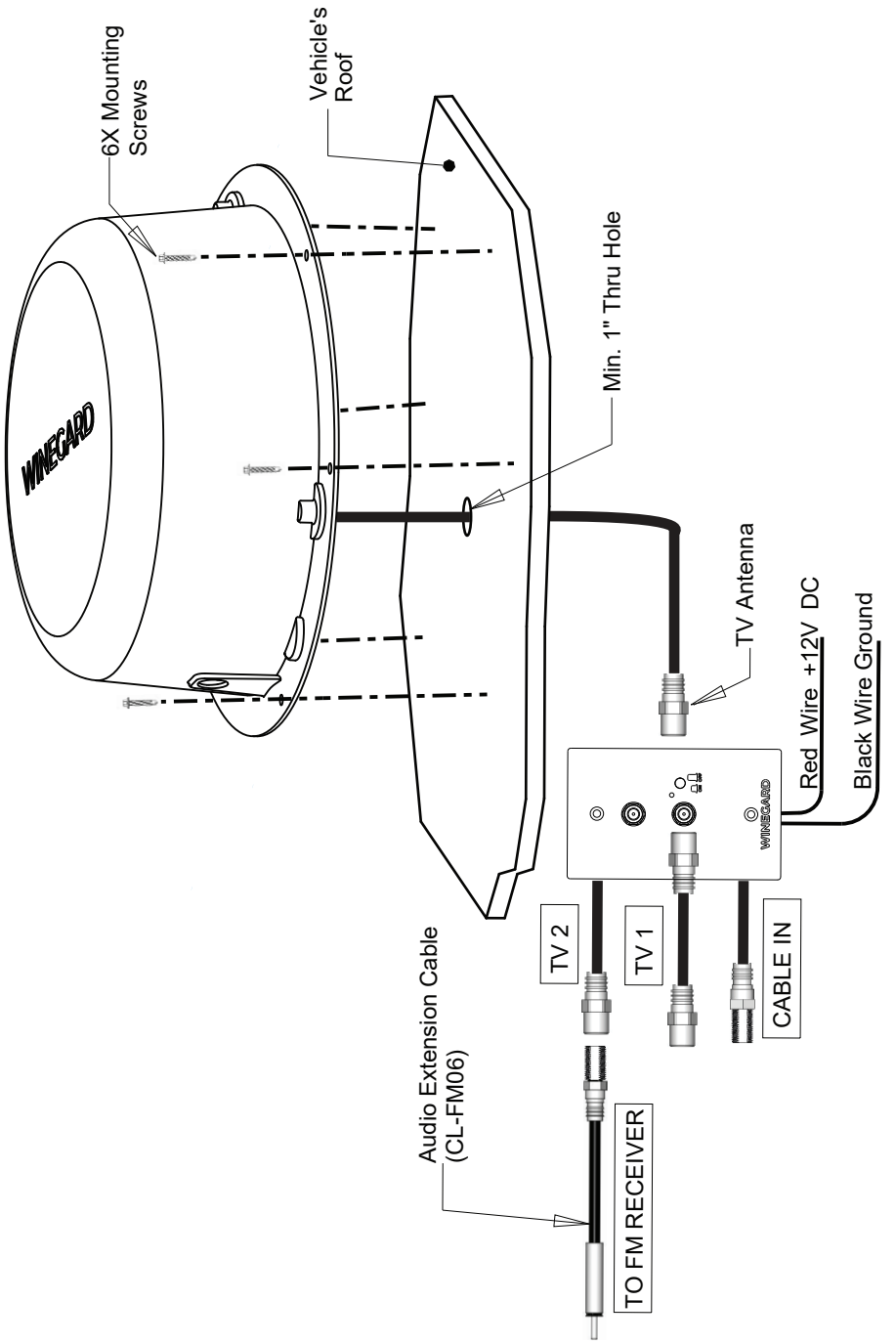
Screw in 6 approved mounting screws into the 6 mounting holes around the flange and into the roof.

Step 5 – Add approved sealant completely around the base and over each screw.

Step 6 – Next, to complete the installation refer to page 5 on installing the power supply.

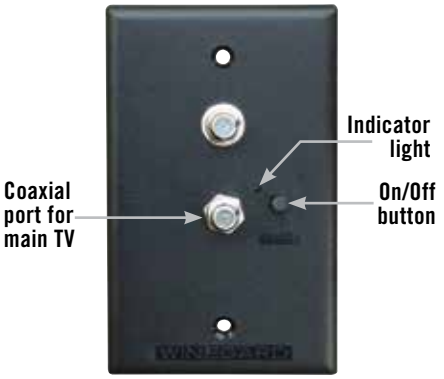
CAUTION: Do not overtighten the mounting screws. This could cause the plastic flange to break.

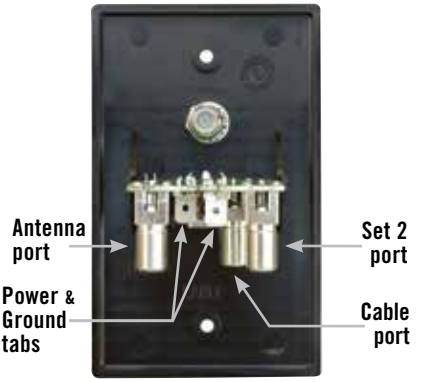
Installation Diagram



Installing the Power Supply

WARNING: The power supply should be turned off when connecting cables.





Step 1 – The power supply may be flush mounted in most standard electrical boxes. To flush mount, cut a hole in the wall to fit the box. Run two #12 wires between the wall plate and +12 VDC source, and route downlead cable to this location.

Step 2 – Make a 12 volt connection to the power supply. Install the supplied terminals on wires from +12 VDC source, and crimp the terminals with an appropriate crimping tool.

Step 3 – Push the wires onto tabs on the back of the power supply. ("PWR" and "GND" are also noted on the underside of the power supply electronics board.)

Step 4 – Connect the coax cable from the antenna to the "ANTENNA" port on the power supply, and tighten until fingertight. Then, tighten ¼ turn more.

Step 5 – If hooking up the antenna to two televisions, connect a coax cable from the "SET 2" port to the "Antenna In" port on the second television.

If hooking up a cable input, connect the cable input to the "CABLE" port on the power supply.

Step 6 – Mount the power supply in wall with the provided screws.

Step 7 – Connect a coax cable from the coax port on the front of the power supply to the "Antenna In" coax port on the main TV.

Step 8 – Press the "ON" switch on the front of the power supply, and check that the light is on.

This unit is equipped with a polyswitch, which will shut down +12 VDC if there is a direct short between the antenna and power supply. The indicator light will not light. Once the short is eliminated, the device will reset itself.

First time users

You must run a channel scan after installing the antenna to receive maximum programming.

Ensure the antenna power supply (wall plate) is in the “ON” position and the green indicator light is illuminated.

A new scan will find any new channels that have been added in your area as well as finding any channels that have changed or moved since the last scan.

While the steps to perform a channel scan may vary between televisions or compatible devices, below are some general guidelines to follow.

How to Run a Channel Scan

Using the television remote, select “Menu” and then “Settings.”

Select “Channel Setup.”

Select “Antenna” or “Air,” depending on your TV. Make sure you are not on “Cable.”

Select “Channel Search” or “Channel Scan.” Keep in mind that steps to perform a channel scan may vary. If the wording in your TV differs from the options shown, refer to your TV user manual for help.

Running a channel scan is NOT the same as pressing Channel UP/DOWN on your remote.

To receive maximum programming, you have to run a channel scan after setting up the antenna. To keep your channel line-up up-to-date, it is a good idea to run a channel scan monthly, anytime a channel is lost, and anytime you change locations.

Troubleshooting

Do not install couplers, splitters, etc. between the power supply and the antenna. Installation of any item on the downlead may cause a short in the system. The downlead supplies +12 VDC to the preamp in the antenna.

The power supply should be turned OFF when connecting/disconnecting cables to power supply and antenna but should be turned ON when testing for voltage.

Testing Power Supply

Make sure the TV set is working properly.

Remove the power supply from wall, and visually inspect for burned/broken parts. If there are ANY broken/burned parts, replace power supply.

Disconnect the cable from the antenna jack on the power supply. Check for +12 VDC. If +12 VDC is present, there is a cable problem connecting the power supply to the antenna. Repair/replace cable.

If +12 VDC is not present at the antenna jack, be sure the indicator light is ON. If not, check the polarity of the red/white wires and the +12 VDC source.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