



WINEGARD®



ATSC
3.0
READY

4K
ULTRAHD
READY

Winegard AIR 360°

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

Installation and Operation Guide

Models A3-2000 white and A3-2035 black



Winegard App TV Signal Finder *with AR*

FREE DOWNLOAD



Finding your favorite TV programming has never been easier!

The app searches for and displays all available signals in your current location.

For help, email help@winegard.com or call 1-800-788-4417

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Rev0 11-18

Specs / Features

- Designed for RV use
- Durable UV and weather resistant
- 360° Signal Reception
- High Definition VHF/UHF Digital Signals
- ATSC 3.0 Ready
- Amplified
- State of the art pHEMT technology with 4G LTE Filter
- Range – Up to 50 miles*
- AM/FM
- Height – 6.9"
- Diameter of dome – 17.25"
- Frequency Range:
 - VHF 54 to 216 MHz
 - UHF 470 to 700 MHz
 - AM 520-1710K
 - 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 AM/FM antenna



20' Coax Cable



Power Supply/Wall Plate w/Hardware



Coax to Audio Cable



Mounting Screw (10)

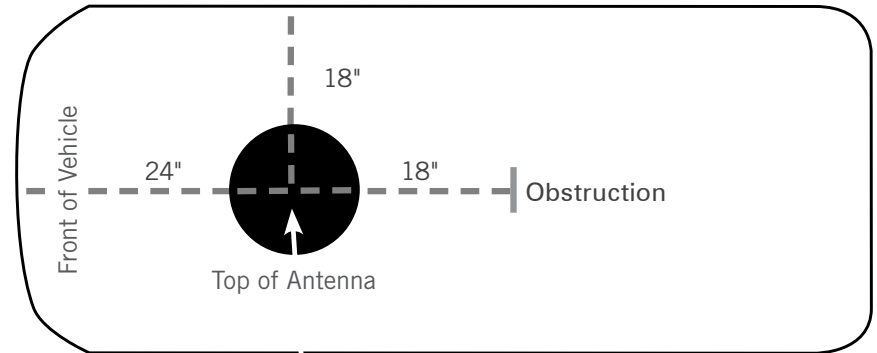
Choosing a Location for the Antenna & Power Supply

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.
- An additional coax cable will have to run from the AM/FM antenna to the radio (coax not provided).
- Coax cables will have to be routed through the roof directly into the perimeter of the antenna. It will not seal correctly for the cables 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
- Maintains adequate clearance from the edge of the roof and any obstructions
 - clearance distance of 24 in. needed from center of antenna to front of the vehicle
 - clearance distance of 18 in. needed from center of antenna to nearest obstruction and to the edge of the roof



Installation Instructions

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

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 inch hole for two coax cables (*only one provided*) to run from the antenna to the Winegard power supply and from the AM/FM antenna to the AM/FM receiver (*not provided*). **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. If AM/FM is desired, connect a coax cable (*not provided*) to the F-Jack on the AM/FM antenna located on the base of the AM/FM antenna. Route both coax cables through the 1 inch hole created in step 1.

NOTE: To ensure a reliable signal, it is recommended to use RG-6 coax no longer than 30 feet from the roof antenna to the wall plate.

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

Step 3 – On the edge of the flange you will notice 2 **FRONT** ↔ **REAR** labels. These labels should be facing the front of the RV on one side and the rear of the RV on the other.

Step 4 – 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.

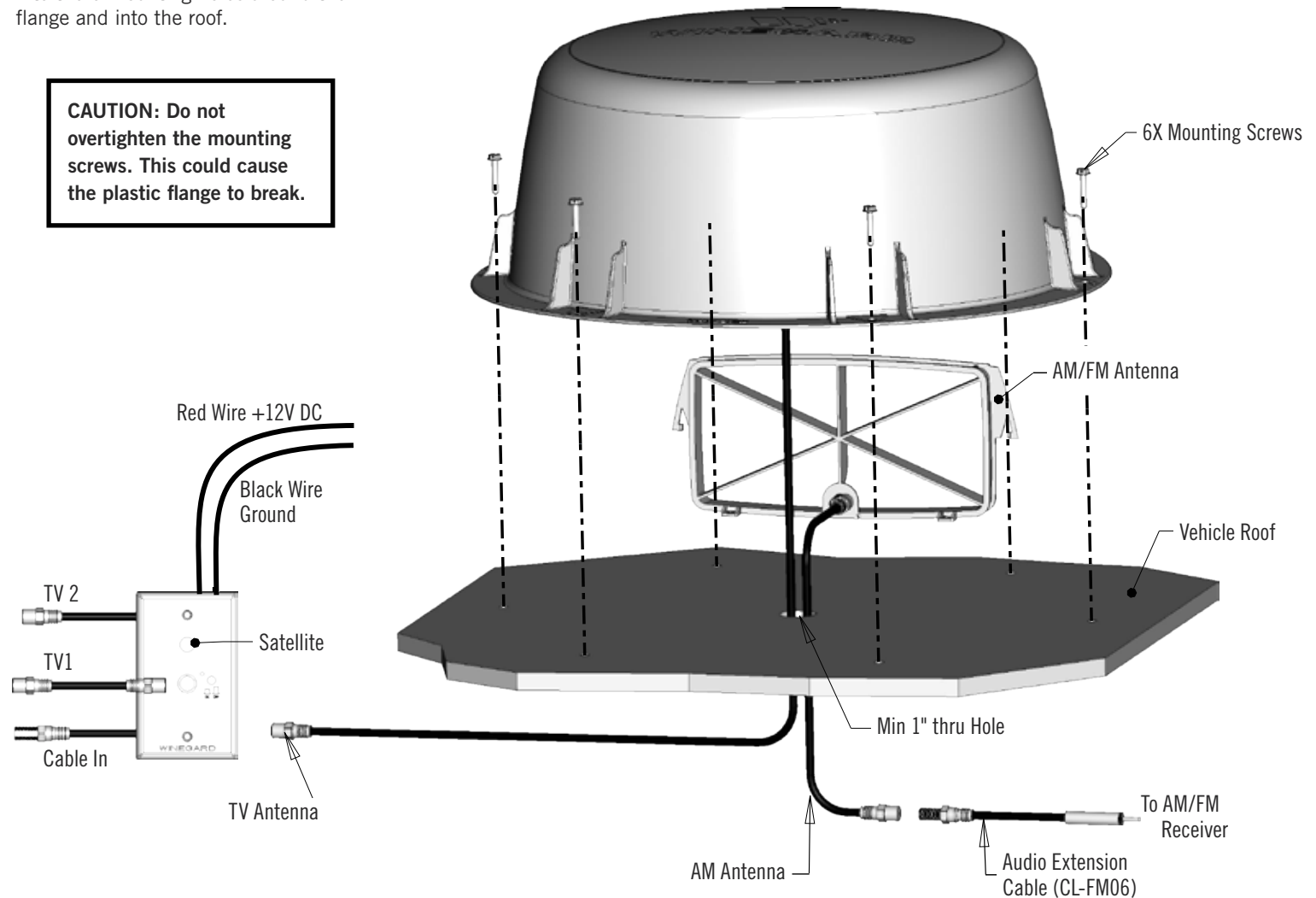
Screw in 6 approved mounting screws into the 6 mounting holes around the flange and into the roof.

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

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

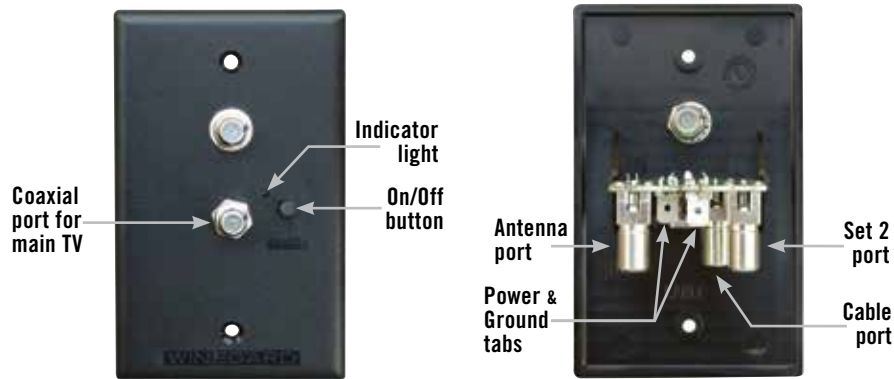
Step 6 – Connect the coax cable attached to the OTA antenna to the ANT IN F-Jack input of the Winegard power supply.

Step 7 – Connect the coax cable attached to the AM Antenna to the Audio Extension Cable (CL-FM06). Next connect this Audio Extension Cable into the AM/FM receiver.



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 download 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 download may cause a short in the system. The download 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.

WINEGARD MOBILE PRODUCTS LIMITED WARRANTY (5 YEARS PARTS; 1 YEAR LABOR)

Winegard Company warrants this product against defects in materials or workmanship for a period of five (5) years from the date of original purchase. During year one (1) of such warranty, Winegard Company will also pay authorized labor costs to an authorized Winegard dealer to repair or replace defective products. No warranty claim will be honored unless at the time the claim is made, Customer presents proof of purchase to an authorized Winegard dealer (to locate the nearest authorized Winegard dealer, contact Winegard Company, 3000 Kirkwood Street, Burlington, Iowa 52601, Telephone 800-288-8094 or visit www.winegard.com). Customer must provide proof of purchase with a dated sales receipt for the Winegard product to verify the product is under warranty. If the date of purchase cannot be verified, the warranty period shall be considered to begin thirty (30) days after the date of manufacture.

If a defect in material or workmanship is discovered, Customer may take the product to an authorized Winegard dealer for service. Customer must provide proof of purchase to verify the product is under warranty. If the product is brought to an authorized Winegard dealer for service prior to expiration of year one (1) of the warranty period and a defect in material or workmanship is verified by Winegard Technical Services, Winegard Company will cover the Winegard dealer's labor charges for warranty service. The Winegard dealer must contact Winegard Technical Services in advance for pre-approval of the service. Approval of the service is at the sole discretion of Winegard Company.

Alternatively, Customer may ship the product prepaid to Winegard Technical Services (located at 2736 Mt. Pleasant Street, Burlington, Iowa 52601, Telephone 800-788-4417). Customer must return the product along with a brief description of the problem and provide Winegard Technical Services with Customer's name, address, and phone number. Customer must also provide proof of purchase to verify the product is under warranty. If the product is returned before the expiration of the warranty period, Winegard Company will (at its option) either repair or replace the product.

This Limited Warranty does not apply if the product has been damaged, deteriorates, malfunctions or fails from: improper installation, misuse, abuse, neglect, accident, tampering, modification of the product as originally manufactured by Winegard in any manner whatsoever, removing or defacing any serial number, usage not in accordance with product instructions or acts of nature such as damage caused by wind, lightning, ice or corrosive environments such as salt spray and acid rain. This Winegard Product was designed to work within the parameters of radio frequency (RF) spectrum allocation and broadcast technology in effect at the time the product was manufactured. This Limited Warranty does not apply if the product becomes unable to perform its intended function as a result of changes in RF spectrum allocation, changes in television broadcast technology, RF interference, or other factors beyond Winegard's control.

RETURN AUTHORIZATION POLICY

A Return Material Authorization (RMA) is required prior to returning any product to Winegard Company or Winegard Warranty Services under this warranty policy. Please call our Technical Services Department at 800-788-4417 or send an email to warranty@winegard.com to obtain the RMA number. Please furnish the date of purchase when requesting an RMA number. Enclose the product in a prepaid package and write the RMA number in large, clear letters on the outside of the package. To avoid confusion or misunderstanding, a shipment(s) without an RMA number(s) or an unauthorized return(s) will be refused and returned to Customer freight collect.

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Some states do not allow limitations on how long an implied warranty lasts, or the exclusion of limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives Customer specific legal rights. Customer may also have other rights that may vary from state to state.

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