



Satellite Antenna with Tripod

www.winegard.com

For Technical Services, Call 1-800-788-4417

For Receivers and Programming, Call 1-866-609-9374

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DO NOT RETURN ANTENNA TO PLACE OF PURCHASE.




This manual provides instructions for both assembling and disassembling your tripod mount with home digital satellite antenna. To set up your tripod mount with satellite antenna, begin with assembling the tripod. The tripod requires only a one-time assembly and can be stored between uses. See page 7 for more information on storage and disassembly.

Assembling the Tripod

	Parts 	1 Find a place to set up the tripod with a clear view of the southern sky. Avoid obstructions such as trees, hills, or buildings—these can block the signal from the satellite.	2 Push in the tabs on either side of one leg, and slide the leg into the tripod base until the leg locks into the desired position. Repeat for all three legs.
	3 Place the bubble level on top of the tripod, and push down until the level snaps into place. Loosen the lock knobs on the tripod base. 	4 Slide legs toward or away from the base until the bubble rests in the center of the bubble level. The tripod is now level. Tighten the lock knobs, and remove the bubble level. 	5 For extra stability, insert the stakes into the holes on the pivot feet of the legs, and push the stakes into the ground. Check that the tripod is still level.

After assembling the tripod, follow the instructions to assemble the satellite antenna. If the satellite antenna is already assembled but is being set up at a new location, follow the instructions for receiver setup. Turn to page 3 for DISH® receiver setup or to page 5 for DIRECTV® receiver setup.

Assembling the Home Digital Satellite Antenna



18" reflector

Parts

10-32 x 1-1/4" carriage bolt

10-32 flange hex nut

50' RG-6 coaxial cable

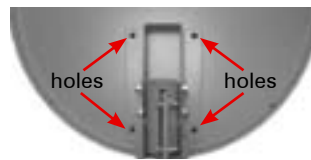
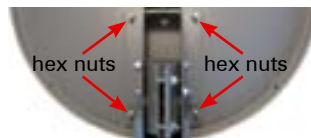
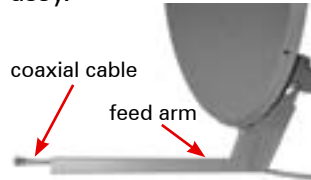





back-up/feed support assy.

feed arm

LNBF

1/4-20 x 5/8" carriage bolt (4)

1/4-20 hex nut (4)

- 1 Line up the four holes on the back of the reflector with the four holes on the back-up/feed support assy.
 
- 2 Insert the four 1/4-20 x 5/8" carriage bolts through the four holes on the front of the reflector. Thread a 1/4-20 hex nut onto each bolt.
 
- 3 Thread the 50' RG-6 coaxial cable through the feed arm of the back-up/feed support assy.
 
- 4 Screw the RG-6 coaxial cable onto the LNBF. The coaxial cable can be screwed onto either port.
 
- 5 Connect the LNBF and feed arm by pushing the parts together.
 
- 6 Insert the 10-32 x 1-1/4" carriage bolt through the feed arm. Then, thread the 10-32 flange hex nut onto the bolt.
 
- 7 Loosen the azimuth hex nuts on the back-up/feed support assy, and slide the unit onto the tripod mast.
 
- 8 Continue with the receiver setup instructions. See page 3 for DISH receiver setup, or see page 5 for DIRECTV receiver setup. Tighten all hex nuts after pointing the dish.
 

Once the satellite antenna has been assembled, the RG-6 coaxial cable now runs through the feed arm of the home digital satellite antenna. The 50' RG-6 coaxial cable needs to be connected to the receiver. Connect the coaxial cable according to the steps below.

Connecting to the Receiver

The satellite receiver powers the LNB by sending voltage up the coaxial cable. Items such as splitters, video switches, and wall plates will stop the satellite signal. For this reason, it is important to run the coaxial cable directly from the satellite receiver to the satellite dish/antenna when searching for a signal. Connect the coaxial cable directly from the satellite antenna to the "Satellite In" port on the back of the satellite receiver.



"Satellite In" port

Follow the instructions on page 3 to set up a DISH receiver or on page 5 to set up a DIRECTV receiver. If setting up the satellite antenna and receiver for the first time or if setting up the satellite antenna at a new location, begin with step one of the receiver setup, and proceed with every step. Consult your receiver manual for additional information on receiver setup.

DISH Receiver Setup



DISH receivers will often not show when they are on signal if they have incorrect "Check Switch" information. For this reason, DISH users must clear current settings before pointing. To do this for most DISH receivers, follow these steps. The following instructions are based on a ViP 211 receiver. Note that if this is the first time using the receiver, the receiver may automatically jump to step 4 of the instructions. If your receiver differs from the options shown, you may need to consult your receiver manual. The wording and display used in your receiver may differ slightly.

For Help, Call 1-800-788-4417



1 Before starting, disconnect coax from "Sat in" on back of receiver.

Press **Menu** on your remote. Select option 6, **System Setup**.



2 Select option 1, **Installation**.



3 Select option 1, **Point Dish**.



4 Select **Check Switch**.

If this is the first time using your receiver, your receiver may automatically start with this step.



5 Check that there are no checkmarks by SuperDISH or Alternate. Select **Test**.

The receiver will go through a number of steps and then may warn that fewer satellites were detected.



6 If so, select **Save**. It may ask you to confirm. If so, select **Save** again.



7 This should clear out any previously installed devices. Then, select **Done**.

Re-connect the coaxial cable to the "Satellite In" port on the back of the receiver.



8 Input **zip code of current location** and dish type. On the display, Dish System should always be **Dish 300**. Note that whenever you move the satellite antenna to a new location, you must enter the zip code of your new current location.

Satellite should be whatever satellite you want to point at. **Satellite 119** is the primary satellite, and the majority of programming is located here. If you cannot find your desired standard programming on Satellite 119, try **Satellite 110**. For HD programming, choose Satellite **129** (for HD receivers only).

If using Satellite 119 or 110, use **Transponder 11**. If using Satellite 129, use **Transponder 21**.

With all information entered, an Azimuth Angle and Elevation Angle will be displayed under the Zip Code. Use these pointing angles to point the dish. If you have selected Satellite 129 as your desired satellite, an azimuth and elevation angle may not be displayed. In this case, refer to the [Satellite Location 129°W Angles Table](#) included with this unit. *If using a 311 or previous model receiver, select Peak Angles to enter your satellite and zip code.*

Pointing the Home Digital Satellite Antenna

Elevation

Loosen the elevation bolts on either side of the back-up/feed support assy. Raise the dish to the specified elevation angle that you found in step 8 of the receiver setup. The red line on the back-up/feed support assy., shown next to the elevation bolt, should line up with the correct angle molded into the back-up/feed support assy.

When searching for the strongest signal, you may need to adjust the elevation angle up/down a couple of degrees. Refer to the instructions at the bottom of the page if having trouble finding a satellite. After raising the dish to the correct elevation angle, tighten the nuts on the elevation bolts.

Azimuth

Loosen the azimuth hex nuts. Standing directly behind (but not too close to) the unit, align the compass so that it points towards North. Refer to the specified angle that you found in step 8 of the receiver setup. Adjust the unit so that it points in the general direction of the specified angle. Then, slowly rotate the dish 3° at a time, and monitor the signal strength. Repeat until finding the strongest signal. Tighten the azimuth nuts.



elevation bolt azimuth bolts

If you do not come across a satellite on your first attempt at pointing, you may need to change the elevation angle up or down a couple of degrees. Continue to make slow scans of the sky until you locate the satellite. Once you find the satellite, make slight adjustments to both the elevation and azimuth to get the signal as strong as possible. Using a Winegard signal meter (SF1000) and satellite compass (SC2000, sold separately) can help with this step. After making adjustments so that the signal is as strong as possible, tighten the azimuth nuts to prevent the satellite dish from rotating. Keep in mind that buildings, vehicles, people, trees and various other obstructions can weaken or block the signal from the satellite.



Sold Separately



9 **Once accurately pointed**, the signal meter will turn green. Make small adjustments to **get the signal as high as possible**. Check that the bar at the bottom of the screen is green and that the satellite displayed is the desired satellite.



10 Press **Cancel** four times to exit the receiver menu. The receiver setup is complete. As the receiver acquires signal, it will complete a number of steps and then will download your new program guide.

You are now ready to watch TV!

Satellite Antenna with Tripod Kit

DIRECTV Receiver Setup



In most receivers, the setup is done through the "Repeat Satellite Setup" option in your receiver menu. The following instructions are based on a D12 receiver. If your receiver differs from the options shown, you may need to consult your receiver manual. To access the "Repeat Satellite Setup" option, go through these steps. The wording and display used in your receiver may differ slightly.

For Help, Call 1-800-788-4417



1 Press **Menu** on your remote, and then select **Parental, Fav's & Setup**.



2 Select **System Setup**.



3 In your receiver Menu, you will need to identify the Satellite Menu. The Satellite Menu will have an option for **Satellite Setup**.



4 It may require you to press the **DASH (-)** before proceeding (underneath #7 on the remote).



5 If Switch Type displays "SWM" or if given the option of selecting a Switch Type, select **Multiswitch**. Then, set the Dish Type for **Round, 18", Single LNB, or 1 SATELLITE**, depending on the wording used in your receiver. Press **Continue**.



6 Then, select the **Dish Pointing** option. Enter the Zip Code for **your current location**. Then, press **OK**.



7 In the box, it now gives you an **AZIM** (Azimuth Angle) and **ELEV** (Elevation Angle). These are the pointing angles you will need when you go to point the dish. Now select **Signal Strength** to get to the Signal Meter.



8 Select **Signal Meters**.



You'll want to make sure you are looking at **Satellite 101** and **Transponder 1**. If not, use +/- to adjust accordingly.

Now, refer to the **pointing section below**. You'll



Once accurately **pointed**, the signal meter will show a signal strength. You'll want to make small adjustments to **get the signal as high as possible**. Once the signal is peaked, select **Done**.

want to have someone watch or listen to the signal meter at the bottom of the screen while pointing. **After pointing, continue with step 10.**



In the last step, your setup will be verified.



Once your setup is verified, you may need to download a program guide.

You are now ready to watch TV!

Pointing the Home Digital Satellite Antenna

Elevation

Loosen the elevation bolts on either side of the back-up/feed support assy. Raise the dish to the specified elevation angle that you found in step 8 of the receiver setup. The red line on the back-up/feed support assy., shown next to the elevation bolt, should line up with the correct angle stamped into the back-up/feed support assy.

When searching for the strongest signal, you may need to adjust the elevation angle up/down a couple of degrees. Refer to the instructions at the bottom of the page if having trouble finding a satellite. After raising the dish to the correct elevation angle, tighten the nuts on the elevation bolts.

Azimuth

Loosen the azimuth hex nuts. Standing directly behind (but not too close to) the unit, align the compass so that it points towards North. Refer to the specified angle that you found in step 8 of the receiver setup. Adjust the unit so that it points in the general direction of the specified angle. Then, slowly rotate the dish 3° at a time, and monitor the signal strength. Repeat until finding the strongest signal. Tighten the azimuth nuts.



elevation bolt azimuth bolts

If you do not come across a satellite on your first attempt at pointing, you may need to change the elevation angle up or down a couple of degrees. Continue to make slow scans of the sky until you locate the satellite. Once you find the satellite, make slight adjustments to both the elevation and azimuth to get the signal as strong as possible. Using a Winegard signal meter (SF1000) and satellite compass (SC2000 sold separately) can help with this step. After making adjustments so that the signal is as strong as possible, tighten the azimuth nuts to prevent the satellite dish from rotating.

Keep in mind that buildings, vehicles, people, trees and various other obstructions can weaken or block the signal from the satellite.



Sold Separately



This screen will show your signal strength on all transponders. Select **Done** to continue.



Select **Continue** to verify your setup.

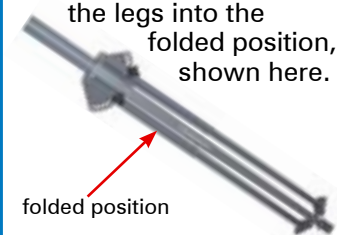
Follow steps 13 and 14 on the next page to complete DIRECTV receiver setup.

Storing the Tripod

1 Remove the satellite antenna from the top of the tripod mast.



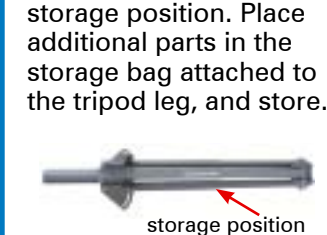
2 Loosen the three lock knobs on the tripod base, and collapse the legs into the folded position, shown here.



3 Push in the tabs on either side of a leg, and slide the leg toward the tripod base until the leg locks into the storage position. Repeat for each leg.



4 Tighten the three lock knobs. The tripod is now in the storage position. Place additional parts in the storage bag attached to the tripod leg, and store.



Disassembling the Home Digital Satellite Antenna

1 Work carefully while disassembling so that parts are not damaged or lost. After all parts are disassembled, store the parts in a safe place. This way, the satellite dish can easily be reassembled at another time or location.

2 Loosen the azimuth hex nuts on the back-up/feed support assy.



3 Slide the satellite antenna up and off of the tripod mast.



4 Loosen the 10-32 hex nut on the feed arm. Remove the 10-32 hex nut and the 1-1/4" carriage bolt.



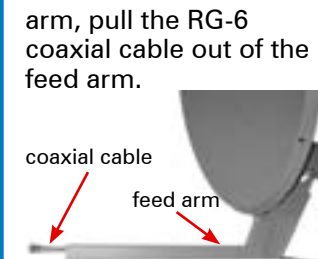
5 Pull apart the LNBF and the feed arm.



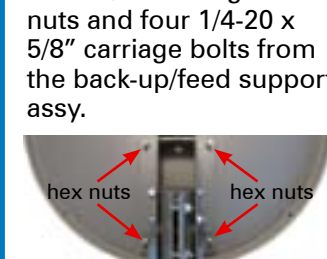
6 Unscrew the RG-6 coaxial cable from the LNBF port.



7 Working from the back of the feed arm, pull the RG-6 coaxial cable out of the feed arm.



8 Remove the four 1/4-20 flange hex nuts and four 1/4-20 x 5/8" carriage bolts from the back-up/feed support assy.



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Winegard Company warrants this product against defects in materials or workmanship for a period of two (2) 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 3111 Kirkwood 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.

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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 e-mail 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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