Winegard ConnecT WiFi Antennas

WF1

4G1
Installing the Winegard ConnecT Antenna

**Exterior Installation**

1) Remove each antenna from the protective bag and screw it into an open port on the outdoor unit (ODU). See Figure 7.1.

2) Firmly tighten each antenna by hand. If using a wrench, do not overtighten the antenna as the antennas or housing may become damaged. The antennas should be tightened to 20–25 inch pounds of torque.

3) Attach the mounting feet to the unit by threading the provided nuts to the post on the mounting feet. Tighten nuts using an 11/32” wrench. See Figure 7.1.

4) Place the unit on the roof in the chosen location. Connect the cable to the ODU. Ensure that the Ethernet cable exits the unit towards the back of the vehicle. See Figure 7.2.

**WARNINGS:**

- Do not paint any portion of the Winegard® ConnecT™. Painting the system could damage the system and will void the warranty.
- Do not mount closer than 12 inches from the edge of the roof.
- Do not mount closer than 24 inches from adjacent devices.
- Do not mount the outdoor unit (ODU) with the cable facing the front of the vehicle.

**TIP:** Clean the roof where the unit will be mounted to ensure a good seal.
**Exterior Installation cont.**

5) Using a 1/8" drill bit, pre-drill the holes for each of the screws to hold the mounting feet in place.

6) Add a small bead of manufacturer approved sealant (not provided) to each hole.

7) Drive the screws through the sealant into each hole until tight. Do not overtighten as it will cause the screw to strip. See NOTE.

8) After the mounting feet are secured, add a small amount of approved sealant around the edge of each mounting foot and over each screw.

9) Place cable entry cover on the ODU and secure using the provided screw.

10) Decide where the indoor unit (IDU) will be mounted inside the vehicle to determine the best location for the Ethernet cable to enter the vehicle. Drill a 3/4" hole through the roof and push the Ethernet cable into the vehicle. Make sure the cable is accessible from the area where the IDU will be located.

11) Add a bead of sealant around the hole for the cable. Place the provided cable entry plate over the hole and cable. Secure cable entry plate in place using the supplied screws. Seal the plate and screws with approved sealant.

12) Secure the cable to the roof every 12–16 inches to eliminate excessive cable movement. Seal the cable to the roof between the unit and cable entry plate. Cable clamps (not provided) may need to be used depending on the distance the cable runs across the roof.

**Interior Installation**

1) Connect the Ethernet cable from the ODU to the POE port on the bottom of the IDU. See Figure 7.3.

2) Plug the power adapter into the IDU. The system may take as long as five minutes before being ready for a WiFi connection.

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

The IDU is designed to allow for multiple mounting options.
Initial Set-Up

**NOTE:** Winegard recommends using Chrome or Firefox for set-up.

1) Turn on the WiFi enabled device that you want to connect and scan for wireless networks with this device.

2) The label located on the the back of the IDU will display the default SSID and password. Select WiFi signal and connect. Once the IDU has been selected, enter the password. Figure 1.

3) Once connected, open an Internet browser and type 10.11.12.1 into the address bar and press Enter. This will take you to the Status Screen for the IDU. Figure 2.
   - Login using:
     - Username: admin
     - Password: admin

   The Winegard ConnecT 4G1 can access the Internet two different ways: from a local WiFi network or a 4G/LTE network.

4) To connect to a 4G/LTE network, select 4G/LTE Only from the Internet access menu. Then click SELECT. Figure 3.

   **WARNING:** Connecting to the Internet through 4G/LTE will use data from your Winegard Connect Data Plan.

5) To add data to the 4G1 from the status screen, choose DATA PLAN from the drop down menu and click SELECT. Once on the data plan screen, you can see how much data you have remaining or click the link to winegard.com/connect and follow the steps. Figure 4.

   **WARNING:** In order to get to winegard.com/connect you must be connected to an internet source.

6) To connect to a WiFi network, select SCAN FOR AVAILABLE WiFi to bring up a list of all WiFi signals in range (this could take a few minutes). The Winegard ConnecT 4G1 will display available networks by signal strength. Select the desired network and click CONTINUE. Figure 5.
7) Enter the network password, if prompted. Once the Winegard ConnecT connects, the status screen will display the page shown in Figure 6. When INTERNET STATUS shows connected to the chosen network, (this could take as long as two minutes) the system is ready to browse. Figure 6.

**NOTE:** Some networks will display a “splash page” when connecting instead of using a network password.

**NOTE:** When connecting to a network requiring a splash screen for multiple days, it may be necessary to clear your browser cache.

### Updating the Winegard ConnecT Software

**NOTE:** To retain all passwords and name changes during updates, click “Keep Settings”.

When first setting up the Winegard ConnecT it is recommended to check for software updates the first time the system is connected to an Internet signal. There are two different ways to check for updates: from network and from drive.

**NOTE:** Updating the system software from the network will require the Winegard ConnecT to be connected to an Internet source.

#### From Network

1) From the Status Screen, choose UPDATE SOFTWARE from the drop down menu and click SELECT.

2) Once on the update software screen, click CHECK FOR LATEST VERSION. See Figure 7.

3) There will be a slight delay while the Winegard ConnecT compares the current software version to the latest available version. If you have the latest version there is no need to update the software. If the check finds that you have older software, click PROCEED to update to the latest version. See Figure 8.

4) The system will be unavailable for several minutes while the IDU and ODU reset. As these power back on, the system will function normally.

#### Return to Factory Defaults

To return to factory default SSID and password, press the reset button located on the IDU for ten seconds. See Figure 9.

**WARNING:** All changes will be lost and unit will return to factory default SSID and password. To begin setup, please refer to “Uploading the Winegard ConnecT Software.”
<table>
<thead>
<tr>
<th>QUESTION</th>
<th>ANSWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Am I able to paint the Winegard ConnecT?</td>
<td>Do not paint any portion of the WiFi extender. Painting the system could damage the system and will void the warranty.</td>
</tr>
<tr>
<td>Why doesn’t my system have a “Scan for WiFi” button?</td>
<td>One of two things is happening. Either you have logged into the system before the outdoor antenna has fully powered up. Please wait four to five minutes for the system to fully boot before logging in. OR - The Ethernet cable for the outdoor antenna is plugged into the Ethernet port on the indoor unit. Plug it into the port labeled “POE”.</td>
</tr>
<tr>
<td>The system says that it is connected, why won’t web pages load?</td>
<td>Some WiFi sources do not require a password to connect but do require something before they will let you use their network. In these cases, they will often have a &quot;SPLASH&quot; page that requires you to either agree to their rules or enter a password before they will allow you to use their network. These pages will not always load on the web browser that you select but instead open on your device’s default browser. Sometimes browsing to a web page will also bring up this splash page.</td>
</tr>
<tr>
<td>The system keeps making me log in every time I try to change screens…</td>
<td>Check to see if you have a second window open on the Winegard ConnecT status screen. Close this window and the problem should go away.</td>
</tr>
<tr>
<td>What if I forget my password?</td>
<td>If you have not changed your default password, it will be listed on the back of the indoor unit. If you have changed this password, you can reset the unit using the RESET button on the bottom of your indoor unit. Press this button and your system will return to the factory settings. Once reset, the default password will unlock your system.</td>
</tr>
<tr>
<td>I changed my password and nothing happened.</td>
<td>The Winegard ConnecT will reject any password that is not long enough. Try entering a password of at least eight characters. This will improve the security of your devices.</td>
</tr>
<tr>
<td>What do I do if 10.11.12.1 does not bring up the login screen?</td>
<td>One of several things has happened. The first thing to check is the WiFi signal that your model is connected to. If this is not the Winegard ConnecT SSID, this address isn’t valid. If you are indeed connected to the correct network, the address may have been changed. To resolve this, press the reset button on the bottom of your indoor unit. This will return the unit to its factory settings.</td>
</tr>
<tr>
<td>My default SSID does not appear on my device when I search for it</td>
<td>When the Winegard ConnecT first powers on or has reset for any reason, it stops broadcasting the SSID. It may take between four and five minutes from the time it regained power to start broadcasting again.</td>
</tr>
<tr>
<td>I changed my Winegard ConnecT SSID and was disconnected.</td>
<td>This is normal. The old SSID that you were connected to is no longer valid, simply open your device’s WiFi screen and search for the name you chose for your network. Select this and enter the password.</td>
</tr>
<tr>
<td>I am connected to a network but the speed isn’t very good.</td>
<td>The Winegard ConnecT can only extend the signal range for what is available. Try moving closer to the source of the signal and logging on with your device directly. If the speed is still slow, try searching for another available network.</td>
</tr>
</tbody>
</table>

**LED DEFINITION:**

- **Slow Orange Blink**: The Winegard ConnecT IDU is searching for an ODU.
- **Solid Orange**: The Winegard ConnecT IDU has found an ODU and is supplying power. Waiting for a response from the ODU.
- **Fast Orange Blink**: The Winegard ConnecT IDU has received a response from the ODU and is waiting for a network connection.
- **Slow Red Blink**: The Winegard ConnecT IDU is connected by the PoE port to a device other than an ODU. Please connect the PoE port to the ODU only.
- **Solid Green**: The Winegard ConnecT IDU is connected to an ODU and has an internet connection available.
- **Fast Green Blink**: The Winegard ConnecT ODU is being updated with a new image.
- **Alternating Green & Orange Blink**: The Winegard ConnecT IDU is being updated with a new image.

**STATUS SCREEN MESSAGES:**

<table>
<thead>
<tr>
<th>Status Message</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Connected to WiFi XXXX</strong></td>
<td>The Winegard ConnecT unit is communicating with the source WiFi signal and working. If you are unable to connect to the internet, the source signal may have a problem.</td>
</tr>
<tr>
<td><strong>Scanning</strong></td>
<td>The Winegard ConnecT unit is looking for WiFi signals in range. This can take a few minutes. Once the unit is able to identify all of the signals, they will be listed and you will be able to choose one.</td>
</tr>
<tr>
<td><strong>Trying to Connect to WiFi XXXX</strong></td>
<td>You have selected a source signal and the Winegard ConnecT unit is attempting to connect to this source. Once connected, the message should change to “Connect to…”</td>
</tr>
<tr>
<td><strong>Logging into WiFi XXXX</strong></td>
<td>The source signal is password protected. This message will be displayed after you have entered the correct password and the two systems work out the security protocols.</td>
</tr>
<tr>
<td><strong>Bad Password</strong></td>
<td>The source signal is password protected. This message will be displayed after you have entered an incorrect password and the source system has rejected the connection. Generally this screen will only be seen if the source signal is distant or weak. Normally, the password will be rejected on the network password screen.</td>
</tr>
<tr>
<td><strong>Not Connected</strong></td>
<td>The Winegard ConnecT system is not connected to a network.</td>
</tr>
<tr>
<td><strong>Connecting to WiFi XXXX</strong></td>
<td>The Winegard ConnecT system is talking to the selected source signal and a connection is being made. This will generally only take a minute or two.</td>
</tr>
</tbody>
</table>