

Part# 301121

Part# 301151

Specifications

Part Number	301121 & 301151
Frequency Range	824-894 / 1710-1880 / 1850-1990 / 2110-2170 MHz
Gain	2.5 / 3.5 / 4.1 / 1.5 dBi
Polarization	Vertical
Max Power	50 watts
Impedance	301121-50 ohms / 301151-75 ohms
Connector	N-Female
Diameter	8 (inch) / 20.32 (cm)



This package contains: Dual-Polarity Dome Antenna (part# 301121 or part# 301123 or part#301151), antenna installation kit, template with instructions for installing on the ceiling and for installing on the wall. See reverse side for other installation template.

TECHNICAL SUPPORT Call Toll-Free 866-294-1660

E-mail tech@wilsonelectronics.com

Visit www.WilsonElectronics.com



3301 East Deseret Drive, St. George, Utah 84790

For additional technical support visit

www.WilsonElectronics.com

Phone: 866-294-1660

Part # 301121

Multi-Band Dome Antenna

Installation Instructions and Template

The Multi-Band Dome Antenna is designed for horizontal installation on a ceiling. It is **not** designed for a vertical or slanted surface, such as a wall.

screw
location



screw
location



Select a location on the ceiling that you can access from above to run the antenna cable. Verify that your chosen location allows for the necessary separation between the dome antenna and the outside antenna (see signal booster installation instructions for antenna separation requirements).

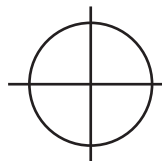
Tape this template in the selected antenna location. NOTE: ensure that the cable connector location (marked by ⊕) is NOT below a ceiling stud. Drill a 5/8-inch hole in the template at the spot marked ⊕. Feed the cable from above through the hole.

Included are two sets of mounting hardware: A) 3 bolts with nuts and washers, B) 3 self-starting screws, and 3 mounting plugs.

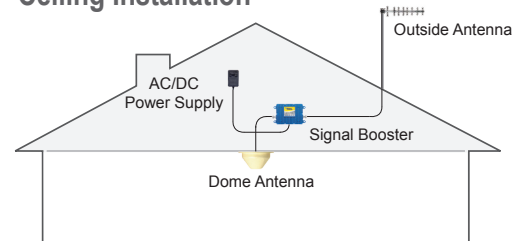
A) If using the bolts, drill a 1/8" hole through each of the small circles marked "screw location." Remove template from the ceiling, attach the dome antenna to the signal booster cable, insert the bolts through the drilled holes, and tighten against the ceiling with the enclosed nuts and washers. Snap the plugs into place on the mounting holes.

B) If using the self-starting screws, mark the screw locations, remove the template, and attach the signal booster cable to the dome antenna. Place the antenna flush against the ceiling and screw in the self-starting screws until snug. Be careful not to over-tighten. Snap the plugs into place on the mounting holes.

If you have any questions about the installation procedure, please contact our Technical Support Team toll free at 866-294-1660 or email tech@wilsonelectronics.com.



Ceiling Installation



screw
location

Specifications

Part Number	301123	
Frequency Range	700-800 MHz	824-894 MHz
Nominal Gain	5.4 dBi	5.54 dBi
Beamwidth Horizontal Plane	360°	
Beamwidth Vertical Plane	150°	
Polarization	Horizontal and Vertical	
Impedance	50 ohms	
VSWR	1.5 : 1	
Connector	N-Female	
Diameter	7.72 (inch) / 19.6 (cm)	
Weight	0.69 lbs / 0.31 kg	



Part# 301123

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cable
notch

Part # 301123

Dual-Polarity Dome Antenna Installation Instructions and Guide

The Dual-Polarity Dome Antenna can be installed
on the wall or ceiling.

screw
location



Find desired location for the dome antenna. Verify the dome antenna and the outside antenna have necessary separation (see signal booster instructions for separation requirements).

For Best Results: The dome antenna should be installed at least seven feet above the floor.

Place the template where the dome antenna will be installed.

Attach the template with masking tape or other suitable adhesive tape. NOTE: make sure holes that need to be drilled are NOT over a ceiling or wall stud.

If you would like to run the cable into the ceiling or wall, drill a one inch hole in the middle of the template indicated by ⊕. The dome antenna has a notch on the edge of the antenna (see the top of the template) where cable can be run, so drilling a hole is not necessary.

Included are two (2) sets of installation screws; **A)** 3 bolts with nuts and washers, **B)** 3 self-starting screws.

A) If using the included bolts, drill a 1/8" hole through each of the three small circles marked "screw location". Remove template, attach the signal booster cable to the dome antenna, put the bolts through the drilled holes and tighten down with included nuts and washers. Be careful not to over tighten.

B) If using the self-starting screws, mark the screw locations, remove the template and attach the signal booster cable to the dome antenna. Place the dome antenna flush against the wall or ceiling and screw in the self-starting screws until snug. Be careful not to over tighten.

For any questions or comments, please contact our Technical Support Team toll free at 866-294-1660 or tech@wilsonelectronics.com

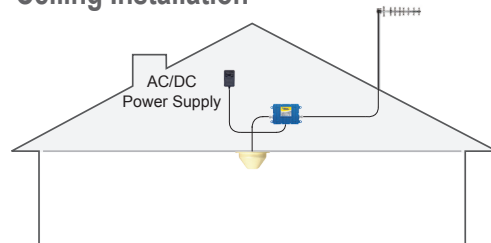
screw
location



screw
location



Ceiling Installation



Wall Installation

