

# Antenna Installation Guide

## Wall mount Wide-Band Panel Antenna

Wall - 50 Ohms PART# 301135  
Upgrade - 50 Ohms PART# 301147  
Wall - 75 Ohms PART# 301155



The Wide-Band Panel Antenna is vertically polarized. For optimum performance, install the antenna with the cable running from the bottom or the top.

## Wilson Signal Boosters Amplify Coverage

When used in conjunction with your antenna, a Wilson Electronics Signal Booster can improve your cell phone and laptop data card coverage area more than 20 times. Wilson Electronics manufactures a wide range of Wireless and Direct-Connect Signal Boosters for mobile, M2M or in-building use. See your dealer for details or visit [www.WilsonElectronics.com](http://www.WilsonElectronics.com).



### Inside this Package:



Wide-Band  
Panel Antenna  
(301135, 301147,  
301155)



Antenna Installation Kit  
Wall Mount

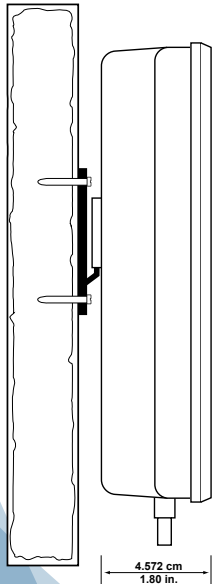


In-Wall Mounting  
Bracket  
(901123)

### Optional:

(Sold Separately)

## Inside Antenna Wall Installation



Find the desired location for the Panel Antenna. Verify that the Panel Antenna and the Outside Antenna have the necessary separation (see Signal Booster instructions for requirements).

For optimum results, the antenna should be mounted a minimum of 6 feet from the floor. Place the template where the Panel Antenna is to be installed.

Attach the template with masking tape or other suitable adhesive tape.

Utilize Wall Mount Bracket (see Figure 1 on page 2) as your template. Drill out the four holes for the screws in the wall, using a 3/16 size drill bit, following your template. Install wall anchors provided with a small hammer. Place the mounting bracket over the wall anchors, insert the screws and tighten. Slide the Panel Antenna onto the wall mount bracket.

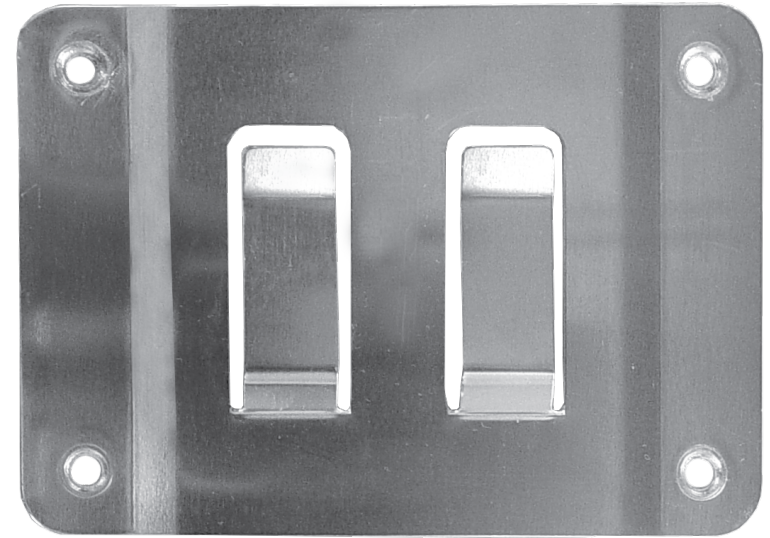


Figure 1: Wall Mount

### 30-Day Money-Back Guarantee

All Wilson Electronics products are protected by Wilson Electronics 30-day money-back guarantee. If, for any reason, the performance of any product is not acceptable, simply return the product directly to the reseller with a dated proof of purchase.

### 90-Day Warranty

Wilson Electronics antennas are warranted for ninety (90) days against defects in workmanship and/or materials. Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase.

Antennas may also be returned directly to the manufacturer at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by Wilson Electronics. Wilson Electronics shall, at its option, either repair or replace the product. Wilson Electronics will pay for delivery of the repaired or replaced product back to the original consumer.

This warranty does not apply to any antennas determined by Wilson Electronics to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

RMA numbers may be obtained by phoning Technical Support at 866-294-1660.

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# Antenna Specifications

Part Number	301135	301147	301155
Frequency Range	700-800 MHz / 824-894 MHz / 880-960 MHz / 1710-1880 MHz 1850-1900 MHz / 2110-2170 MHz		
Impedance	50 ohms		75 ohm
Gain	5.2 dBi 700-800 MHz / 4.4 dBi 824-894 MHz / 4.2 dBi 880-960 MHz / 10.1 dBi 1710-1880 MHz / 10.6 dBi 1850-1990 MHz / 8.2 dBi 2110-2170 MHz		
Polarization	Vertical		
Beamwidth Horizontal Plane	70 / 60 Deg		
Beamwidth Vertical Plane	50 / 45 Deg		
Max Power	50 watts		
Connector	N-Female		F-Female
Dimension	8.70 x 7.00 x 1.80 (inch) / 22.098 x 17.78 x 4.572 (cm)		
Weight	1.32 lbs / 0.6 kg		



3301 East Deseret Drive, St. George, UT 84790  
 For additional Technical Support visit [www.WilsonElectronics.com](http://www.WilsonElectronics.com)  
 or email at: [tech@wilsonelectronics.com](mailto:tech@wilsonelectronics.com)  
 Phone: 866-294-1660 Local: 435-673-5021 Fax: 435-656-2432  
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