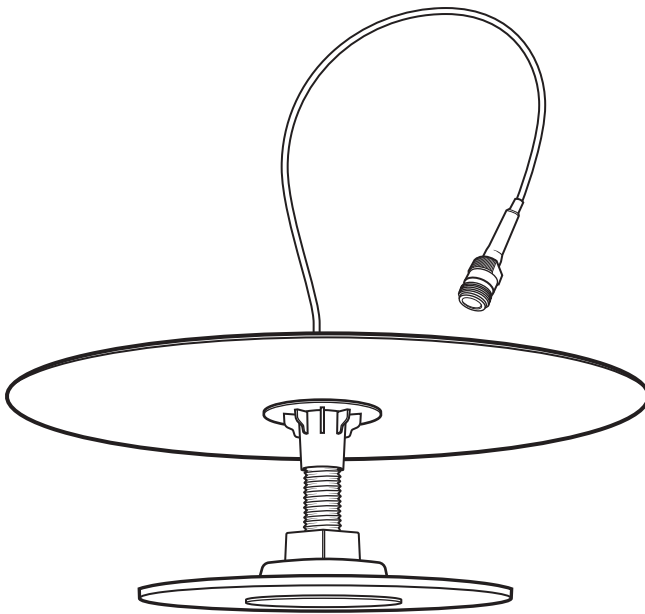


4G Low-Profile Dome Antenna

Ultrathin Radome Antenna

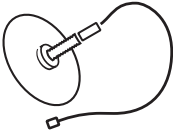


User Manual

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Package Contents



Low-Profile
Dome Antenna



Reflector



Collar

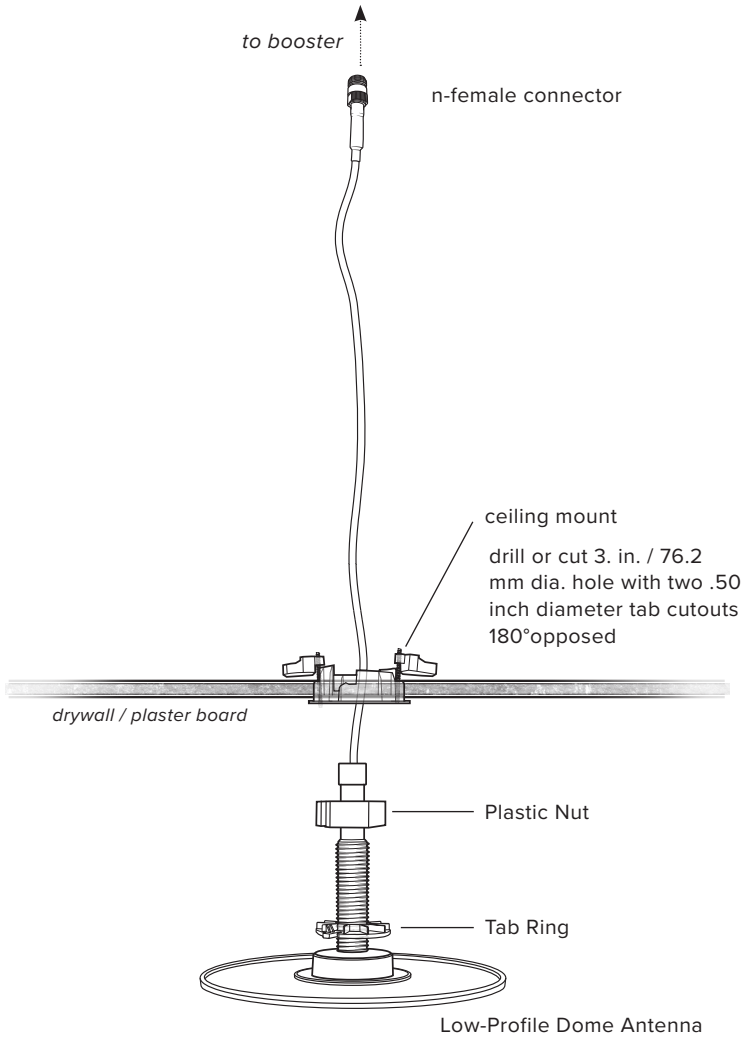


Nut

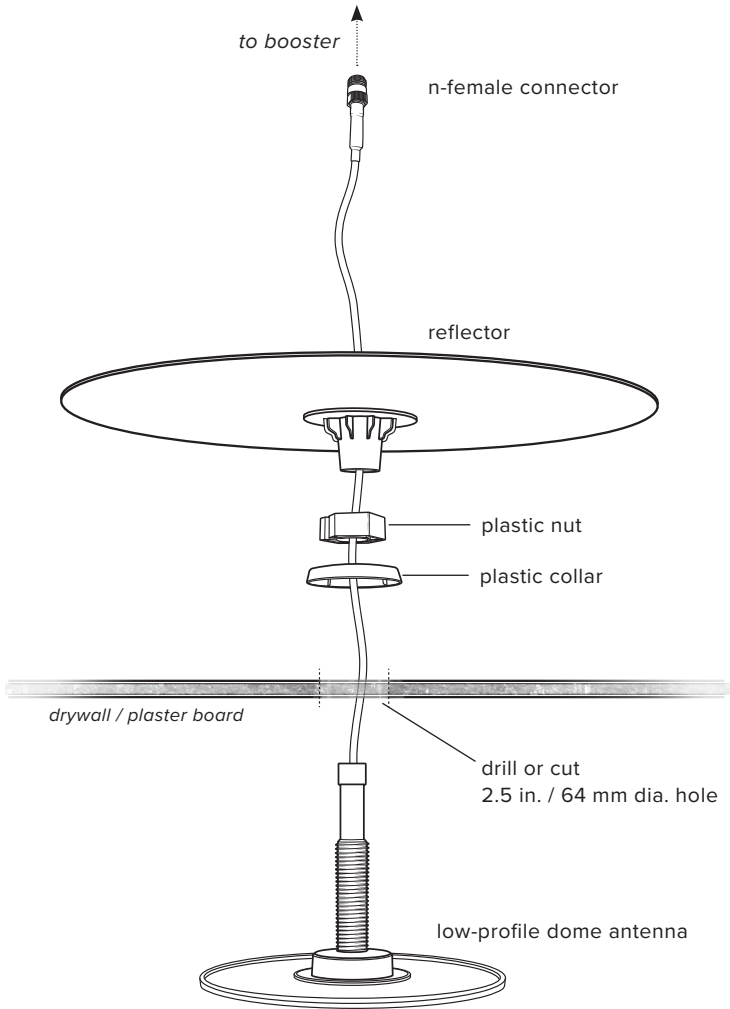


Ceiling Mount
& Tab Ring
*for hard ceiling
mounting*

Assembly Diagram: With Ceiling Mount

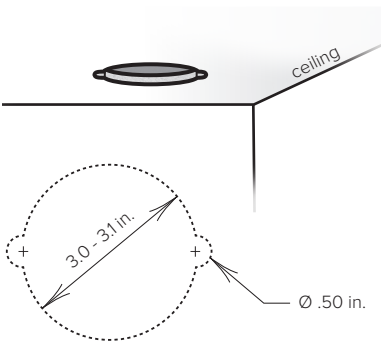


Assembly Diagram: With Reflector

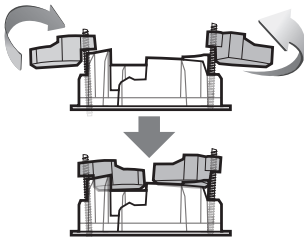


Installation: Ceiling Mount

This insert is used to allow low-profile dome antennas to be installed when there is no access to the area above the ceiling (like drywall or plaster board) other than a hole to fish the wire through.



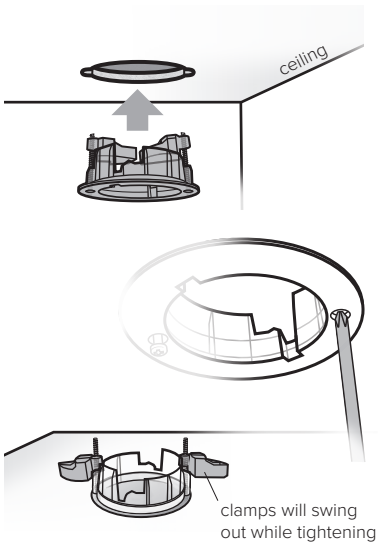
- 1 Drill or cut a hole 3.0-3.1 in. (76.2-78.74 mm) in drywall with two 0.5 in. (12.7 mm) diameter tab cutouts 180° opposed.



- 2 Swing the two clamps on the ceiling collar toward the inside.

NOTE: The clamps are limited in how far they can swing in one direction due to the side wall of the sleeve. Swing other direction.

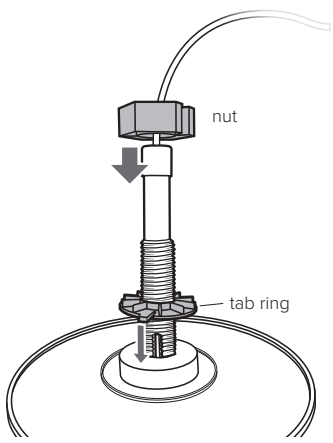
(Installation: Ceiling Mount cont.)



3

Insert mounting sleeve into the hole of drywall and tighten. The clamps will swing out and brace the ceiling collar against the drywall while tightening.

NOTE: Do not over tighten.



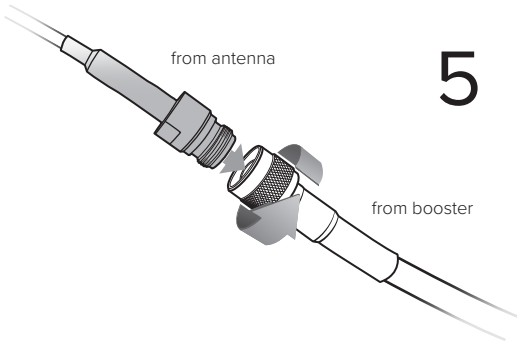
4

Mount tab ring onto antenna and tighten nut firmly.

NOTE: The Collar is not used with Ceiling Mount.

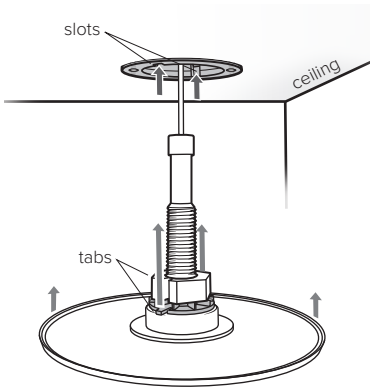
NOTE: The text "THIS SIDE UP" on the tab ring for the assembly direction.

(Installation: Ceiling Mount cont.)



5

Connect antenna cable to booster cable.

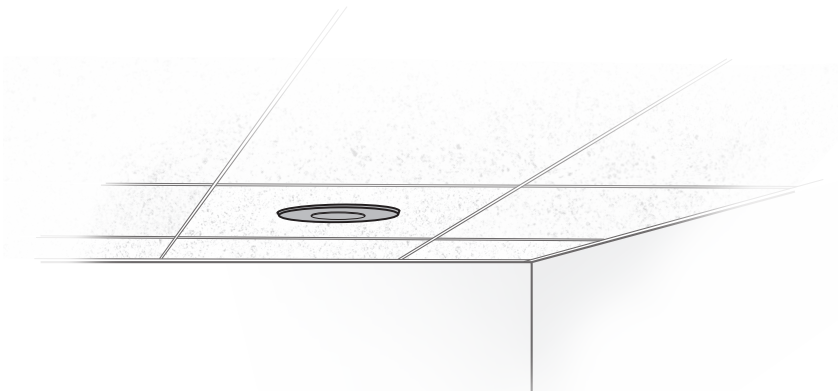


6

Align tab ring tabs with slots in ceiling mount and insert antenna.

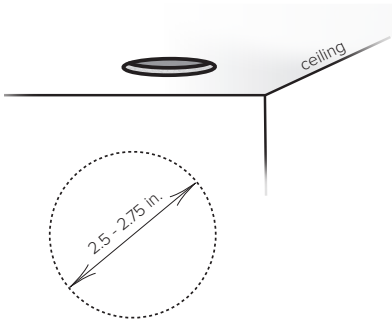
Twist antenna clockwise 1/8th of a turn to lock in place. Antenna is now fixed in place.

NOTE: Antenna can be removed from ceiling mount without damage. Simply rotate back 1/8 turn.



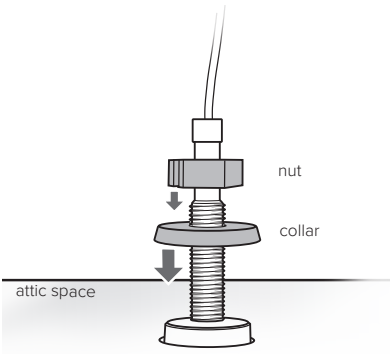
Installation: Without Ceiling Mount

This option is used if attic access is available, in which the reflector can be used to increase performance.



- 1 Drill or cut a hole 2.5-2.75 in. (64-70mm) in center of ceiling tile or at desired location.

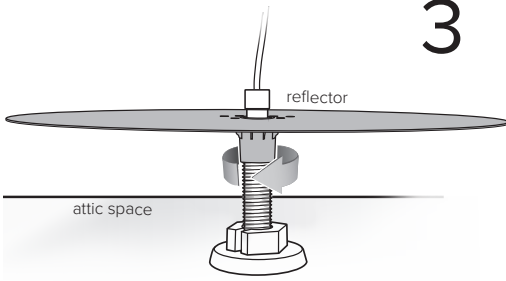
NOTE: For optimum performance, metal ceiling rails need to be a minimum 7.875 in. (200mm) from the antenna center.



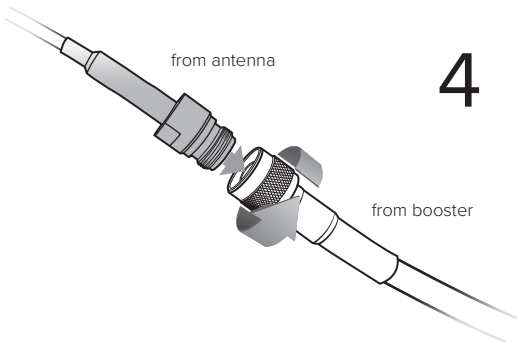
- 2 Slide the antenna/assembly through the hole. Slide the collar and nut onto the cable. Turn the nut, tightening the antenna against the ceiling.

NOTE: Fiberboard ceiling tile is soft; tighten the nut just enough to hold the antenna firmly in place.

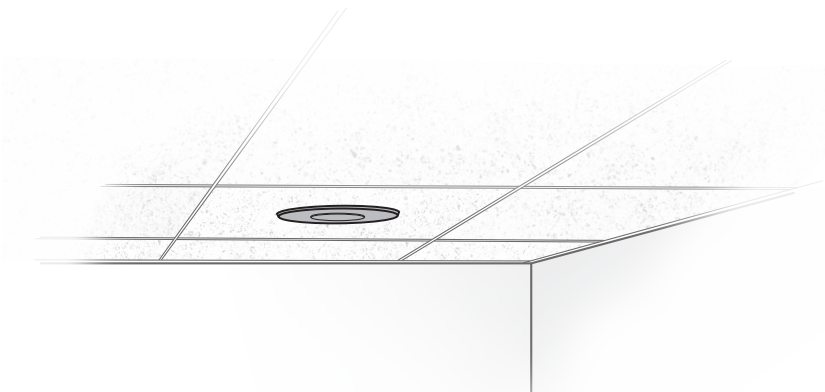
(Installation: Without Ceiling Mount cont.)



3 Thread the reflector onto the antenna stem.



4 Connect antenna cable to booster cable.



Specifications

ANTENNA ELECTRICAL SPEC. WITH REFLECTOR

Frequency Band (MHz)	608-960 / 1695-2200 / 2300-2700
Nominal Impedance	50
VSWR (698-960 MHz)	2:1
VSWR (1695-2200 MHz)	2:1
Average Peak Gain (608-960 MHz)	7 dBi
Average Peak Gain (1695-2200 MHz)	7 dBi
Average Peak Gain (2300-2700 MHz)	5 dBi
Efficiency (608-960 MHz)	70%
Efficiency (1695-2200 MHz)	65%
Efficiency (2300-2700 MHz)	60%
Horizontal Plane (th=45deg)	Omni
HPBW Vertical Plane (608-960 MHz)	90° Typ
HPBW Vertical Plane (1695-2200 MHz)	25° Typ
HPBW Vertical Plane (2300-2700 MHz)	25° Typ
Maximum Power Input	40 W
Cable Type	Diameter 0.16 in. Low Loss, Plenum Rated
Cable Length	10 in. / 254mm
Connector Type	N-Female

ANTENNA ELECTRICAL SPEC. WITHOUT REFLECTOR

Frequency Band (MHz)	608-960 / 1695-2200 / 2300-2700
Nominal Impedance	50
VSWR (698-960 MHz)	2:1
VSWR (1695-2200 MHz)	2:1
Average Peak Gain (608-960 MHz)	4 dBi
Average Peak Gain (1695-2200 MHz)	6 dBi
Average Peak Gain (2300-2700 MHz)	6 dBi
Efficiency (608-960 MHz)	70%
Efficiency (1695-2200 MHz)	65%
Efficiency (2300-2700 MHz)	60%
Horizontal Plane (th=45deg)	Omni
HPBW Vertical Plane (608-960 MHz)	100° Typ
HPBW Vertical Plane (1695-2200 MHz)	130° Typ
HPBW Vertical Plane (2300-2700 MHz)	130° Typ
Maximum Power Input	40 W
Cable Type	Diameter 0.16 in. Low Loss, Plenum Rated
Cable Length	10 in. / 254mm
Connector Type	N-Female

NEED HELP?



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866.294.1660



2 YEAR WARRANTY

Wilson Electronics Signal Boosters are warranted for two (2) years 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 if located within the continental U.S.

Replacement products may include refurbished Wilson Electronicst products that have been recertified to conform with product specifications.

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 contacting Technical Support at 866-294-1660.

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3301 East Deseret Drive, St. George, UT

866.294.1660

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