



ENTERPRISE 4340


In-Building Cell Signal Amplifier with
Multi-Tower Targeting (MTT) Technology



Installation Guide

ENGLISH

NEED HELP?

 wilsonpro.com

 866.294.1660

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Package Contents

Enterprise 4340 SKU 460076



Enterprise 4340
Amplifier



Wide Band Directional
Antenna
(314411)



Dome Antennas
(qty. 4)
(304412)



30 m. (100 ft.)
Wilson400 Cable (qty. 5)
(952300)



60 cm. (2 ft.)
Wilson400 Cable
(952302)



50 Ohm Lightning
Surge Protector
(859902)



Terminal Mount
Hinged Antenna

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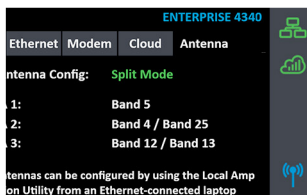
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Terminal Mount
Hinged Antenna

Enterprise 4340

In-Building Cell Signal Amplifier Systems



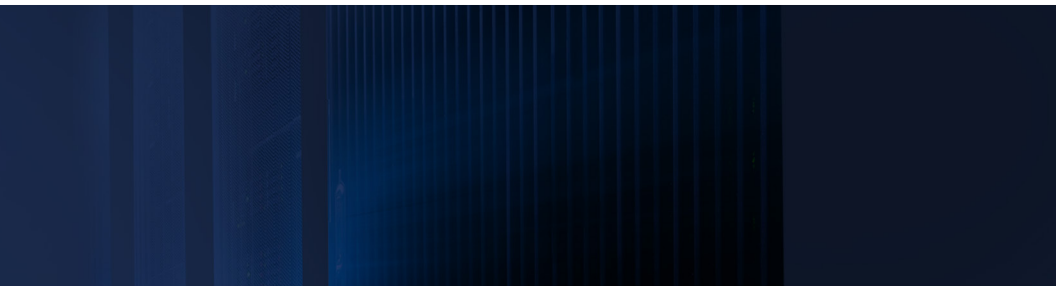
Frequency-specific “split mode” option, facilitating separate outdoor antennas for different bands, resulting in improved indoor coverage.



Remote system monitoring. Connects to WilsonPro Cloud service via internal, pre-activated LTE modem or Ethernet.



High max uplink power (up to +26 dBm): will reach distant cell towers.



The Enterprise 4340 cell signal amplifier systems provides significantly enhanced 4G LTE and 5G coverage inside buildings where cell signals may not otherwise penetrate. Installation of an Enterprise 4340 cell signal amplifier system results in fewer dropped calls, improved voice quality, uninterrupted texts, and faster data speeds—along with better audio and video streaming.

For installers and integrators, subscribing to the WilsonPro Cloud means you can sell your clients extended service plans, generating recurring revenue streams for your business. And for your clients, the WilsonPro Cloud provides ultra-high system reliability and guaranteed uptime.

The Enterprise 4340 amplifiers connect to the WilsonPro Cloud right out of the box via an LTE connection through the outside antenna, or through a standard hardwired Ethernet port. The wireless LTE connection is included in the annual WilsonPro Cloud subscription, so no additional Internet connection is required.

The Enterprise 4340 cell signal amplifier systems also incorporate Wilson Electronics' state-of-the-art XDR (eXtended Dynamic Range) technology that prevents signal overload conditions which can, in accordance with regulations, force the amplifier to shut down. When the Enterprise 4340 cell signal amplifier systems sense that any incoming cell signal is too strong and threatens to overload the system, XDR automatically reduces amplifier gain to compensate while maintaining signal coverage throughout the building. The Enterprise 4340 cell signal amplifier systems incorporate an easy-to-use color LCD touch screen, and all antenna ports are located on the same side of the unit for simple installation. Like all WilsonPro cell signal amplifiers, the Enterprise 4340 cell signal amplifier systems are universal: they work for all cellular devices, all services and all U.S. and Canada cell phone carriers.

Additional Features



Cellular Network Scanning: Provides RSRP (Reference Signal Received Power) and RSRQ (Reference Signal Received Quality) for major cellular carriers in the U.S. and Canada, measured at the indoor antenna ports.



Extended Dynamic Range (XDR) for continuous connectivity: XDR lets the Enterprise 4340 system work with an incoming signal and never shut down due to a strong outside signal.



Choice of Wall-Mount or Rack-Mount Installation: All indoor and outdoor port(s) are located on top of the amplifier for easy antenna connections, while an exposed mounting flange on each amplifier provides for simple installation.



Onboard Software for Intelligent Control: The amplifier is automatically controlled by onboard software, ensuring connectivity throughout large spaces and multi-story buildings. The amplifier will adjust its gain level up or down as required by the conditions of the immediate signal environment.



Color LCD Touch Screen: The Enterprise 4340 system utilize a color LCD touch screen, for assessing amplifier performance and viewing amplifier configuration.



Independently Controlled Ports: Four independently controlled indoor antenna ports facilitating up to 100,000 sq. ft. of indoor coverage.

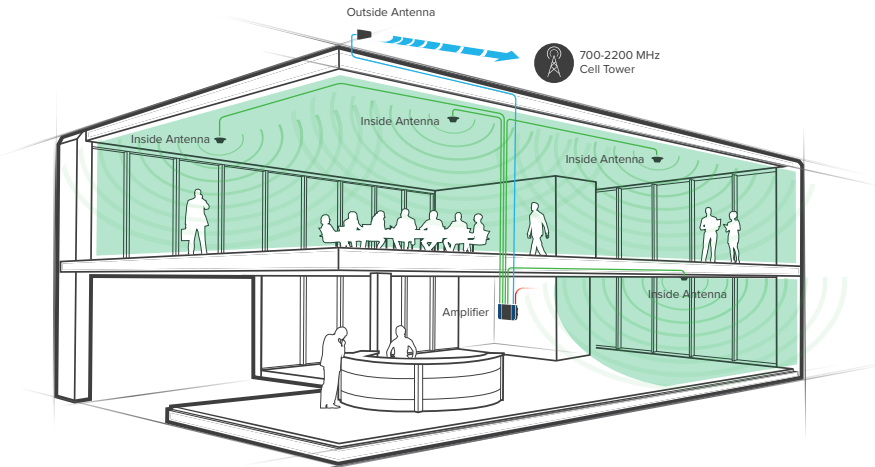
Installation Diagram

The Enterprise 4340 supports up to four inside antennas and are capable of operating in traditional **Common Mode**, in which all amplifier cell bands use the same outdoor antenna, or **Split Mode**, in which cell bands use separate outdoor antennas.

Common Mode

Common mode can be used for an installation in which cell towers for different bands are located in the same direction.

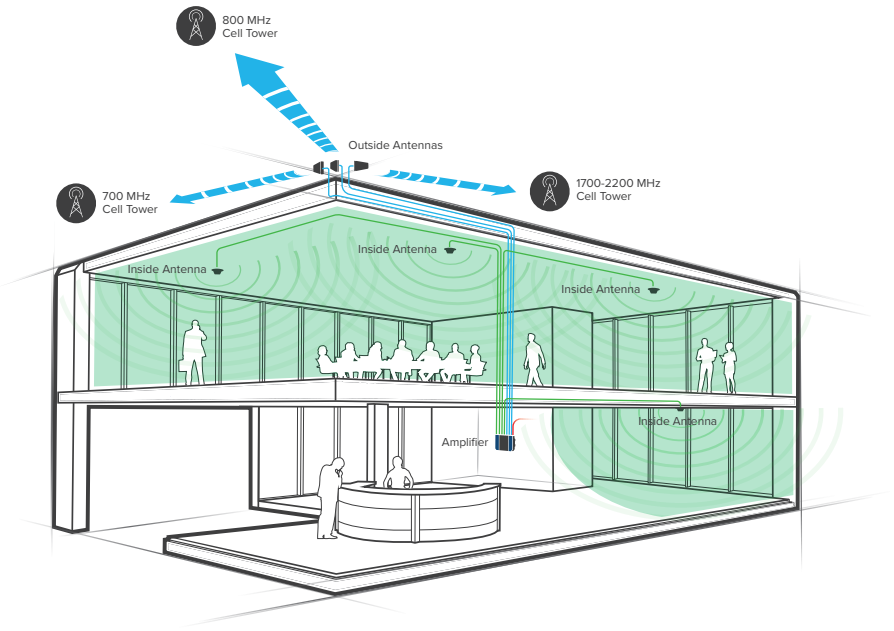
Note: The Enterprise 4340 is configured to common mode by default.



Note: A Wilson Lightning Surge Protector is recommended for all building installations. Make sure the protector is installed outside the building at point of entry connected to a suitable ground and in line between the Outside Antennas and the Signal Amplifier.

Split Mode

Split mode is advantageous for an installation in which cell towers for different bands are located in different directions. Outdoor directional antennas can be pointed to provide maximum cell coverage for each band.

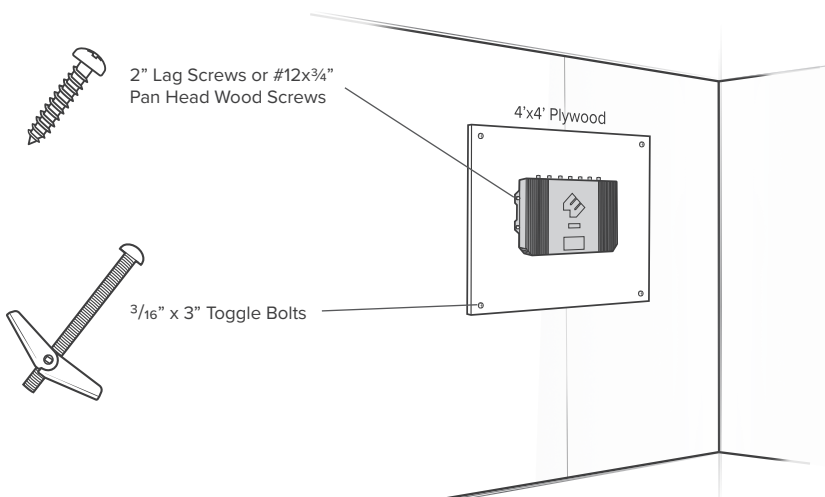


Mounting Specifications

Wall Mounting Installation (for most situations)

Fasten a sheet of 4'x4'x $\frac{3}{4}$ " plywood utilizing 4 x $\frac{3}{16}$ "x 3" toggle bolts with a minimum tensile rating of 35 lbs, then use 4x #12 x $\frac{3}{4}$ " Pan Head Wood Screws or $\frac{1}{2}$ " x 2" lag screws to secure the booster to the plywood.

Before assembling and mounting on the wall mount, please reference the below diagram:



WARNING: Proper installation environment to reduce risks related to the environment, the unit must be installed indoors only. It is the consumer's responsibility to ensure that structural engineering requirements for potential seismic activity are met per your local requirements. This may require wall reinforcement. Do not install near sources of high heat or steam or where condensation is likely to occur, such as near air conditioners. Inspect mounting location conditions to ensure proper wall thickness and no signs of moisture or molding, etc. Do not install on a structure that is prone to vibration or movement. The unit must be plugged into an earthed outlet ONLY.