



ENTERPRISE 3300

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



Installation Guide



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Package Contents

Enterprise 3300 SKU 464052



Enterprise 3300
Amplifier
(463052)



Wide Band Directional
Antenna
(314411)



Dome Antennas
(qty. 3)
(304412)



100 ft. Wilson400 Cable
(qty. 4)
(952300)



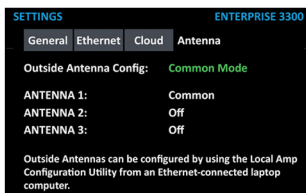
2 ft. Wilson400
Cable
(952302)



50 Ohm Lightning
Surge Protector
(850050)

Enterprise 3300

In-Building Cell Signal Amplifier Systems



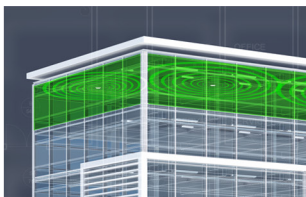
Frequency-specific “split mode” option, facilitating separate outdoor antennas for different bands, resulting in improved indoor coverage.



Remote system monitoring. Connects to WilsonPro Cloud service via Ethernet.



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



High max downlink power (+17 dBm per port) for up to 100,000 sq ft coverage with a strong “5 bar” outside signal.



The Enterprise 3300 cell signal amplifier system provides significantly enhanced 4G LTE and 3G voice and data coverage inside buildings where cell signals may not otherwise penetrate. Installation of an Enterprise 3300 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 3300 amplifier connects to the WilsonPro Cloud right out of the box via a traditional hardwired Ethernet port.

The Enterprise 3300 cell signal amplifier system also incorporates Wilson Connectivity's 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 3300 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 3300 cell signal amplifier system incorporates 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 3300 cell signal amplifier system is universal: it works 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 3300 system work with an incoming signal and never shuts down due to a strong outside signal.



Wall-Mount Installation: All indoor and outdoor port(s) are located on top of the amplifier for easy antenna connections, while exposed mounting flanges provide 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 3300 system utilizes a color LCD touch screen, for assessing amplifier performance and viewing amplifier configuration.



Independently Controlled Ports: Three independently controlled indoor antenna ports.

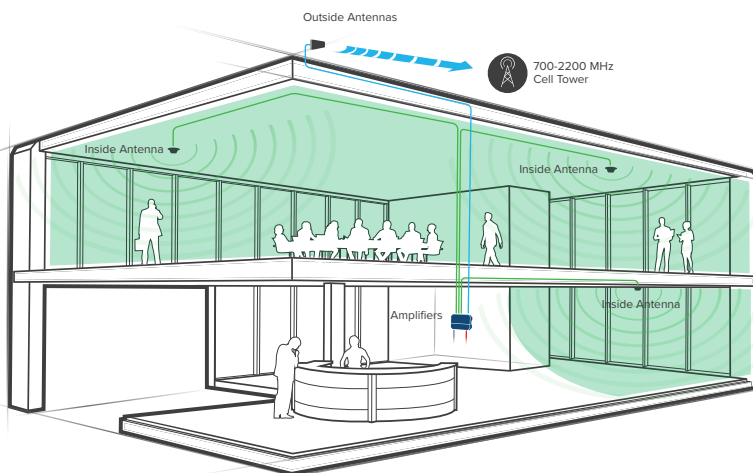
Installation Diagram

The Enterprise 3300 supports up to three inside antennas and is 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.

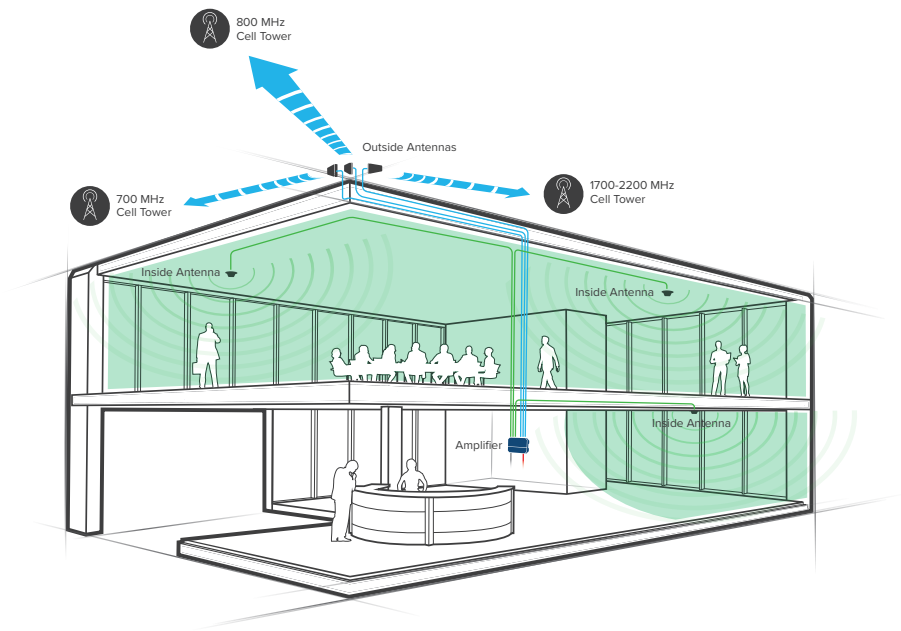
Note: The Enterprise 3300 is configured to common mode by default.



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.

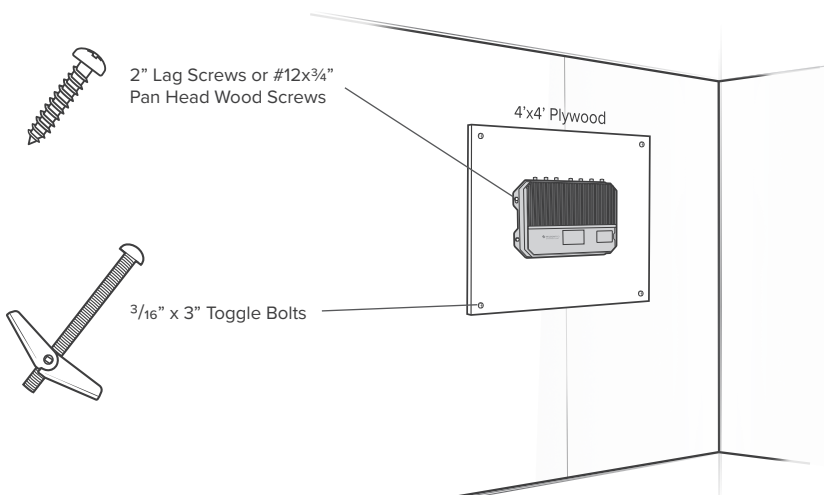


Mounting Specifications

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.

Post-Install Setup

The Enterprise 3300 system is designed with advanced internal programming, which allows it to automatically adjust for a variety of conditions, including the added functionality, alerts, and troubleshooting of an enhanced cloud management and monitoring solution.

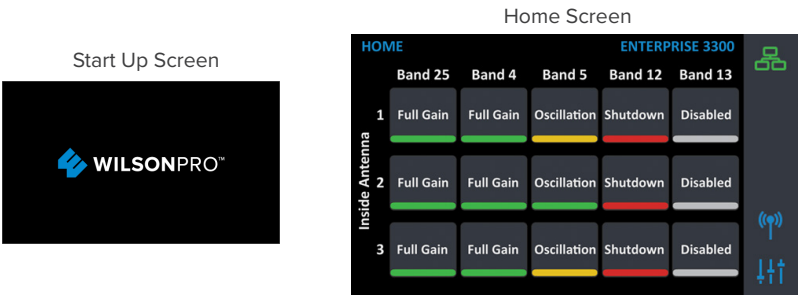
Once the AC power cable and antenna cables are connected, scan the QR code on the Quick Registration Card to add the amplifier to your WilsonPro Cloud account. For detailed instructions see the WilsonPro Cloud section.

3300



Menu System

The Enterprise 3300 takes about 8 seconds to boot up. Once boot up is complete, the home screen will appear, showing the amplification and status of each port and band.



Band Menu Color Description



Green indicates that a band is operating correctly with maximum allowable gain.



Yellow indicates band gain reduction because of an oscillation condition. Reposition antennas (increase separation between indoor and outdoor antennas, and point in opposite directions) and then reboot (turn the unit off & on) the Enterprise 3300 system to reactivate the band and maximize performance. When adequate separation is achieved, the yellow lights will return to green upon reboot.

Note: when the light is yellow, the band is operational; however, performance is reduced.



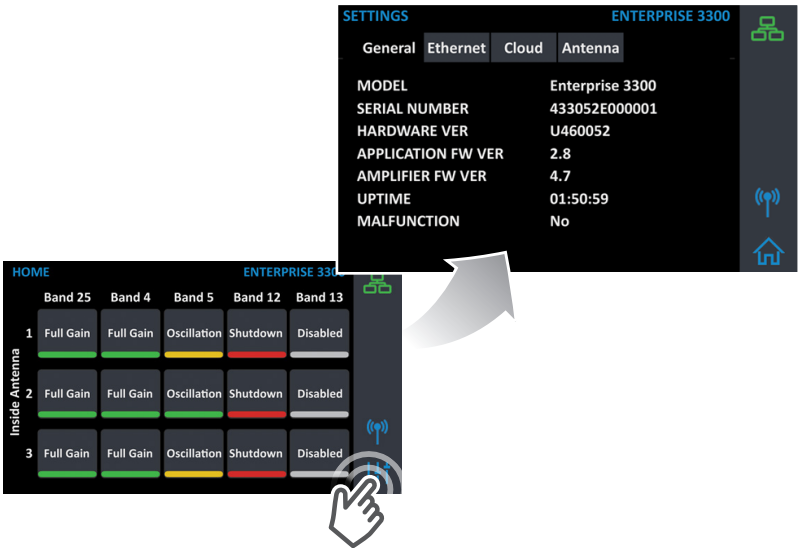
Red indicates a band has been shut down because of a severe oscillation condition or repeated oscillation. Reposition antennas (increase separation between indoor and outdoor antennas, and point in opposite directions) and then reboot (turn the unit off & on) the Enterprise 3300 system to reactivate the band and maximize performance. When adequate separation is achieved, the red light(s) will return to green upon reboot.



Gray indicates band has been disabled.

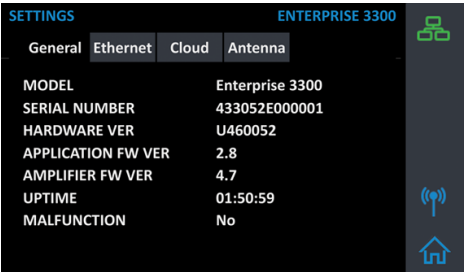
Settings Screen

Tap **‘Settings Icon’** in the lower right corner to view the Settings Screen.

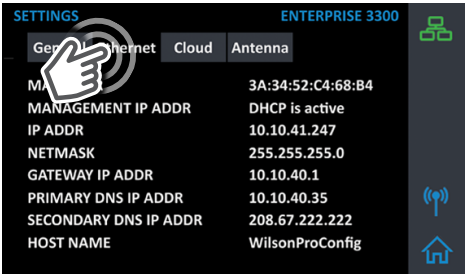


There are 5 Settings Screens represented by “tabs”. Tap the tab heading to view each Settings Screen. General settings below.

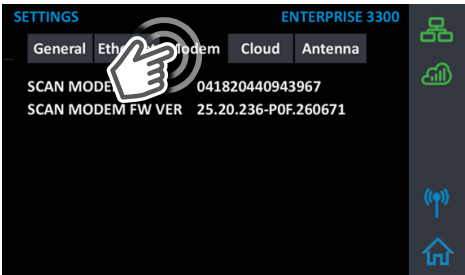
Note: Bands and Ports are disabled or enabled from the Cloud or Local Amplifier Configuration Utility only.



Ethernet Settings Tab



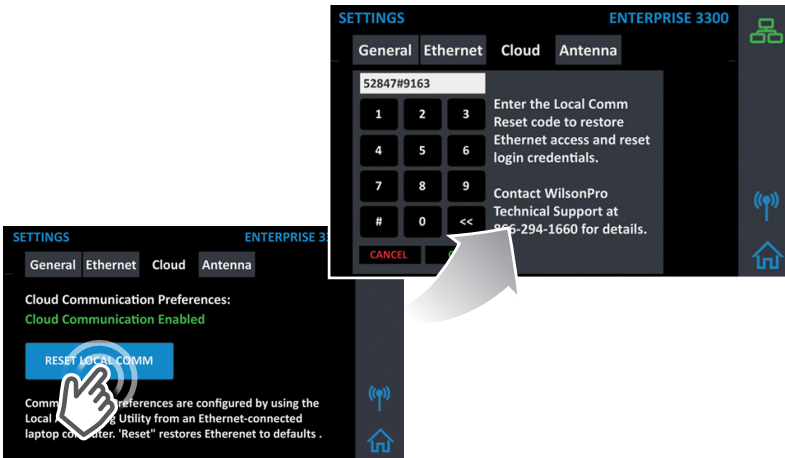
Modem Settings Tab



(MENU SYSTEM - SETTINGS SCREEN cont.)

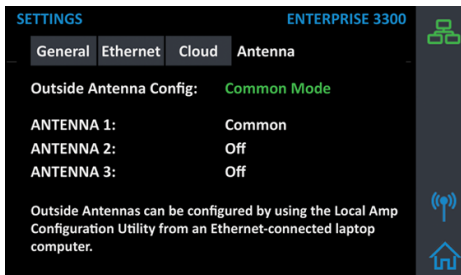
Cloud Communication Settings Tab

The Reset Local Comm button re-enables Cloud Communication if it was turned off from the Local Amplifier Configuration Utility. It also resets the login credentials for the Local Amplifier Configuration Utility to factory defaults, useful if the credentials were changed and forgotten.



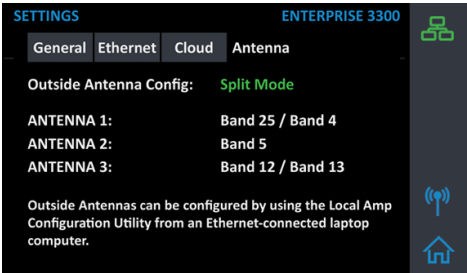
Antenna Settings Tab

Common Mode is configured from the Local Amplifier Configuration Utility and should be set when using a single Outside Antenna.

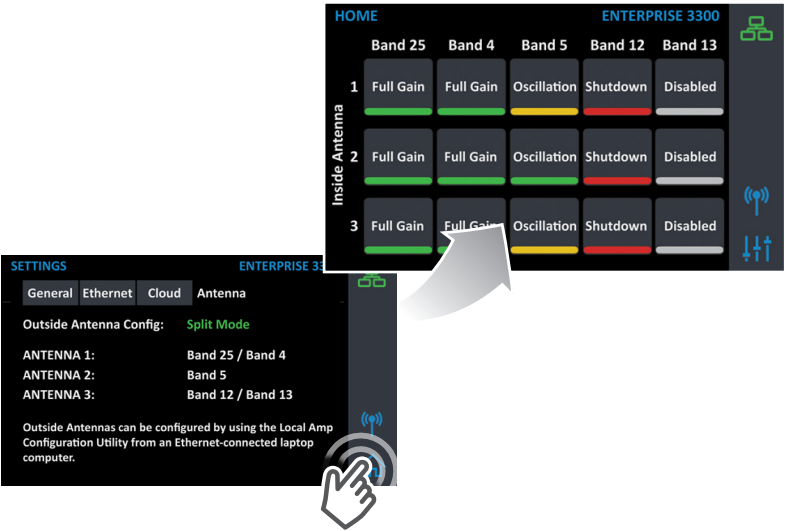


Split-Mode Configuration

Split Mode is configured from the Local Amplifier Configuration Utility and should be set when using separate Outside Antennas for Band 4/25, Band 5, and Band 12/13.

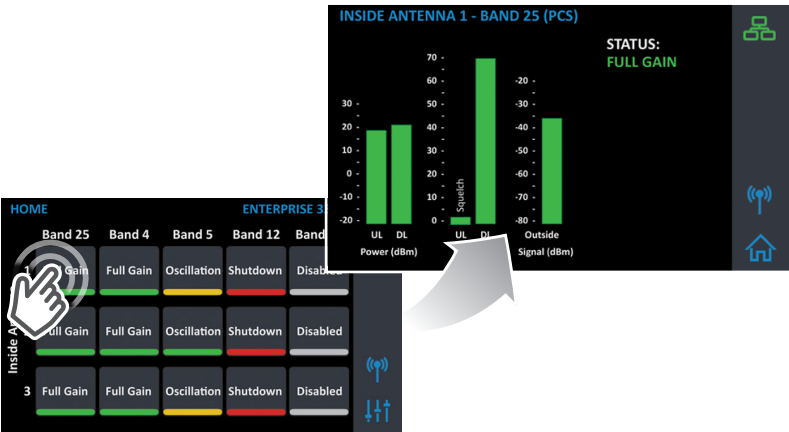


To go back to the Home Screen, tap on the **Home Icon** (in the lower right corner).

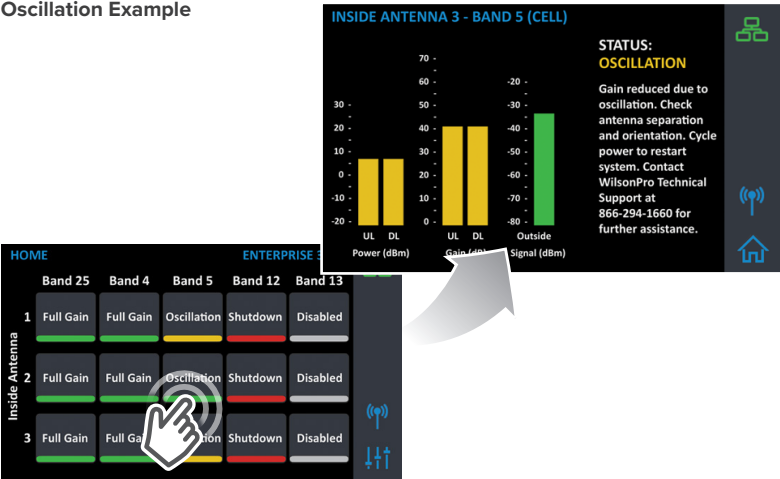


Band-Status Screens

To view specific band information (such as the strength of the received uplink & down-link signal, outside signal strength, and amplifier gain status) tap the desired band on the home screen.



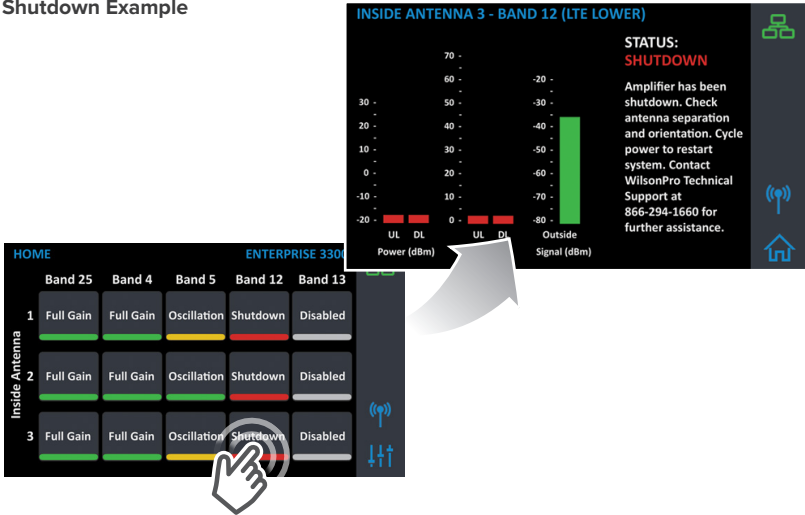
Oscillation Example



Note: If the reduced gain due to oscillation is greater than or equal to 60dB, the condition will be displayed as Green and no action is necessary.

(MENU SYSTEM - BAND-SATUS SCREENS cont.)

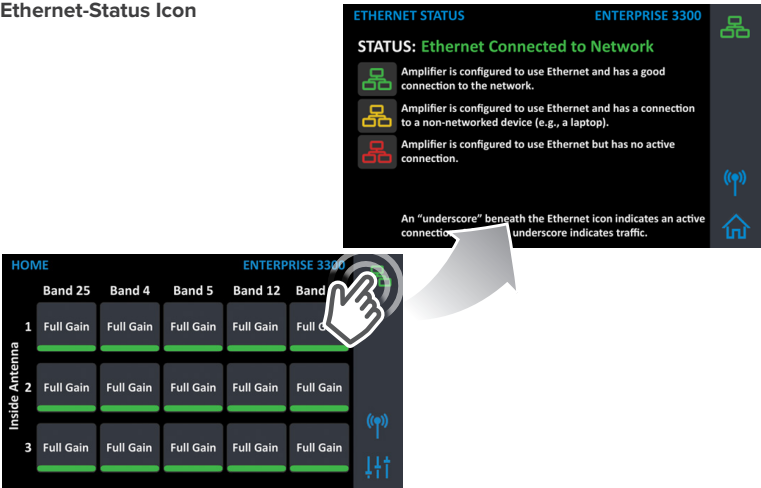
Shutdown Example



Connectivity Status Screens

The three icons in the upper right provide status related to the Ethernet connection, Cloud connection, and USB device (if inserted).

Ethernet-Status Icon



(MENU SYSTEM - CONNECTIVITY STATUS SCREENS cont.)

The Cellular Network Scan screen provides RSRP (Reference Signal Received Power) and RSRQ (Reference Signal Received Quality) for major cellular carriers in U.S. in Canada, measured at the indoor antenna ports (after the signal has been amplified). Band, frequency, bandwidth and cell I.D. are also shown for all cell tower channels found during scanning. Scanning begins as soon as the unit is power on, and is automatic, and continuous. A full scan cycle takes about three minutes to scan all bands and frequencies. Verizon, AT&T, and T-Mobile are reported in the U.S. and Rogers, Telus, Bell, and Freedom are reported in Canada.

Cellular Network Scanning Screens



WilsonPro Cloud™

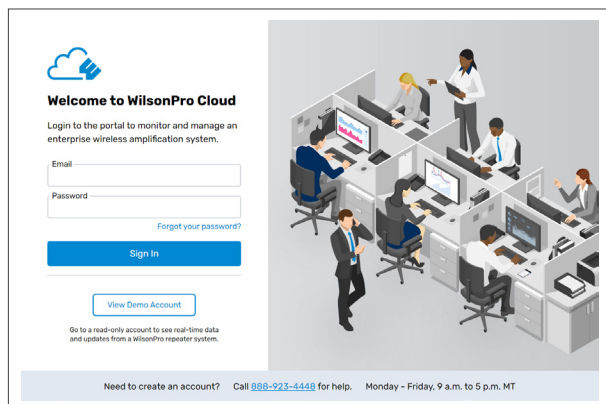
The cloud-based platform for remote monitoring & control of cellular signal amplifiers

The Enterprise 330 connects to the WilsonPro Cloud™ via the internet, through a standard RJ45 Ethernet connection.

Logging into the WilsonPro Cloud

You must have a WilsonPro Cloud™ account and your amplifier must have a paid Cloud Subscription for remote monitoring and configuration. If you don't already have a WilsonPro Cloud™ account or a paid amplifier Cloud Subscription, call 1-888-923-4448, Monday-Friday 8am-5pm MT so that your account can be created or to purchase a subscription.

Once your account is set up, simply log in to the WilsonPro Cloud™ website located at <https://cloud.wilsonpro.com> using the email address and password credentials you were provided. You can then add multiple customers, locations, and amplifiers (if the amplifiers have an active Cloud Subscription) to your account.





Welcome to WilsonPro Cloud

Login to the portal to monitor and manage an enterprise wireless amplification system.

Email

Password

[Forgot your password?](#)

[Sign In](#)

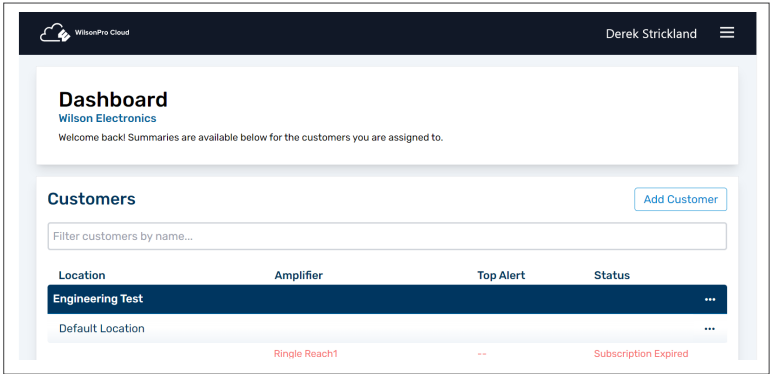
[View Demo Account](#)

Go to a read-only account to see real-time data and updates from a WilsonPro repeater system.

Need to create an account? Call [888-923-4448](tel:18889234448) for help. Monday - Friday, 9 a.m. to 5 p.m. MT

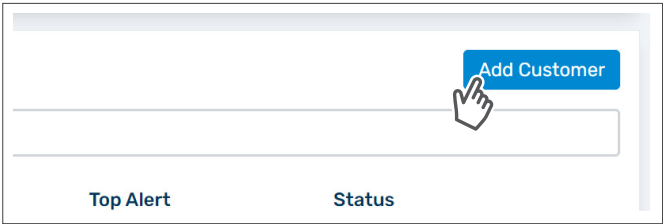
Customer Dashboard

You can quickly check the status of all of your amplifiers from the **Dashboard** summary screen. The **Top Alert** field represents the highest priority alert reported by each amplifier assigned to your account, that has not been acknowledged. After all alerts have been acknowledged, they are no longer shown in this chart. **Status** represents the current, near real-time status of all amplifiers associated with your account.



Adding a Customer

To create a new customer from the Dashboard screen, click on **ADD CUSTOMER**.



(WILSONPRO CLOUD – ADDING A CUSTOMER cont.)

Enter information for **Customer** (business/organization). After clicking on **Save** the new customer will appear on the dashboard page.

The screenshot shows a 'New Customer' modal form. The form has a title 'New Customer' and a label 'Name'. The text 'Quality Logistics Main Office' is entered in the input field. Below the input field are two buttons: 'Cancel' and 'Save'. The background shows a blurred view of the dashboard with various data points and a table.

To Add Location, click on the  button and click **Add Location**.

The screenshot shows the dashboard with a table of locations. The table has columns for location name, status, and actions. The first row is 'AV Rack' with status 'This location has no amplifiers' and a three dots menu icon. The second row is 'Quality Logistics Main Office' with status 'This customer has no locations' and a three dots menu icon. A tooltip is shown over the three dots menu icon for 'Quality Logistics Main Office', containing the buttons 'Add Location' and 'Delete'. The footer contains copyright information, privacy policy, and support details.

Adding Customer Location

Enter **Location Name** and **Primary Contact** (notification recipient) information and click save.

NOTE: Fields with red asterisks are required.

New Location

Location Name *

Notes

Address

Country *
United States

State/Province/Region *

City *

ZIP/Postal *

Street *

Street (Secondary)

Contact Primary

Email Address *

First Name *

Last Name *

Phone

Phone (Secondary)

Contact Secondary

Email Address

First Name

Last Name

Phone

Phone (Secondary)

Cancel

Save

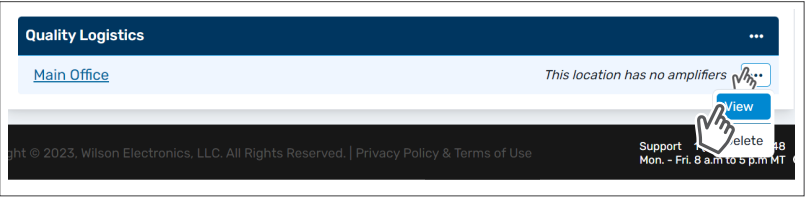
22EN

IN-BUILDING CELL SIGNAL AMPLIFIER

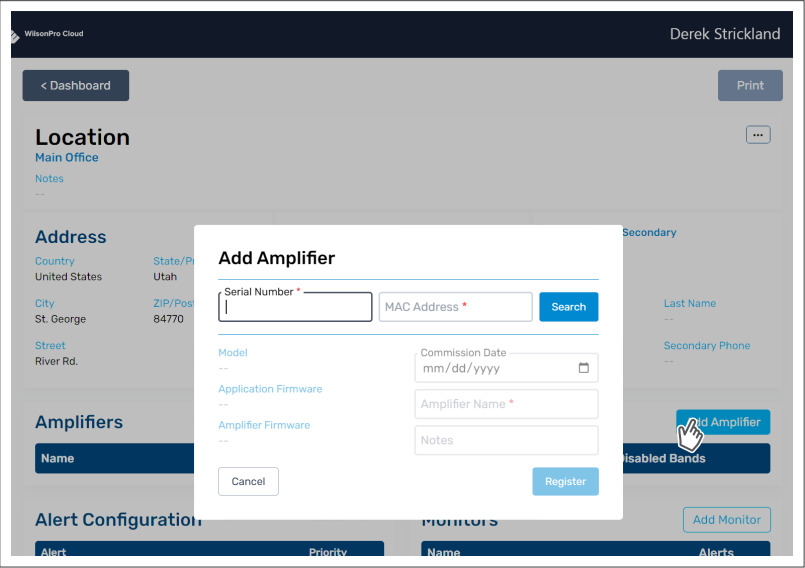
ENTERPRISE 3300

Adding an Amplifier

To add a amplifier, click on the  button on desired location and click **View** to open location summary page.

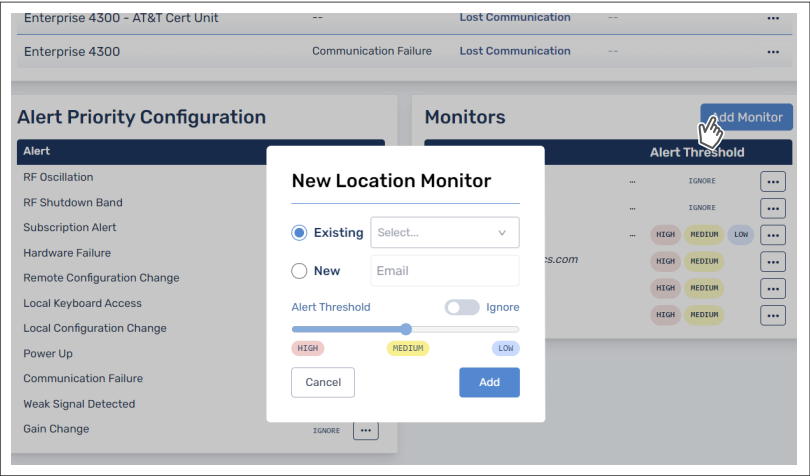


Click on **Add Amplifier** and enter the amplifier serial number, MAC address and amplifier name. An example: 1st Floor Lobby.



Adding a Monitor

If a Monitor has not been created, click on **Add Monitor**. Installer/Integrator can assign monitors to track the performance of the amplifier(s). Alert priorities can be set to low, medium or high.



Amplifier Configuration & Metrics

Now that the amplifier(s) have been added to the location, click ... button and click **VIEW** to view details about the amplifier.

< Dashboard

Print

Location

Dallas Office

Notes
test

Address

Country
United States

State/Province/Region
TX

City
Richardson

ZIP/Postal
75081

Street
699 W Renner Rd

Contact Primary

Email Address
bdouglas@gmail.com

First Name
Brian

Last Name
Douglas

Primary Phone
214-555-5241

Secondary Phone
--

Contact Secondary

Email Address
--

First Name
--

Last Name
--

Primary Phone
--

Secondary Phone
--

Amplifiers

Add Amplifier

Name	Top Alert	Status	Active Alerts	Disabled Bands	
Enterprise 3300 - IT Closet	Power Up	Full/XDR Gain	16	--	... View Change Location Delete Add Monitor
Enterprise 3300 - Second Floor Utility	Power Up	Full/XDR Gain	13	--	

Alert Configuration

Alert

Priority

...

Monitors

Name / Email

Alerts

...

(WILSONPRO CLOUD – AMPLIFIER METRICS cont.)

The Band Details table shows per-band performance metrics. In addition, bands can be disabled and re-enabled, as well as viewing the band history.

WilsonPro Cloud

Doug Smith

< Location

Print

Amplifier

Enterprise 3300 - Second Floor Utility

Commission Date

Notes

04/12/2024

Details

Model

Enterprise 3300

Serial Number

460052C000001

MAC Address

10:06:48:70:01:60

Added to Account

04/12/2024

Amplifier Firmware

5.1.2.71

Application Firmware

3.6.2.31

Latest Updates

Status

Lost Communication

Uptime

5 min

Last Update Received

04/17/2024

Subscription Expiry

04/12/2025

Connection Type

LTE

Band Details

	Name	Status	Gain ^{down}	Power ^{down}	Signal ^{outside}	Oscillations ^{24hr}	
Band 25	E-PCS	Full Gain	70 dB	-1 dBm	-71 dBm	0	...
Band 4	AWS-1	Full Gain	69 dB	0 dBm	-69 dBm	0	...
Band 5	CELL	Full Gain		-20 dBm	-80 dBm	0	...
Band 12	LTE Lower	Full Gain	61 dB	-6 dBm	-67 dBm	0	...
Band 13	LTE Upper	Full Gain	61 dB	-6 dBm	-67 dBm	0	...

Inside Antenna Port Details

	Notes	Status	Gain ^{up}					
			Band 25	Band 4	Band 5	Band 12	Band 13	
Port 1	--	Full Gain	65 dB	63 dB	56 dB	57 dB	56 dB	...
Port 2	--	Full Gain	65 dB	63 dB	56 dB	57 dB	56 dB	...
Port 3	--	Full Gain	65 dB	64 dB	56 dB	57 dB	56 dB	...

Cellular Network Details

Carrier	Band	DL Freq	Sub-Blocks	EARFCN	Bandwidth	Cell Id	RSRP	RSRQ	MCC	MNC	PCI	eNb Map	Updated
AT&T	B 5	874.0 MHz	A	7460	10.0 MHz	114410211	-51 dBm	-29 dB	311	100	186	E1100E	1 min ago

26

EN

IN-BUILDING CELL SIGNAL AMPLIFIER

ENTERPRISE 3300

(WILSONPRO CLOUD – AMPLIFIER METRICS cont.)

In the Band Details section, band history can be viewed by clicking  button, by each band, and then click **View History**. The Band can be disabled as well.

Band Details						
	Name	Status	Gain _{down}	Power _{down}	Signal _{outside}	Oscillations _{24hr}
Band 25	E-PCS	Full Gain	70 dB	-1 dBm	-71 dBm	0
Band 4	AWS-1	Full Gain	69 dB	0 dBm	-69 dBm	0
Band 5	CELL	Full Gain	62 dB	-20 dBm	-80 dBm	0
Band 12	LTE Lower	Full Gain	61 dB	-6 dBm	-67 dBm	0
Band 13	LTE Upper	Full Gain	61 dB	-6 dBm	-67 dBm	0



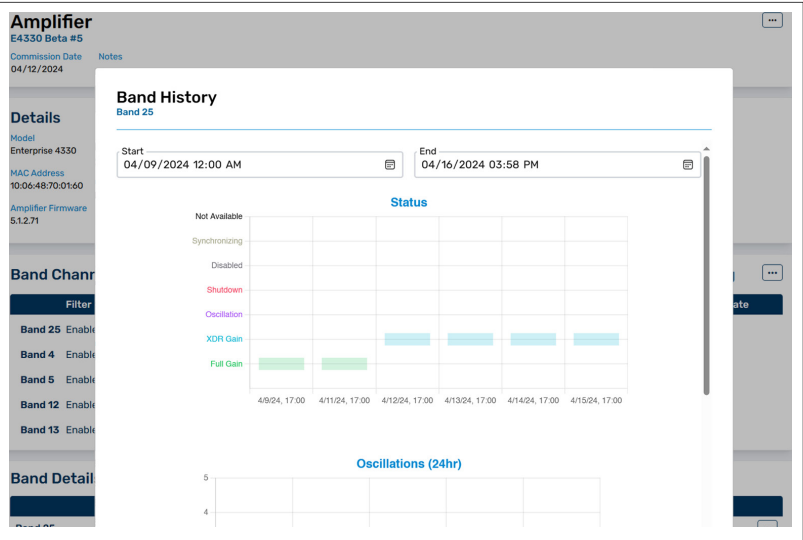
View History

Disable



Inside Antenna Port Details							
	Notes	Status	Gain _{up}				
			Band 25	Band 4	Band 5	Band 12	Band 13
Port 1	--	Full Gain	65 dB	63 dB	56 dB	57 dB	56 dB
Port 2	--	Full Gain	65 dB	63 dB	56 dB	57 dB	56 dB
Port 3	--	Full Gain	65 dB	64 dB	56 dB	57 dB	56 dB

The **Band History** screen provides performance and signal level histories.



(WILSONPRO CLOUD – AMPLIFIER METRICS cont.)

In the Inside Antenna Port Details section port(s) can be disabled by clicking the  button and click **Disable**.

Inside Antenna Port Details

Gain UP

	Notes	Status	Band 25	Band 4	Band 5	Band 12	Band 13	
Port 1	--	XDR Gain	39 dB	36 dB	35 dB	Squelch	Squelch	
Port 2	--	XDR Gain	39 dB	36 dB	35 dB	Squelch	Squelch	
Port 3	--	XDR Gain	39 dB	36 dB	35 dB	Squelch	Squelch	

Add Note

Disable



Active and acknowledged alerts can be viewed in the Alert section. To view alert history click  and then click **View History**. To acknowledge and remove the alert from the lists, choose the alert and click **Acknowledge All**.

Inside Antenna Port Details

Gain UP

	Notes	Status	Band 25	Band 4	Band 5	Band 12	Band 13	
Port 1	--	XDR Gain	39 dB	36 dB	35 dB	Squelch	Squelch	
Port 2	--	XDR Gain	39 dB	36 dB	35 dB	Squelch	Squelch	
Port 3 (ZW UL)	--	XDR Gain	39 dB	36 dB	35 dB	Squelch	Squelch	
Port 4 (ZW DL)	--	XDR Gain	39 dB	36 dB	35 dB	Squelch	Squelch	

Cellular Network Details

Carrier	Band	EARFCN
AT&T	Band 25	1100
	Band 12	5110
Verizon	Band 5	2560
	Band 4	2050
	Band 25	800
	Band 13	5230

Alerts

Last Acknowledged: 12/7/22, 22:56

View Details

View History

	Last Occurrence	Ad	Historical
Communication Failure	6/10/23, 17:06	3	7
Local Keyboard Access	6/9/23, 15:53	37	243

Active Alerts

Total: 181

Name	Date	Time
Communication Failure	6/10/23	11:06
Local Keyboard Access	6/9/23	09:53
RF Oscillation	6/8/23	15:15
Local Keyboard Access	6/8/23	15:02
Local Keyboard Access	6/8/23	14:14
Power Up	6/8/23	12:14
Local Keyboard Access	6/8/23	12:14
Power Up	6/8/23	12:14
Local Keyboard Access	6/8/23	12:11
RF Oscillation	6/8/23	12:09
Power Up	6/8/23	12:09

Cancel

Acknowledge All



Outside Antenna

Selected

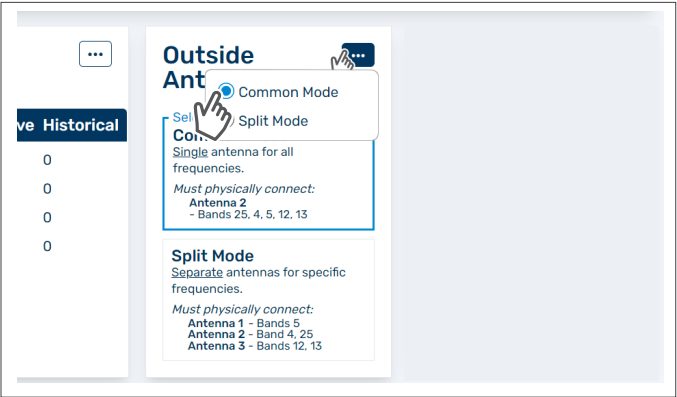
Common Mode

Single antenna for all frequencies.

Must physically connect:

Antenna 1

The outside antenna can be configured into **Split Mode** in Antenna Configuration section, if needed.



Cellular Network Scanning

The Cellular Network Scan feature with provides RSRP (Reference Signal Received Power) and RSRQ (Reference Signal Received Quality) for major U.S. and Canadian Carrier cellular signals found by the amplifier, measured at the indoor antenna ports (after the signal has been amplified). Carrier Name, Band, Downlink Frequency, Bandwidth, Cell ID, are some examples of the additional information provided in each scan record. Scanning begins as soon as the unit is powered on, and is automatic, and continuous. A full scan cycle takes about three minutes to scan all bands and frequencies.

Cellular Network Details												
Carrier	Band	DL Frq	Sub-Blocks	EARFCN	Bandwidth	Cell Id	RSRP	RSRQ	MCC	MNC	PCI	Updated
AT&T	B 5	874.0 MHz	A	2450	10.0 MHz	133630211	-51 dBm	-22 dB	313	100	385	1 min ago
	B 4	2175.0 MHz	J	67086	10.0 MHz	133630488	-51 dBm	-25 dB	313	100	472	1 min ago
	B 25	1970.0 MHz	EF	1000	10.0 MHz	133866251	-42 dBm	-17 dB	313	100	3	1 min ago
T-Mobile	N 25	1984.8 MHz	CG	396970	20.0 MHz	6492631061	-33 dBm	-14 dB	310	260	489	1 min ago
	B 4	2145.0 MHz	DEF	66786	20.0 MHz	16278529	-34 dBm	-12 dB	311	490	495	1 min ago
	B 25	1955.0 MHz	DB	850	20.0 MHz	16278539	-35 dBm	-13 dB	311	490	324	1 min ago
	B 12	731.5 MHz	A	5035	5.0 MHz	16278549	-36 dBm	-12 dB	311	490	387	3 min ago
	B 12	731.5 MHz	A	5035	5.0 MHz	20346901	-40 dBm	-19 dB	311	490	94	1 min ago
Verizon	B 4	2165.0 MHz	HI	66986	10.0 MHz	34066214	-37 dBm	-12 dB	311	480	44	1 min ago
	B 4	2125.0 MHz	ABC	66586	20.0 MHz	34066208	-35 dBm	-16 dB	311	480	44	1 min ago
	B 13	751.0 MHz	C	5230	10.0 MHz	34066179	-31 dBm	-15 dB	311	480	44	3 min ago
	B 13	751.0 MHz	C	5230	10.0 MHz	34201346	-34 dBm	-17 dB	311	480	88	1 min ago

Alerts

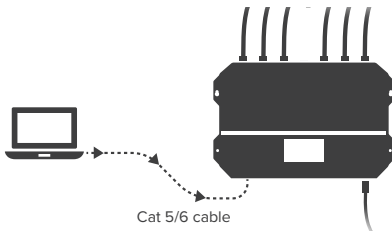
Last Acknowledged:

Outside Antenna

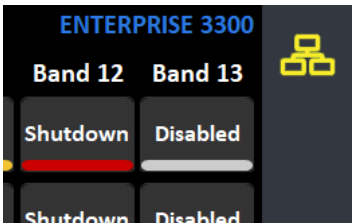
Local Amplifier Configuration Utility

If you want to view or modify the amplifier configuration settings directly on the amplifier, this utility was created to help you. With this utility, you can change Communication Preferences and Ethernet settings, as well as Enable/Disable bands and ports. It can also be used to view live band details and static information such as firmware version. Additionally, the Local Amplifier Configuration Utility contains an Antenna Tuner tool to assist with system setup.

NOTE: The only time it is necessary to use this utility is if you wish to **CHANGE** the communication preference setting. The default setting of “Ethernet preferred, LTE backup” is almost always the best setting to use.



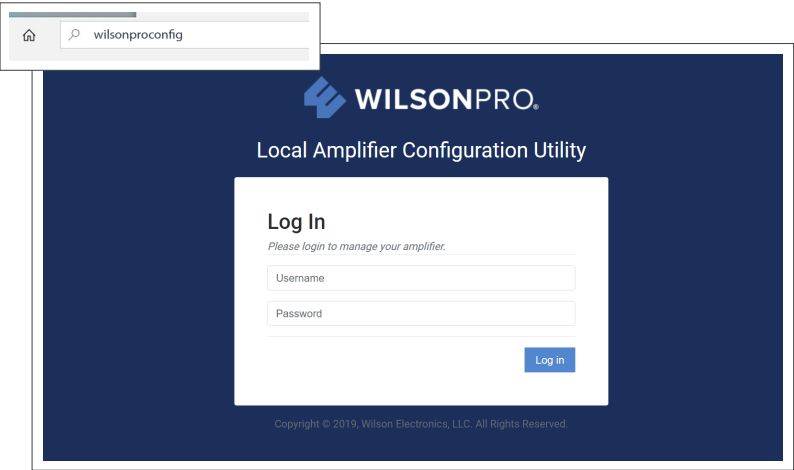
To use the Local Amplifier Configuration Utility, a laptop computer must be connected to the 3300 via a Cat 5/6 cable to the Ethernet port on the amplifier.



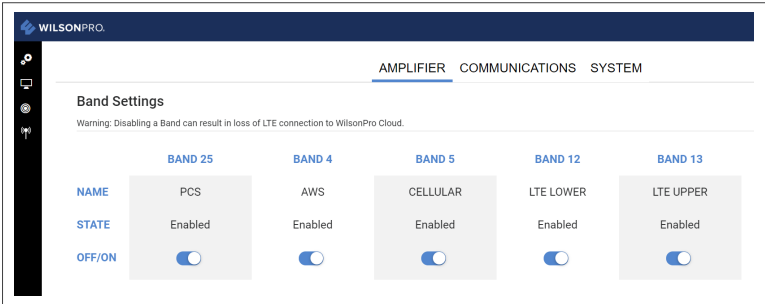
When configured with default communication settings, the network icon on the amplifier will change color from red to yellow or green after connecting to the network or a laptop. It could take up to two minutes.

(LOCAL AMPLIFIER CONFIGURATION UTILITY cont.)

Once the network icon is yellow or green, type **wilsonproconfig** into the web browser. A login will be displayed, type the following: Factory Default Username: **admin** – Password: **admin**



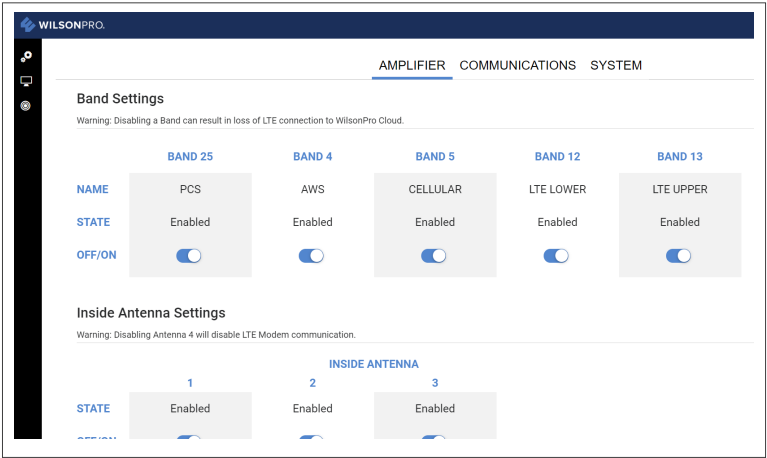
On the Local Amplifier Configuration Utility page you can select **AMPLIFIER**, **COMMUNICATIONS** and **SYSTEM** to set configurations.



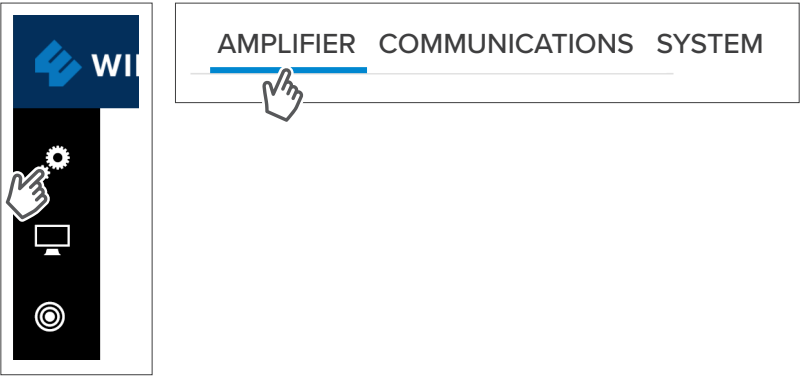
(LOCAL AMPLIFIER CONFIGURATION UTILITY cont.)

Bands can be turned ON/OFF, you can configure Inside Antenna Settings (ON/OFF) and you can update the Outside Antenna Configuration (COMMON/SPLIT MODE).

Note: Once you make changes to either the Band Enable or Communication Settings, you must wait at least 30 seconds before power cycling the unit or the new settings will not be stored.

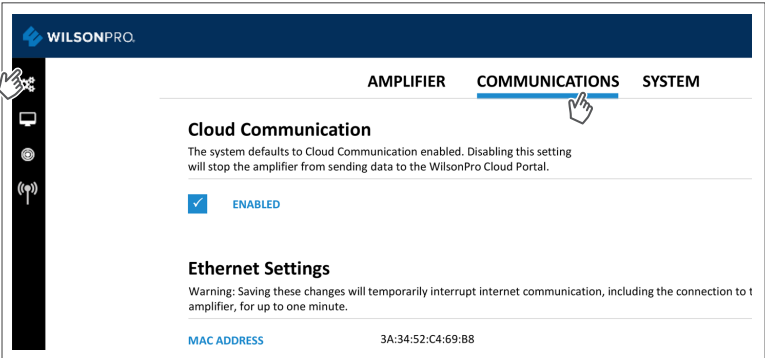


You can navigate through the site by clicking on the **Settings, Status** and **Antenna Tuner** icons located on the left then selecting **AMPLIFIER**, **COMMUNICATIONS** or **SYSTEM**.

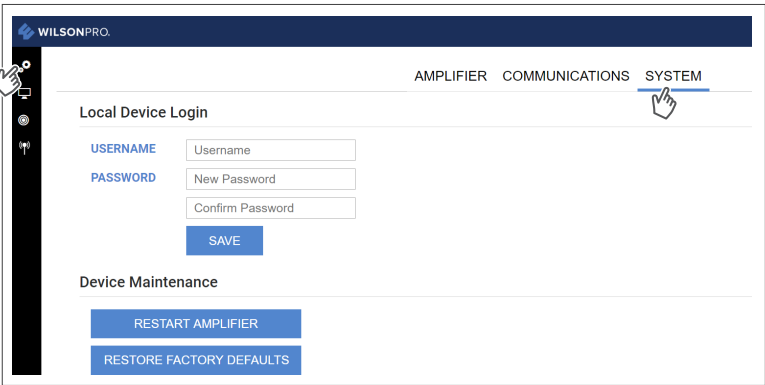


(LOCAL AMPLIFIER CONFIGURATION UTILITY cont.)

Click on  then **COMMUNICATIONS**, Communications Preferences and Ethernet changes can be made here.

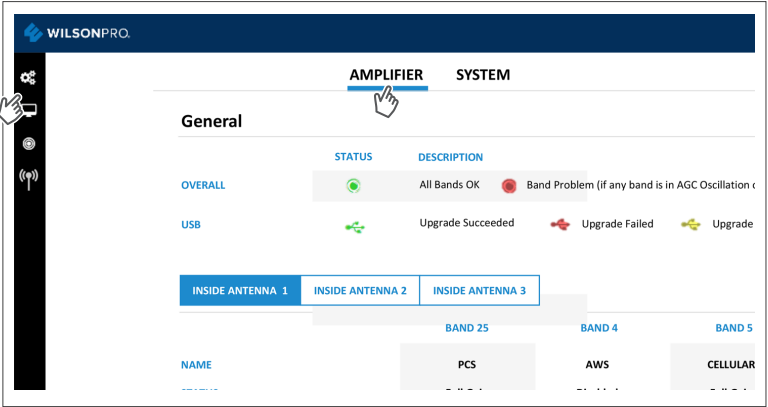


Click on  then **SYSTEM**, set password for local amplifier (this password is unrelated to WilsonPro Cloud Service), reboot amplifier and restore system to factory default.

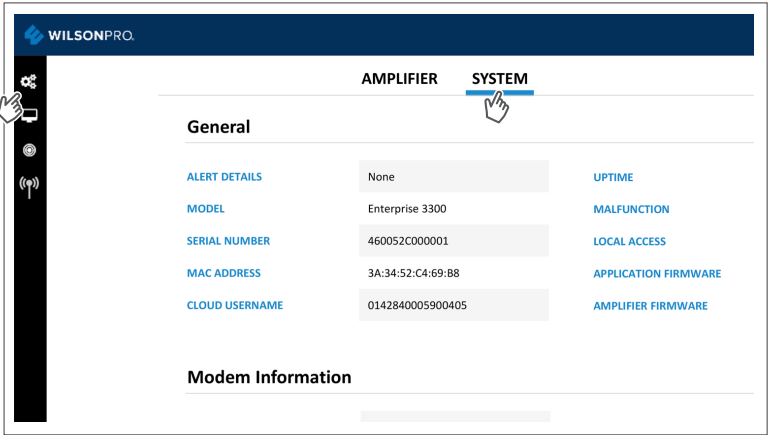


(LOCAL AMPLIFIER CONFIGURATION UTILITY cont.)

Click on  then **AMPLIFIER**, view overall status of amplifier, WilsonPro Cloud, LTE connection, Ethernet connection, USB connection and power levels for each band.

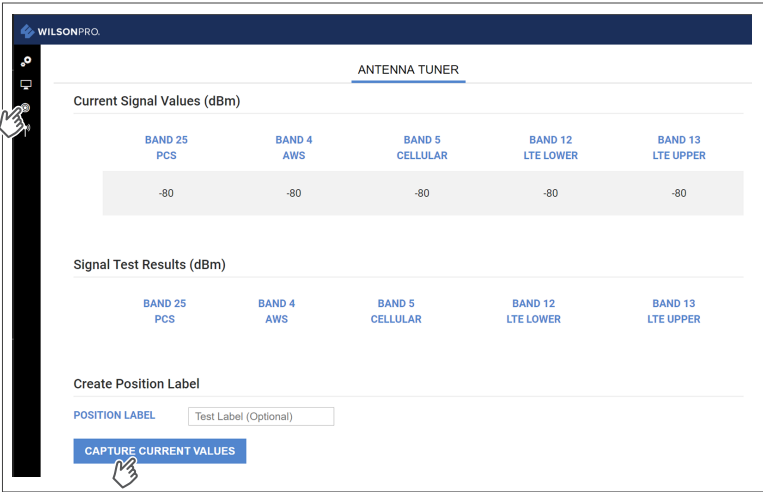


Click on  then **SYSTEM**, view overall system details.



(LOCAL AMPLIFIER CONFIGURATION UTILITY cont.)

Click on  to use the **ANTENNA TUNER** to assist with orienting the antenna.
Click **CAPTURE CURRENT VALUES** and enter an optional label for antenna position to record measurements. These steps can be repeated as many times as you like.



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ANTENNA TUNER

Current Signal Values (dBm)

BAND 25 PCS	BAND 4 AWS	BAND 5 CELLULAR	BAND 12 LTE LOWER	BAND 13 LTE UPPER
-80	-80	-80	-80	-80

Signal Test Results (dBm)

BAND 25 PCS	BAND 4 AWS	BAND 5 CELLULAR	BAND 12 LTE LOWER	BAND 13 LTE UPPER
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Create Position Label

POSITION LABEL

CAPTURE CURRENT VALUES

(LOCAL AMPLIFIER CONFIGURATION UTILITY cont.)

Click on  to use the Cellular Network Scan feature which provides RSRP (Reference Signal Received Power) and RSRQ (Reference Signal Received Quality) for major cellular carriers in U.S. in Canada, measured at the indoor antenna ports (after the signal has been amplified). Band, frequency, bandwidth and cell I.D. are also provided for all cell tower channels found during scanning. Scanning begins as soon as the unit is power on, and is automatic, and continuous. A full scan cycle takes about three minutes to scan all bands and frequencies. Verizon, AT&T, and T-Mobile are reported in the U.S. and Rogers, Telus, Bell, and Freedom are reported in Canada.

 WILSONPRO





NETWORK SCAN

Cellular Network Details

The amplifier continually scans the cellular network. Results are displayed in the table below.

Carrier	Band	Frequency (MHz)	EARFCN	RSRP (dBm)	RSRQ (dB)	Bandwidth (MHz)	MCC	MNC	Cell
AT&T	B25	1940.0	4457	-10	-7	10	310	410	111
AT&T	B25	1941.1	4457	-30	-10	10	310	410	111
AT&T	B4	2145.0	2574	-20	-18	20	310	410	133
Verizon	B5	891.4	5110	-40	-4	5	310	410	133

Troubleshooting Local Amplifier Configuration Utility

Using the LCD screen on the amplifier to find the IP Address

You can use the LCD screen on the amplifier to find the IP Address of the Ethernet connection after the laptop is connected. This IP Address can be used instead of “wilsonproconfig”. Note that Ethernet icon must be Yellow.

The LCD screen is 0.0.0.0

If the IP Address shown on the LCD screen is 0.0.0.0, the Ethernet connection has not been established.

Using Apple Mac computers

Apple Mac computers are known to have a problem using the “wilsonproconfig” alias. Always use the IP Address when connecting via an Apple Mac computer.

Can't open the utility in your default browser

If the Ethernet connection appears to be established (Yellow Ethernet Network icon) and you still can't open the utility in your default browser, try opening the URL in a different browser.

Can't open the utility in your default browser on your laptop

If the Ethernet connection appears to be established (Yellow Ethernet Network icon) and you still can't open the utility in your default browser, try putting the laptop in “Airplane Mode” (all wireless communication turned off).

Safety Guidelines

Warnings

To uphold compliance with network protection standards, all active cellular devices must maintain at least 1.8 m (6 feet) of separation distance from Panel and Dome antennas.

Use only the power supply provided in this package. Use of a non-Wilson Electronics product may damage your equipment.

The Signal Amplifier unit is designed for use in an indoor, temperature-controlled environment (operating temperature ranges from 0°C to 35°C (32°F to 95°F). It is not intended for use in attics or similar locations subject to temperatures in excess of that range.

RF Safety Warning: Any antenna used with this device must be located at least 20 cm (8 in) from all persons.

AWS Warning: The Outside Antenna must be installed no higher than 10 meters (31'9") above ground.

CAUTION: Double pole, neutral fusing. Disconnect mains before servicing.

Kit Components

The following accessories are certified to be used with the **ENTERPRISE 3300**.

	B12/17	B13	B5	B4	B25/2
Outside antenna maximum permissible antenna gain less coax loss (dBi) 50Ω	3.576	3.21	3.012	2.048	1.918
Inside antenna maximum permissible antenna gain less coax loss (dBi) 50Ω	-2.43	-1.69	-3.09	-0.33	-1.29

314411
Wide Band Directional Antenna
(Outside Antenna)

952300
30 m (100 ft.) Wilson400 Cable
(for Outside Antenna)

304412
Dome Antenna (Inside antennas)

952300
30 m (100 ft.) Wilson400 Cable
(for Inside Antennas)

850050
50 Ohm Lightning Surge Protector

952302
60 cm (2 ft.) Wilson400 Cable

All equivalent or lesser antennas and cables are suitable for use with 3300 signal boosters.

Specifications

FCC Model Number	460052				
Connectors	N-Connectors				
FCC / IC ID	PWO460052 and IC ID 4726A-460052				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 729-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Power output for single cell phone (Uplink) dBm	700MHz Band12/17	700MHz Band13	800MHz Band 5	1700MHz Band 4	1900MHz Band 25/2
	22.9	23.1	24.6	22.8	25.5
Power output for single cell phone (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz Band 5	2100MHz Band 4	1900MHz Band 25/2
	16.9	16.7	16.8	16.6	16.6
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	120V AC 0.5A 60Hz				

NEED HELP?



support@wilsonselectronics.com



866.294.1660

Warranty

✓ 30 DAY MONEY-BACK GUARANTEE

All WilsonPro products are protected by WilsonPro 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.

✓ 3 YEAR WARRANTY

WilsonPro Amplifiers are warranted for three (3) 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.

Signal Amplifiers 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 WilsonPro. WilsonPro shall, at its option, either repair or replace the product.

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

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

RMA numbers may be obtained by contacting Customer Support.

DISCLAIMER: The information provided by WilsonPro is believed to be complete and accurate. However, no responsibility is assumed by WilsonPro for any business or personal losses arising from its use, or for any infringements of patents or other rights of third parties that may result from its use.

MARKETING APPROVAL: Installer and end customer hereby grants to Wilson Electronics the express right to use installers or end customers company logo in marketing, sales, financial, and public relations materials and other communications solely to identify Customer as a Wilson Electronics customer.

Notes:

 1-800-871-1612



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