

Menu System

The Enterprise 1398 takes about 3 minutes to boot up. Once boot up is complete, the home screen will appear, showing the amplification and status of each 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 1398 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.

(MENU SYSTEM cont.)



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 1398 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.



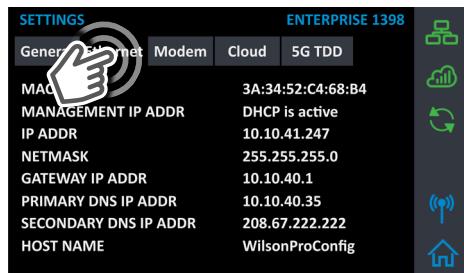
There are 5 Settings Screens represented by “tabs”. Tap the tab heading to view each Settings Screen. General settings below.

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

SETTINGS		ENTERPRISE 1398				
General	Ethernet	Modem	Cloud	5G TDD		
MODEL	Enterprise 1398					
SERIAL NUMBER	4601072000123456789					
HARDWARE VER	U46100072.001					
APPLICATION FW VER	2.6					
AMPLIFIER FW VER	5.2					
UPTIME	01:50:59					
MALFUNCTION	No					
ZINWAVE SERVER MODE	Disabled					

(MENU SYSTEM - SETTINGS SCREEN cont.)

Ethernet Settings Tab



Modem Settings Tab



(MENU SYSTEM - SETTINGS SCREEN cont.)

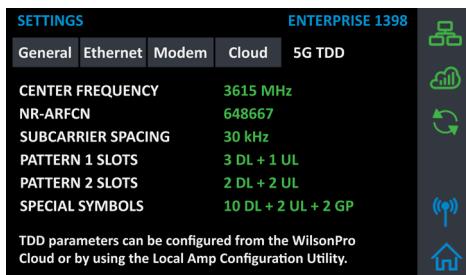
Cloud Communication Settings Tab

Note: The Reset Local Comm button is used in case the user has configured the amplifier such that the Local Amplifier Configuration Utility (LACU) is not accessible, e.g., if the communication preferences are set to “LTE Only” or the LACU password needs to be reset. The “reset” function will re-enable Ethernet access and also reset the login credentials for LACU to factory defaults.



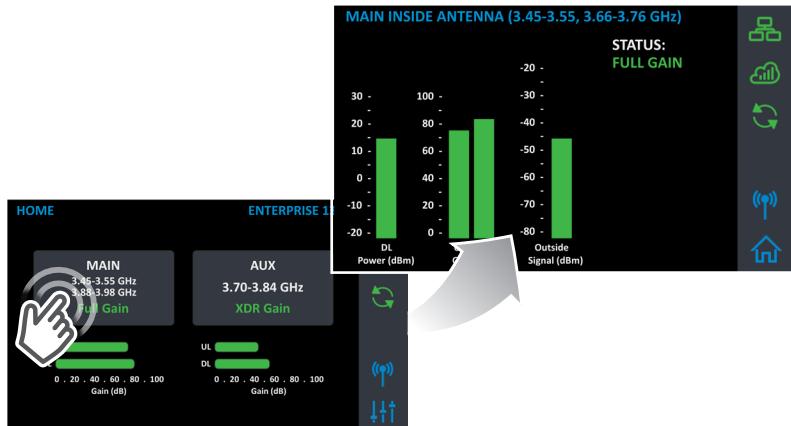
5G TDD Settings Tab

The TDD Modem must be configured to synchronize with the carrier network. Knowledge of the carrier's configuration is required before the parameters can be provisioned using the Local Amplifier Configuration Utility (LACU) or via the WilsonPro Cloud.



Band-Status Screens

To view specific band information (such as the strength of the received uplink & downlink 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 or equal to 60dB, the condition will be displayed as Green and no action is necessary.

(MENU SYSTEM - BAND-STATUS SCREENS cont.)

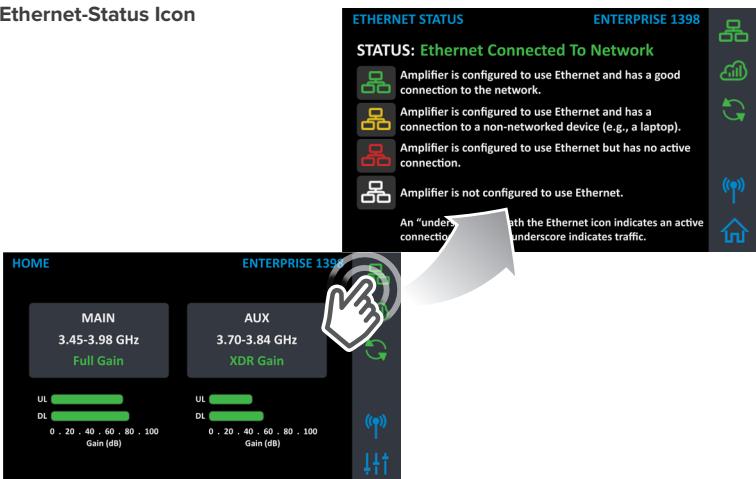
Shutdown Example



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

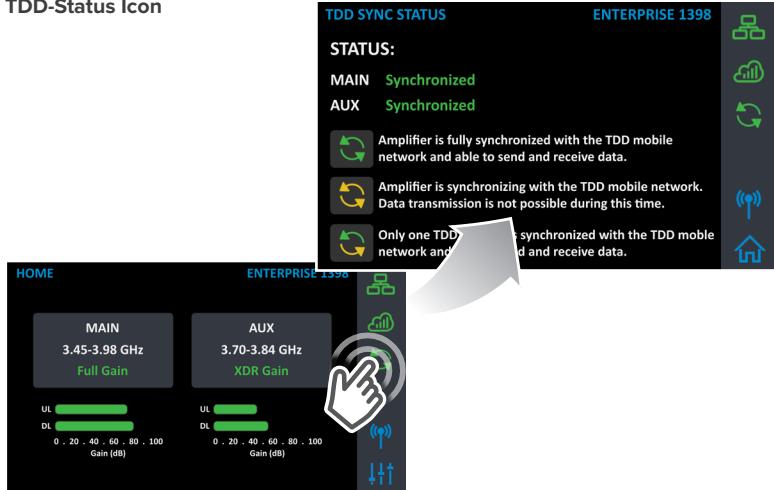


Cloud-Status Icon



(MENU SYSTEM - BAND-STATUS SCREENS cont.)

TDD-Status Icon



Safety Guidelines

⚠️ Warnings

To uphold compliance with network protection standards, all active cellular devices must maintain at least 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 8 inches 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.

Replacement Fuse: 5x20mm, 0.8A Type T (Time-Lag), 250VAC.

This equipment is not suitable for use in locations where children are likely to be present.

WARNING. This is **NOT** a **CONSUMER** device. It is designed for installation by **FCC LICENSEES** and **QUALIFIED INSTALLERS**. You **MUST** have an **FCC LICENSE** or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.

WARNING. This is **NOT** a **CONSUMER** device. It is designed for installation by an installer approved by an **ISED** licensee. You **MUST** have an **ISED LICENCE** or the express consent of an **ISED** licensee to operate this device.

AVERTISSEMENT: Ce n'est **PAS** un appareil **CONSOMMATEUR**. Il est conçu pour être installé par un installateur agréé par un licencié **ISED**. Vous **DEVEZ** détenir une **LICENCE ISED** ou le consentement exprès d'un titulaire de licence **ISDE** pour utiliser cet appareil.

FOR MORE INFORMATION ON REQUIREMENTS SET OUT IN ISED CPC-2-1-05, SEE BELOW:

<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08942.html>

Antennas

The following antennas are certified to be used with the **ENTERPRISE 1398**.

Outside antenna maximum permissible antenna gain less coax loss (dBi) 50Ω	1.9
Inside antenna maximum permissible antenna gain less coax loss (dBi) 50Ω	-2.6

Fixed Outside Antenna

Wide Band Directional With 100' LMR 400

310002-952300

Wide Band Directional With 100' LMR 400

311245-952300:

Fixed Indoor Antenna

Inside Antenna Kits **6010026-952300**: Dome w/100' Wilson 400

Inside Antenna Kits **311243-952300**: Panel w/100' Wilson 400

Inside Antenna Kits **311242-952300**: Dome w/100' Wilson 400

All equivalent or lesser antennas and cables are suitable for use with **460072** signal boosters.

Specifications

MODEL NUMBER	460072 / 461072
FCC ID	PWO072
IC ID	4726A-072
CONNECTORS	N-Connectors
ANTENNA IMPEDANCE	50 Ohms
FREQUENCY	3450-3980 MHz
POWER OUTPUT FOR SINGLE CELL PHONE (Uplink) dBm	28.5
POWER OUTPUT FOR SINGLE CELL PHONE (Downlink) dBm	28.3
NOISE FIGURE	5 dB Nominal
ISOLATION	>90 dB
POWER REQUIREMENTS	120...240V / 50...60 Hz / 0.8...0.4A

The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met.

Each Signal Amplifier is individually tested and factory set to ensure FCC compliance. The Amplifier cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Amplifier will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Amplifier is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Amplifier detects an oscillation, the Signal Amplifier will automatically turn the power off on that band. For a detected oscillation the Signal Amplifier will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Amplifier has been manually restarted by momentarily removing power from the Signal Amplifier. Noise power, gain, and linearity are maintained by the Signal Amplifier's microprocessor.

This device complies with Part 15 of FCC rules. Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by Wilson Electronics LLC could void the authority to operate this equipment.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device. Changes or modifications not expressly approved by Wilson Electronics LLC could void the authority to operate this equipment.

 This product conforms to UL/CSA/IEC STD 62368-1 for US and Canada.

NEED HELP?

 support@wilsonelectronics.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.



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For patents go to: weboost.com/us/patents



THIS PRODUCT CONFORMS TO UL/CSA STD 62368-1 FOR US AND CANADA