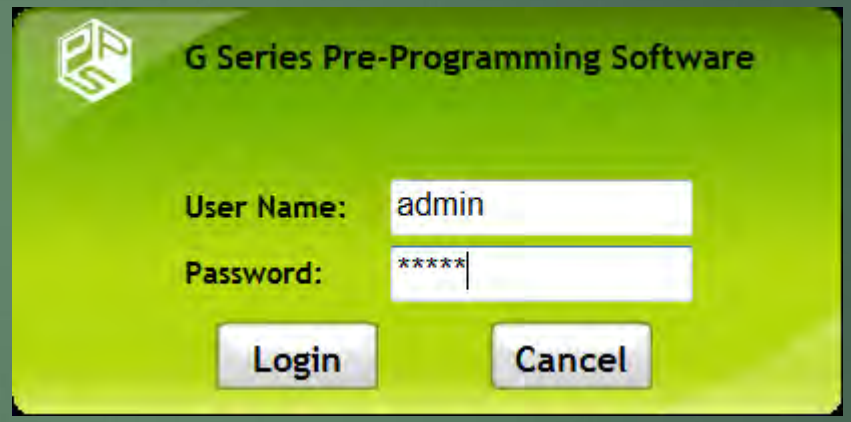
G Series PPS Overview

USING

G_SERIES_PPS_V00-03-05_BETA01 AND LATER

Logging In

When logging in to the PPS you will be presented with the login screen the default username and password is admin.

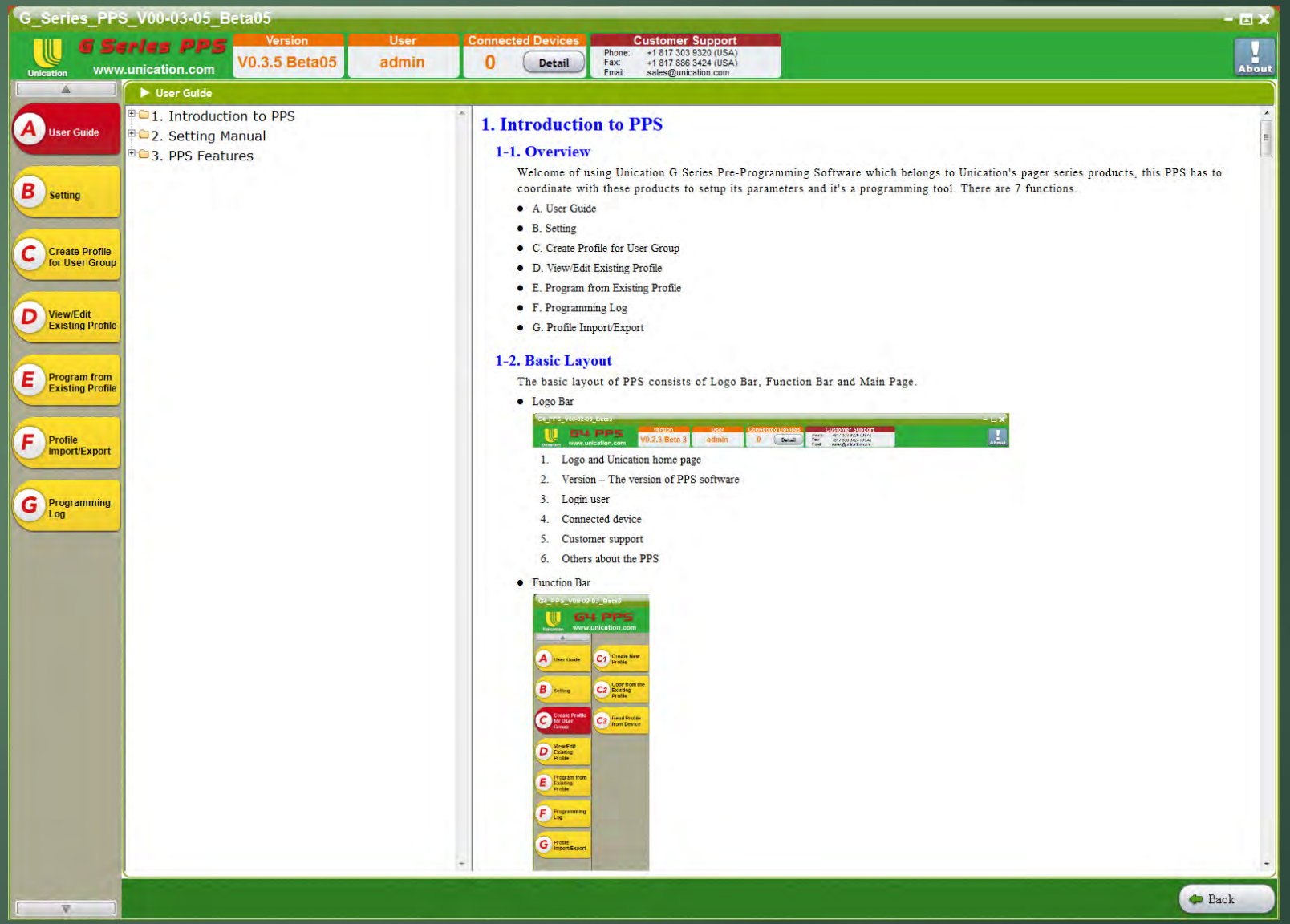


The Home Screen

This is the Welcome screen. As you can see on the left side of the screen there are 7 tabs labeled A-G available.

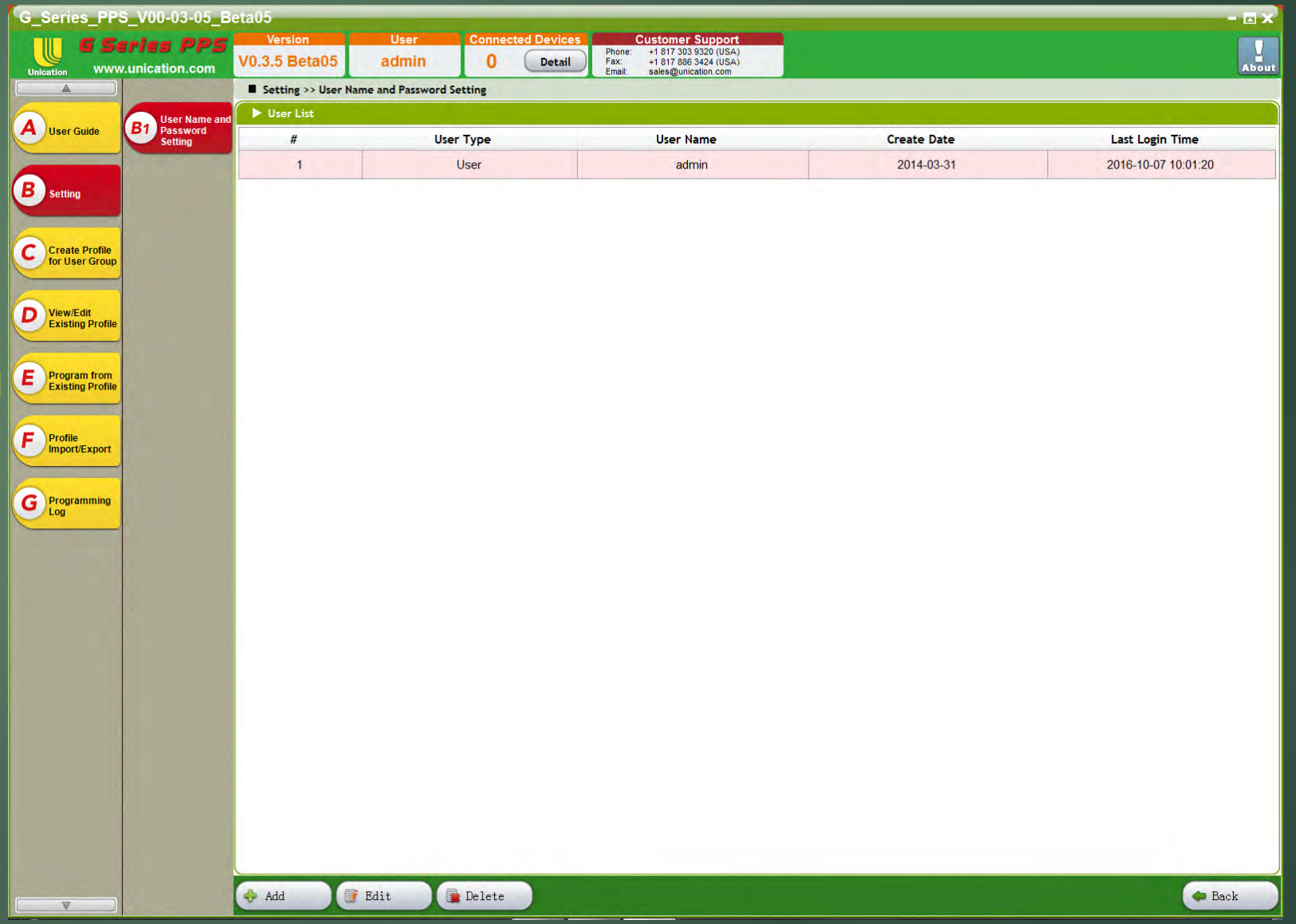
Tab A: User Guide

Tab A includes a PPS user guide that describes each detail of the PPS.



Tab B: Settings

Tab B includes one internal tab: Tab B1- Username and Password Settings. Tab B1 allows for the addition, deletion, or editing of Username and Password information.



Tab C: Create Profile For User Group

Tab C has 3 internal tabs:

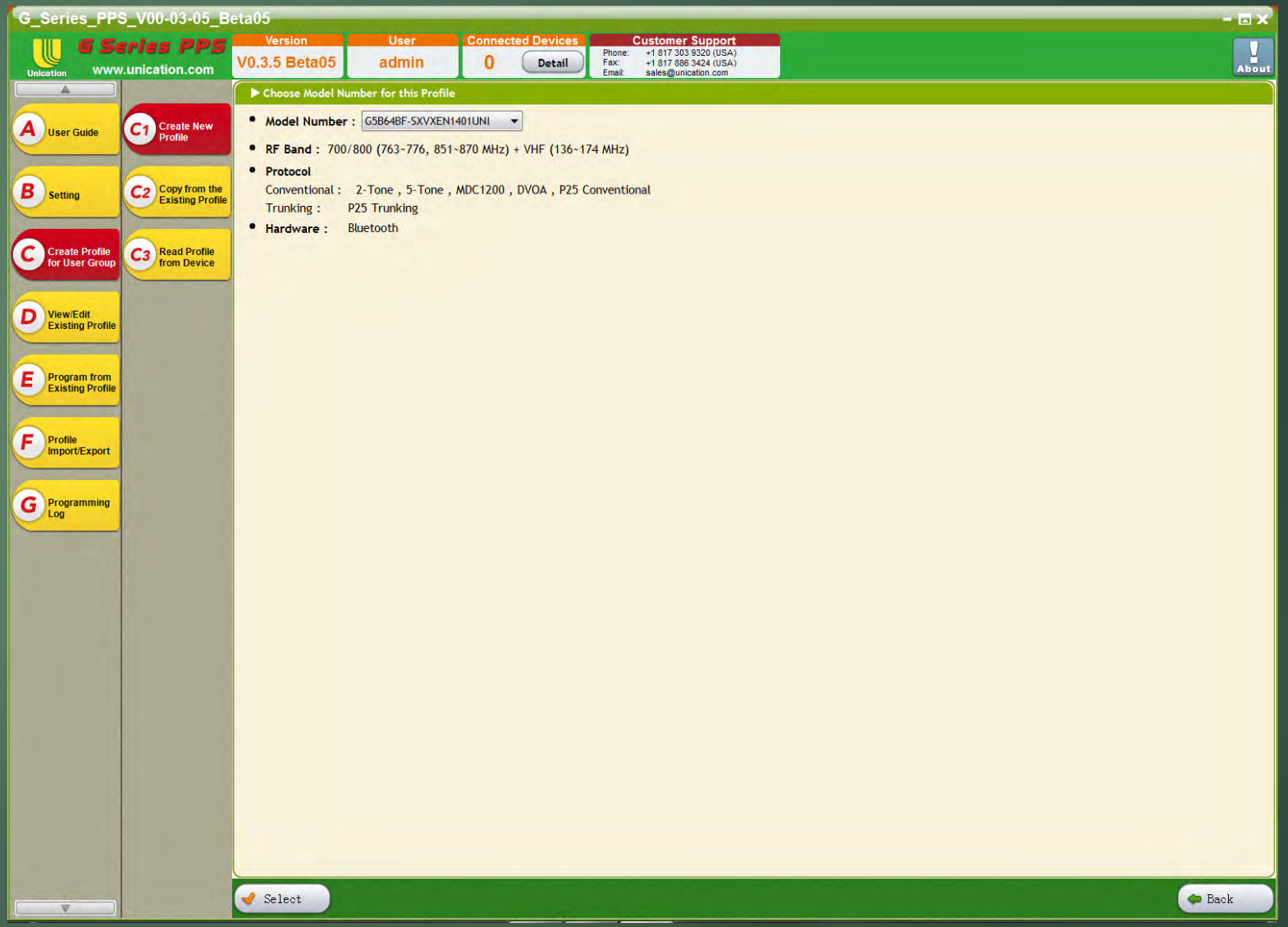
C1- Create New Profile

C2- Copy From Existing Profile

C3- Read Profile From Device.

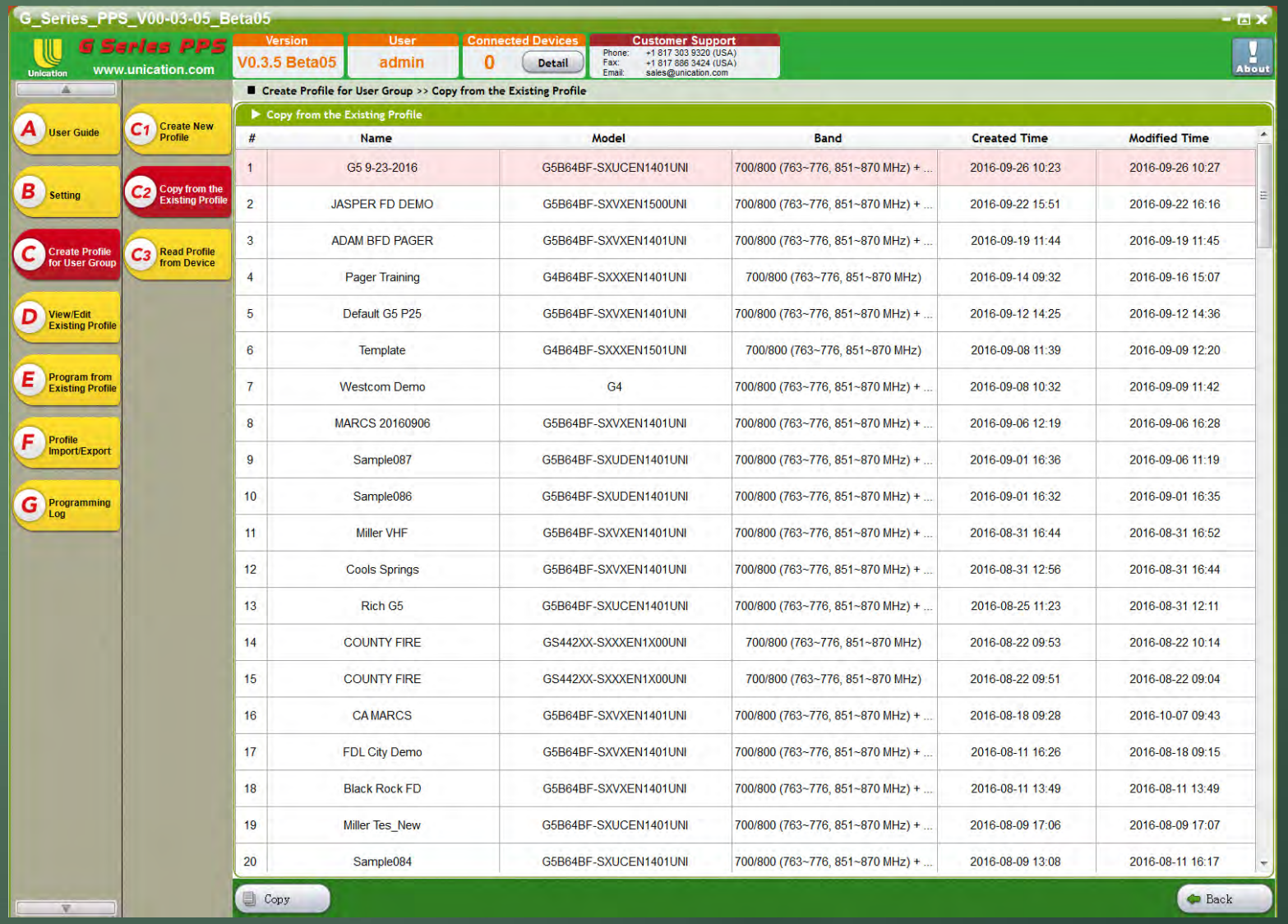
Tab C1: Create New Profile

Tab C1 allows for the creation of a default programming file that can be edited for you specific needs. The model number of your unit can be selected via the dropdown menu. When a model is selected it will display the RF Band of the selected model. Be sure to cross-reference the band of your unit to be sure that you have selected the correct model number before proceeding.



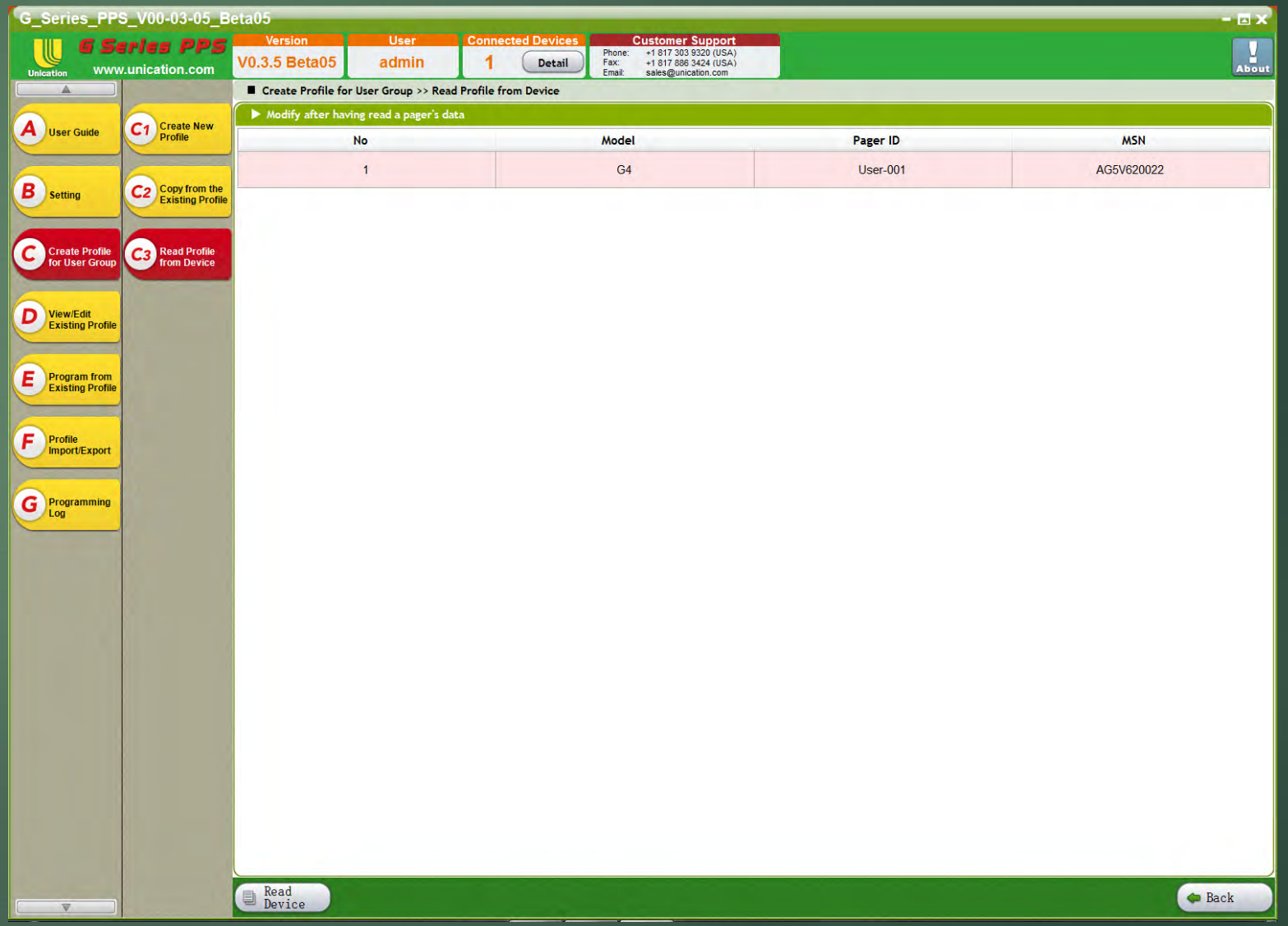
Tab C2: Copy From Existing Profile

Tab C2 allows you to copy an existing profile. This is useful when wanting to make changes to a profile while still preserving the original.



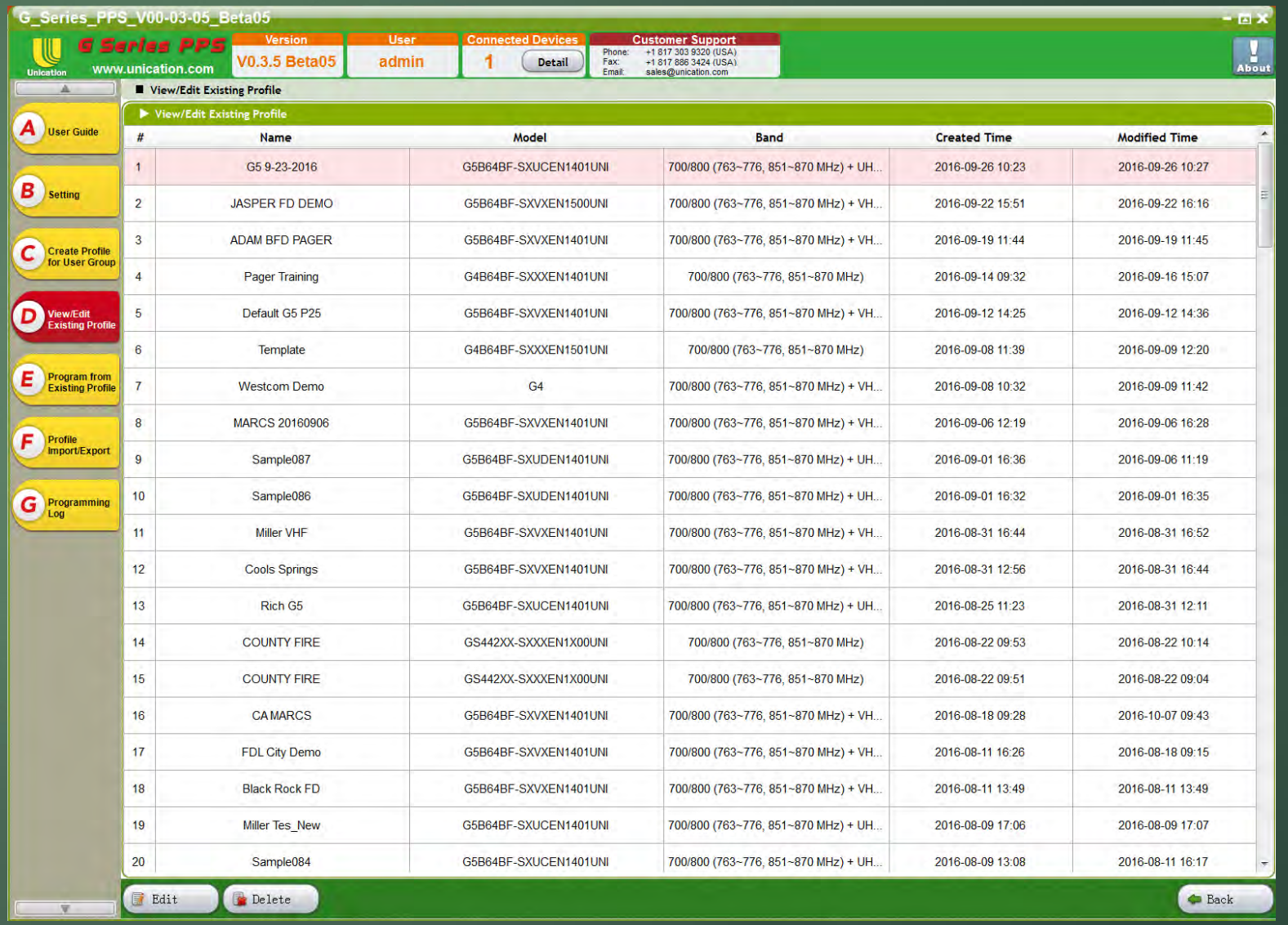
Tab C3: Read Profile From Device

This is as simple as it sounds. Tab C3 allows you to read the existing profile from a connected device by simply clicking the Read Device button.



Tab D: View/Edit Existing Profile

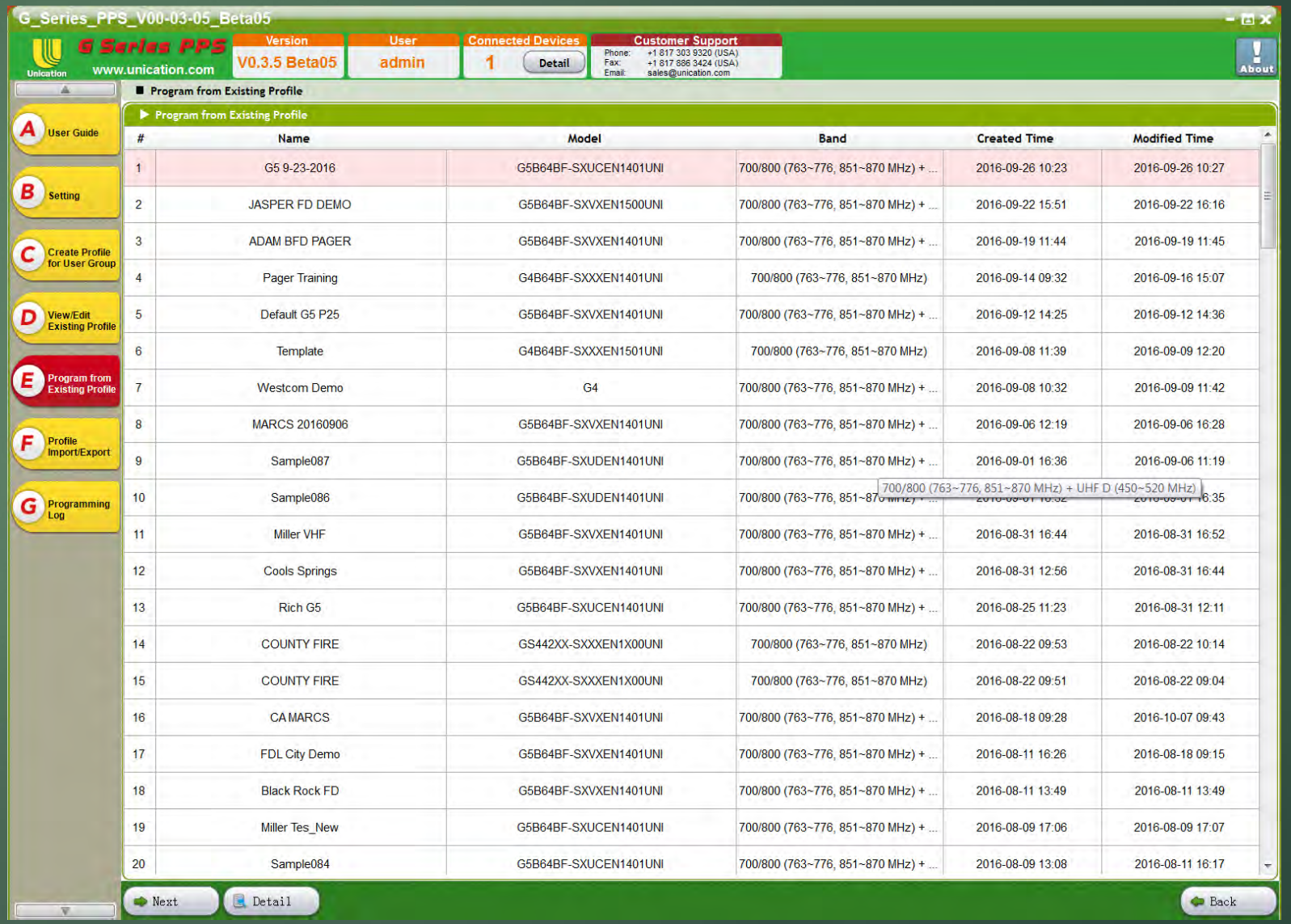
Tab D allows you to view, edit, and delete existing profiles by selecting the desired profile and either clicking Edit or Delete.



Tab E: Program From Existing Profile

Tab E allows you to program a unit with an existing profile without having to actually view the profile.

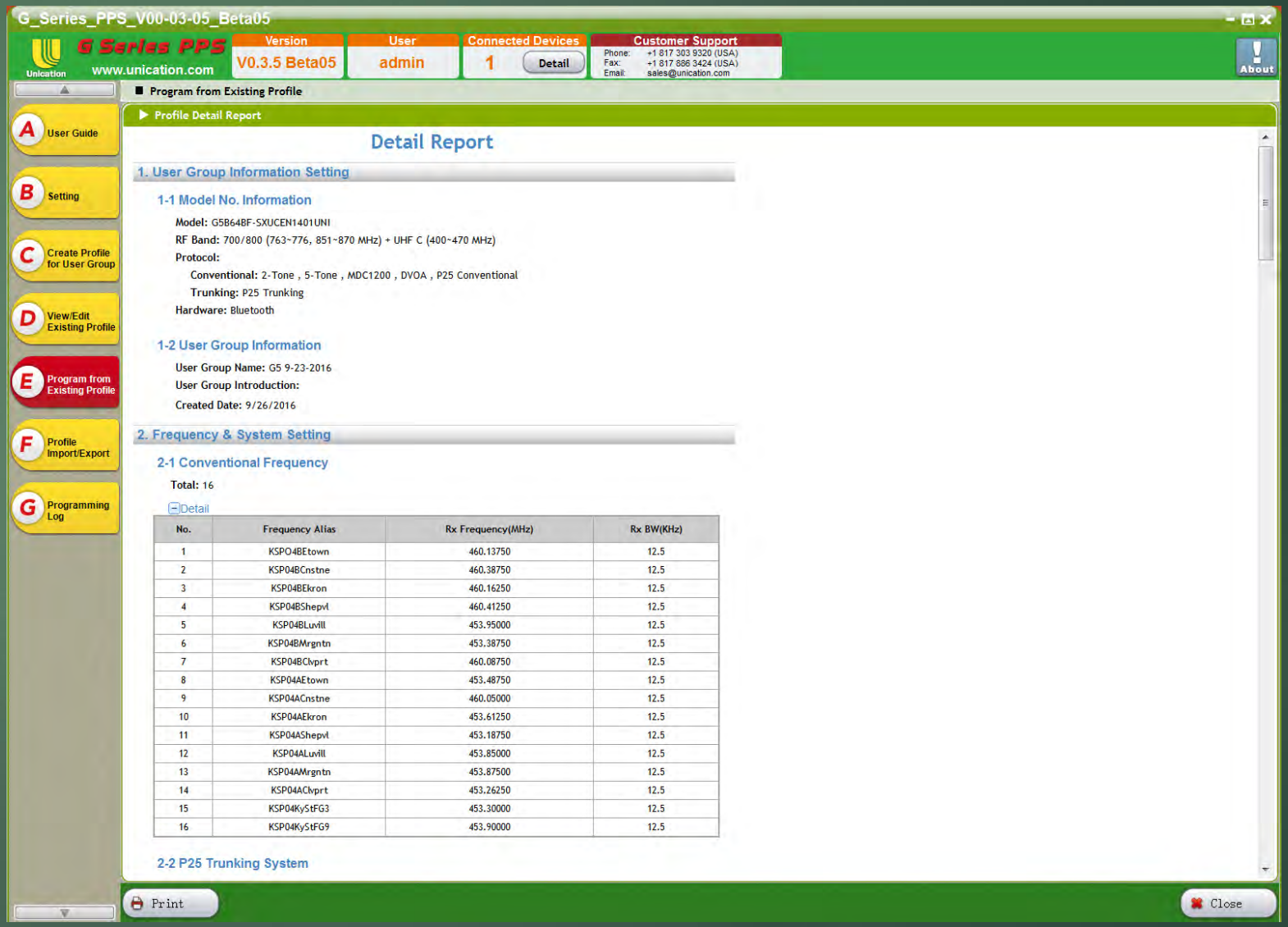
Simply select the profile, click Next, and then Program. The PPS will program your connected unit with the selected profile.



Tab E Detail Button: Profile Detail Report

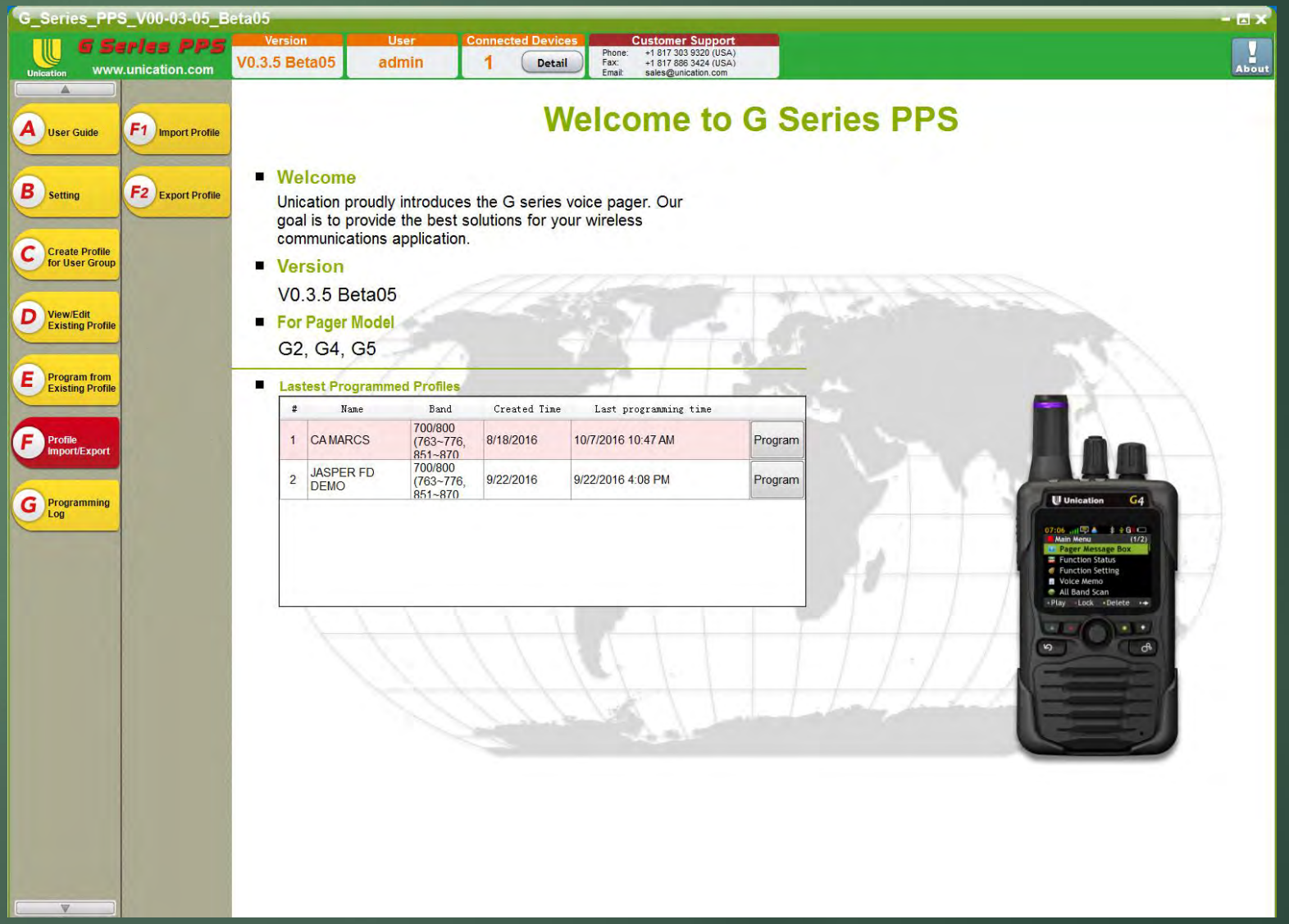
When the Detail button is pressed when a profile is selected in Tab E the PPS will generate a Profile Detail Report. This Report displays all of the information about the selected Profile which can be viewed or printed via the print button.

TIP: If you are going to print this page be sure to expand all of the fields.



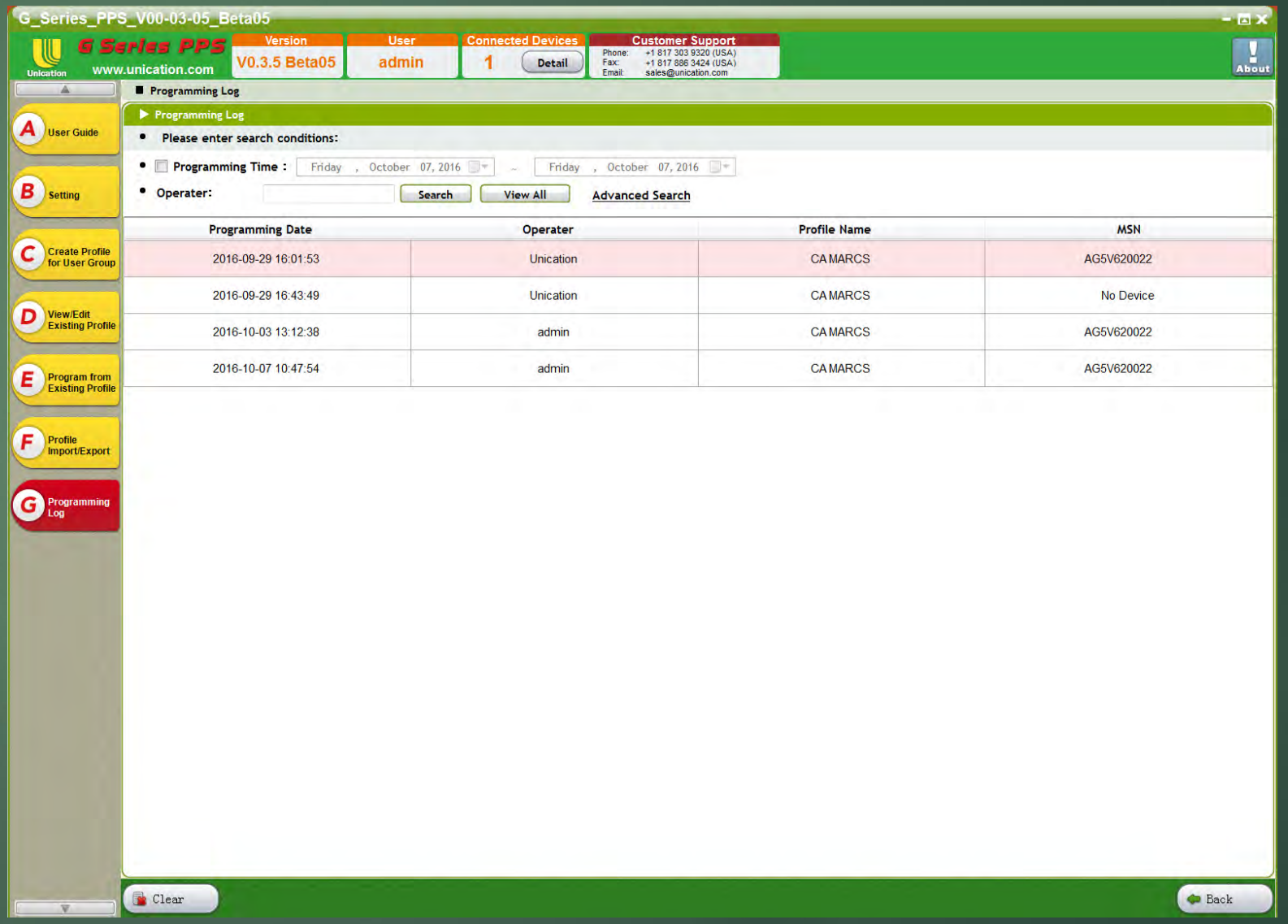
Tab F: Profile Import/Export

Tab F has 2 internal tabs: F1 Import Profile and F2 Export Profile. This procedure is very user friendly, it is a simple Open/Save As procedure.



Tab G: Programming Log

Tab G gives you a list of Dates/Times, Users, Profiles, and Devices that have used this PPS.

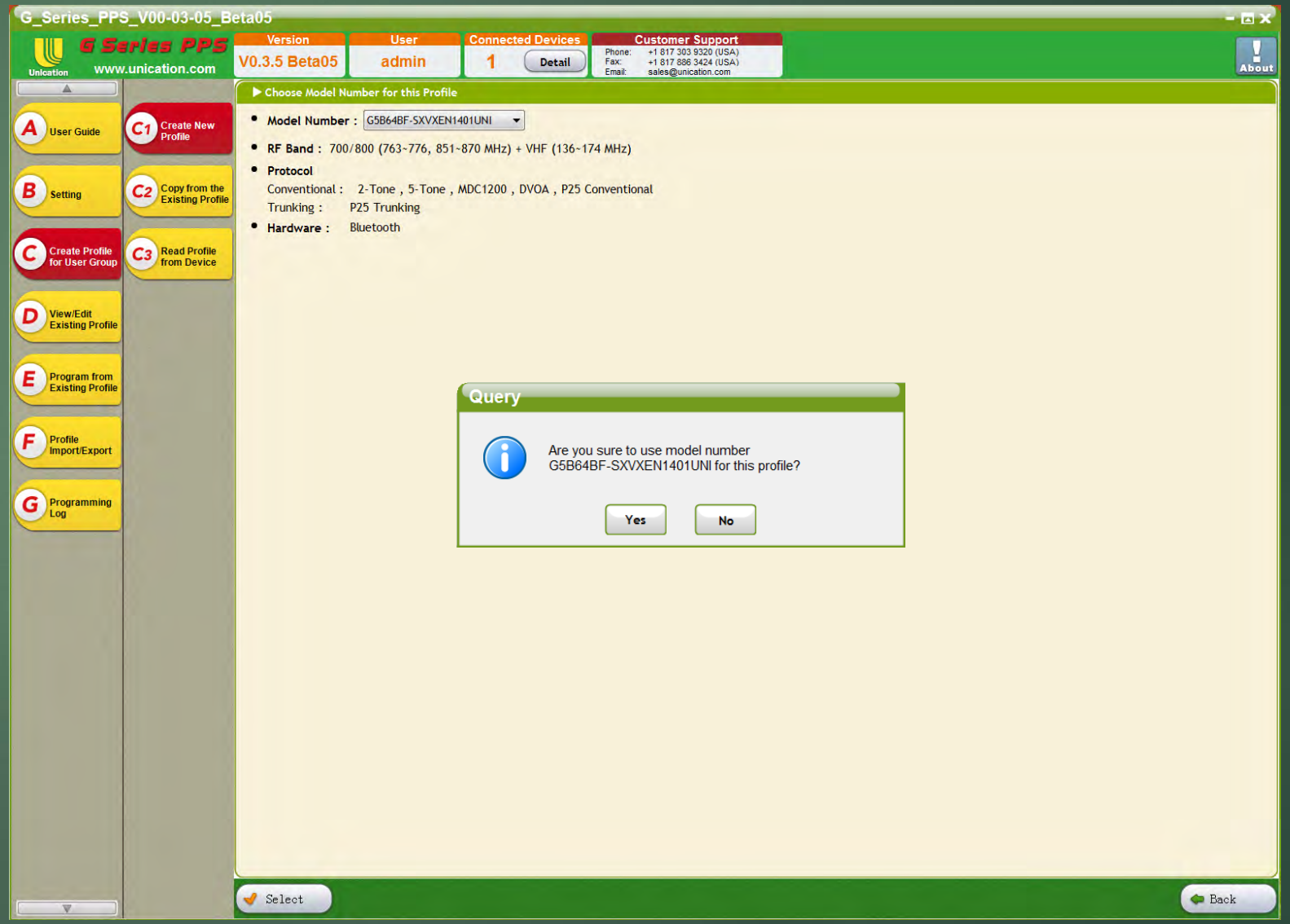


Building Your First Profile

Tab C1:
Create New Profile

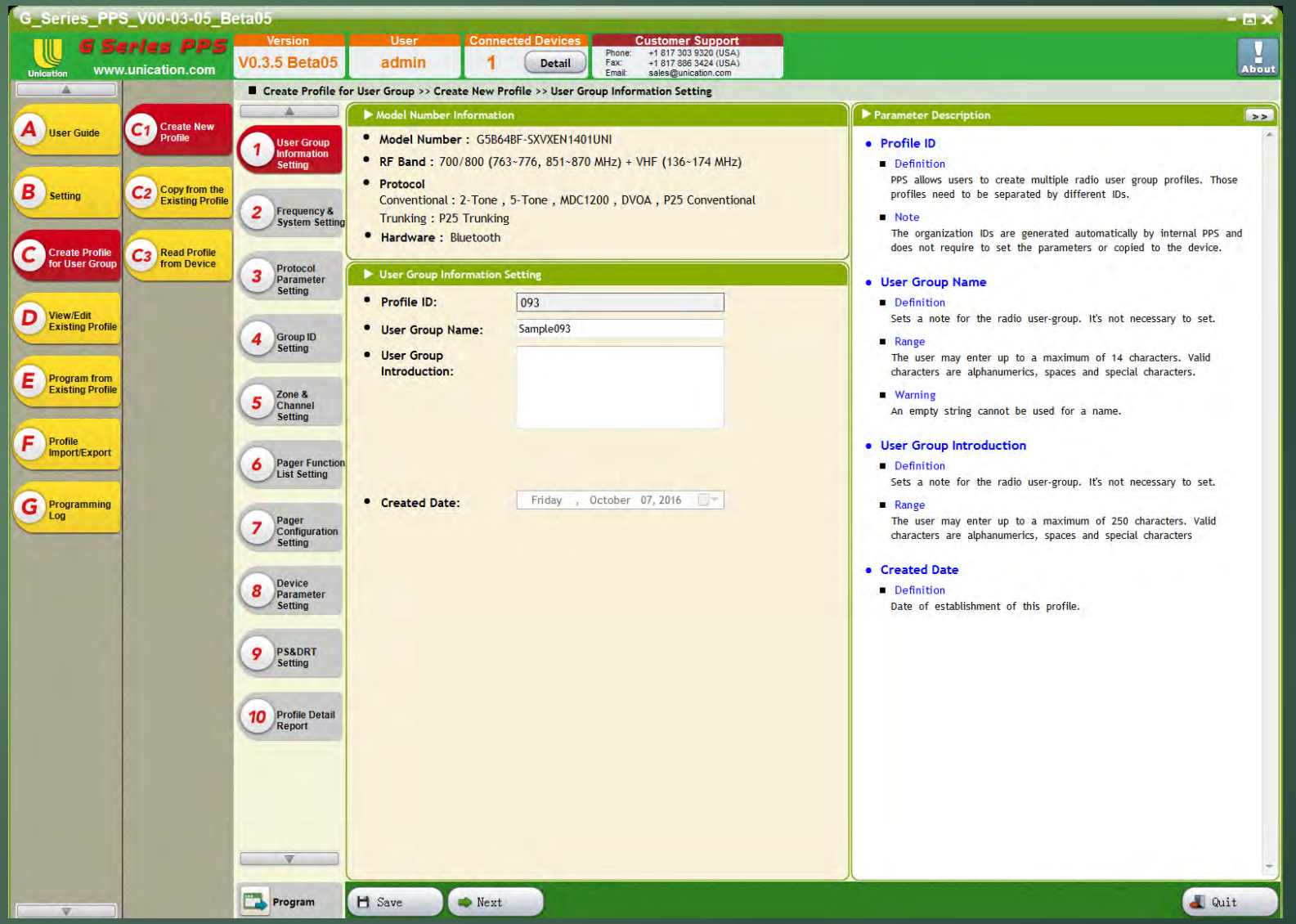
First thing you must do is navigate to C1 and select your Model Number and press the select button and click yes when prompted.

For the purposes of this demonstration I am going to be building a VHF & 700/800 G5.



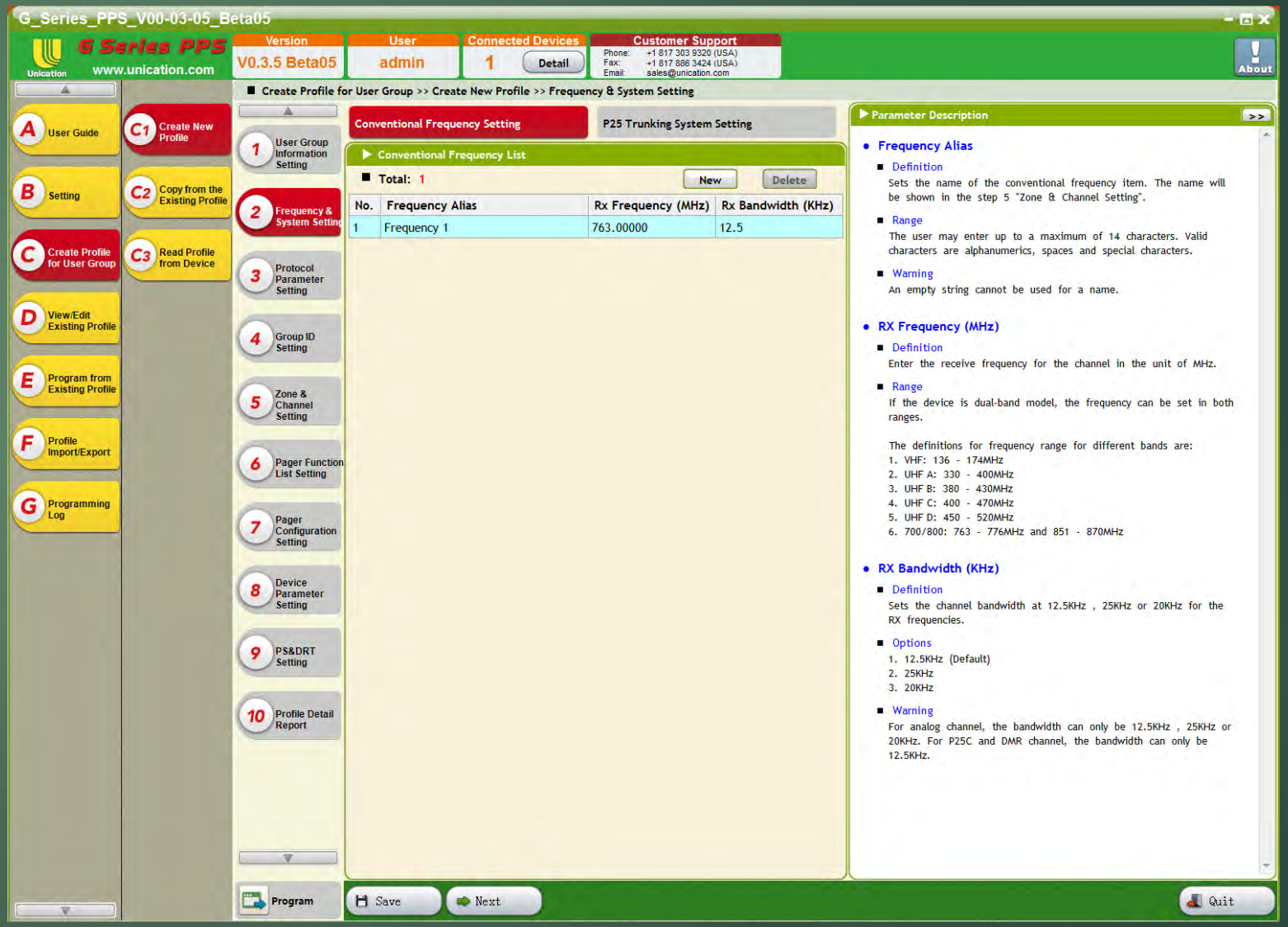
Tab 1: User Group Information Setting

In this tab the only pertinent field is User Group Name. This field will determine the name of the file when viewed using Tab D of the PPS.



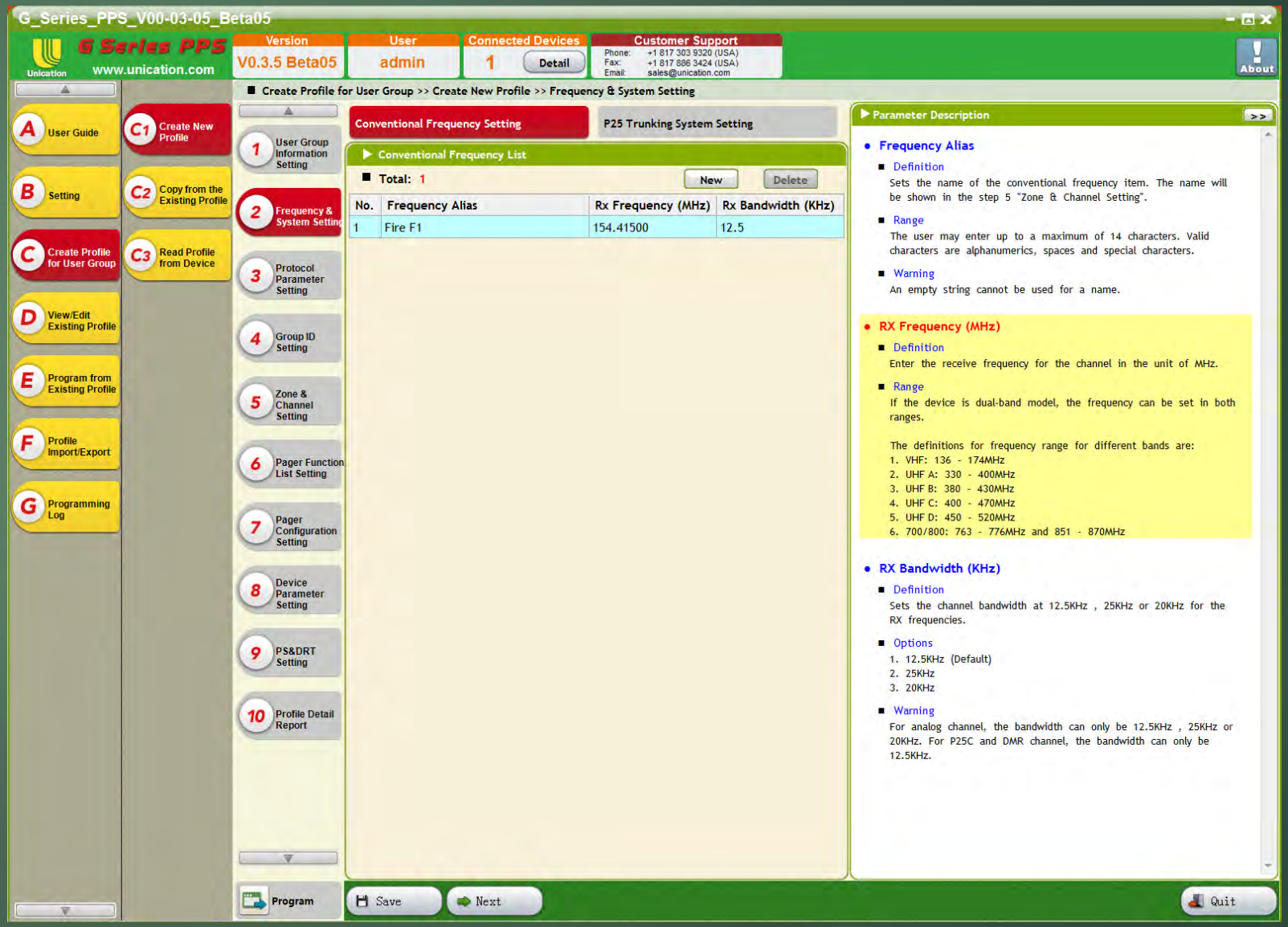
Tab 2: Frequency & System Settings

This tab has 2 header tabs: Conventional Frequency Setting (2A) and P25 Trunking System Setting (2B). In the next few slides I will explain each aspect of these 2 header tabs.



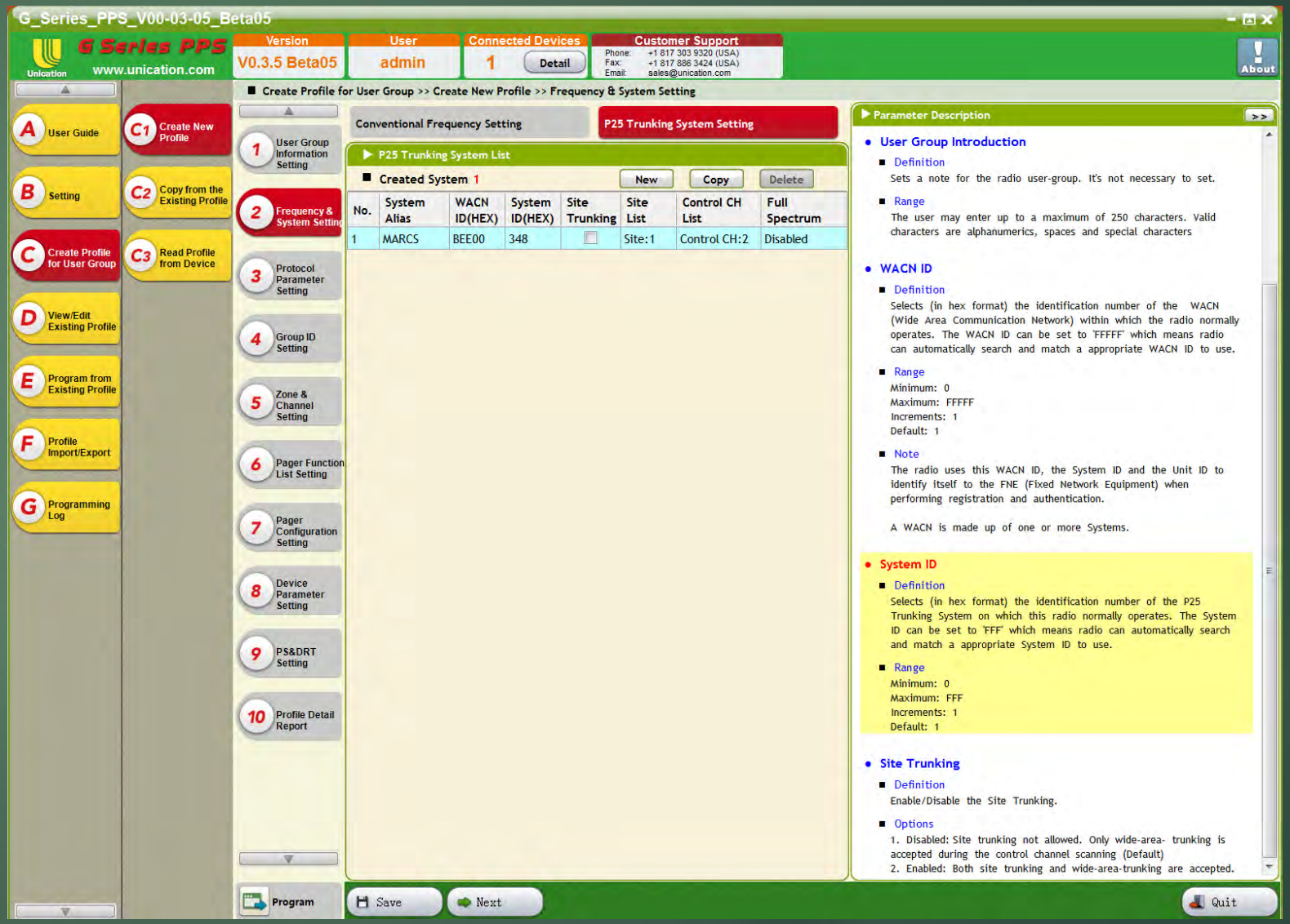
Tab 2A: Conventional Frequency Setting

In this section of the PPS you can add all of your Analog and P25 Conventional frequencies. By clicking on the frequency alias it allows you to name each frequency for easier identification later. I have decided to add our local VHF Fire frequency. New frequencies can be added by clicking the button labeled New.



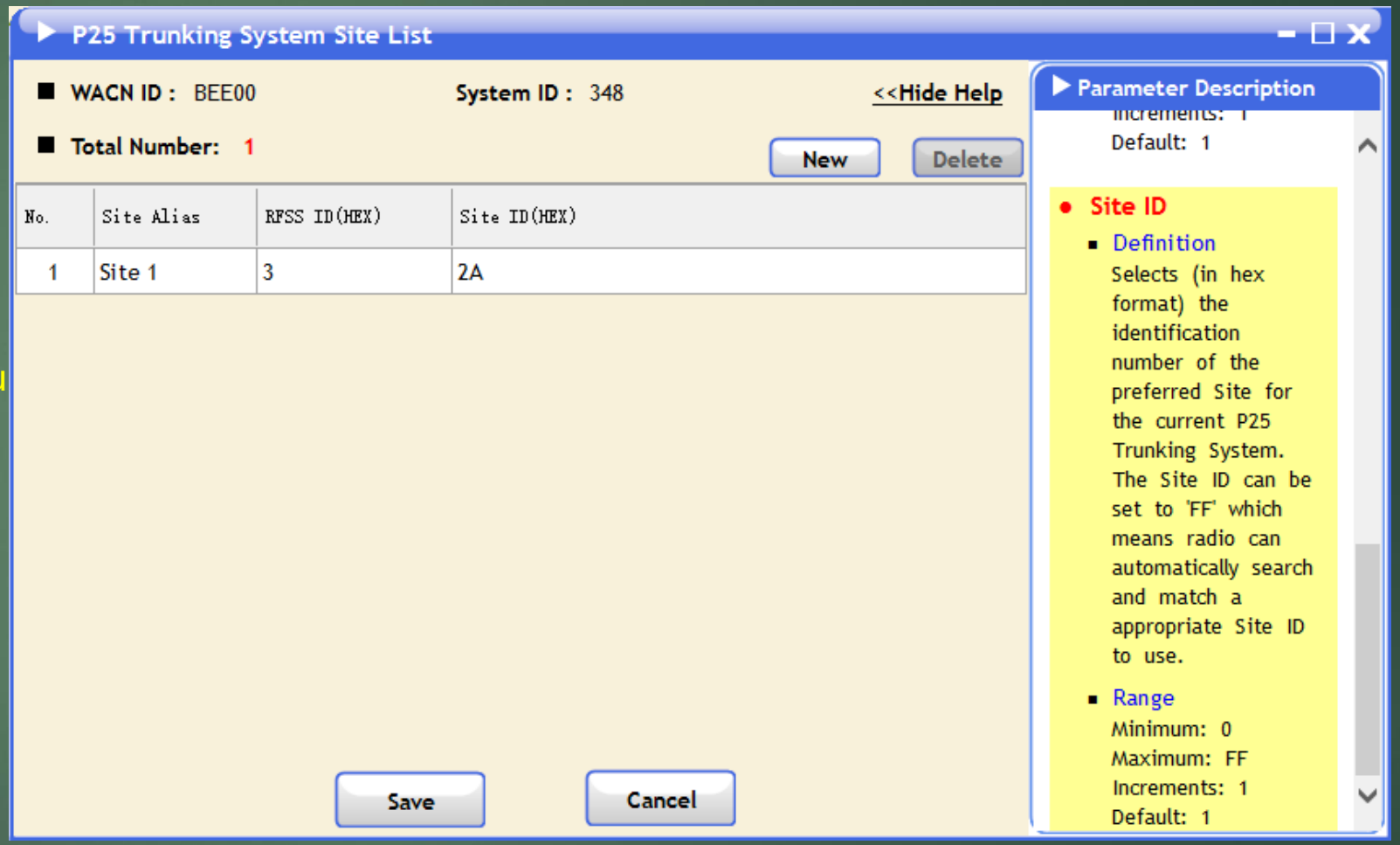
Tab 2B: P25 Trunking System Setting

In this tab you enter in all of your P25 Trunking system information for all systems you wish to monitor. You can create a New system, Delete a system or Copy an existing system by clicking the corresponding button.



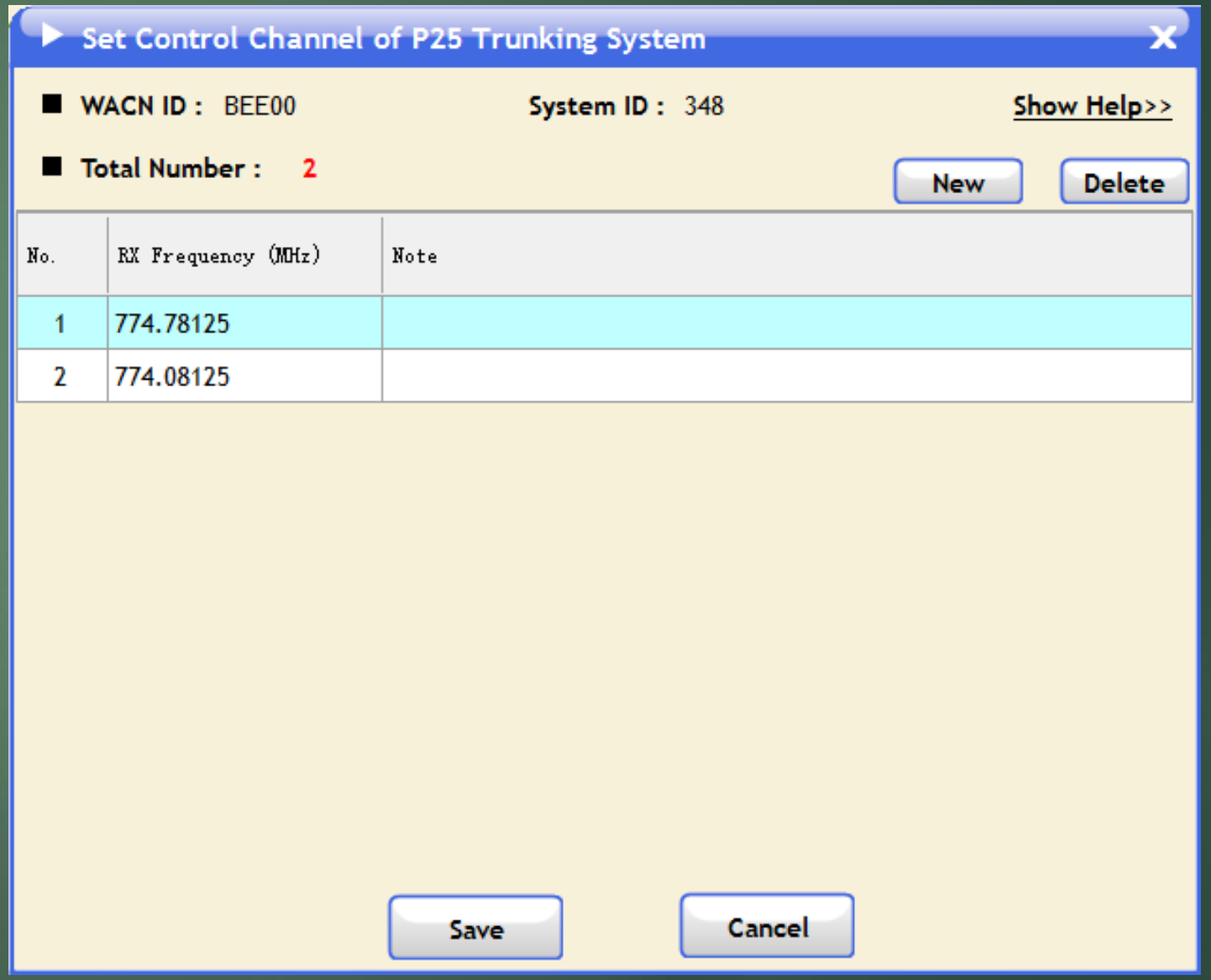
Tab 2B: Site List

By clicking on the site list cell you are presented with this window which allows you to enter pertinent site information. Such as RFSS ID and Site ID information.



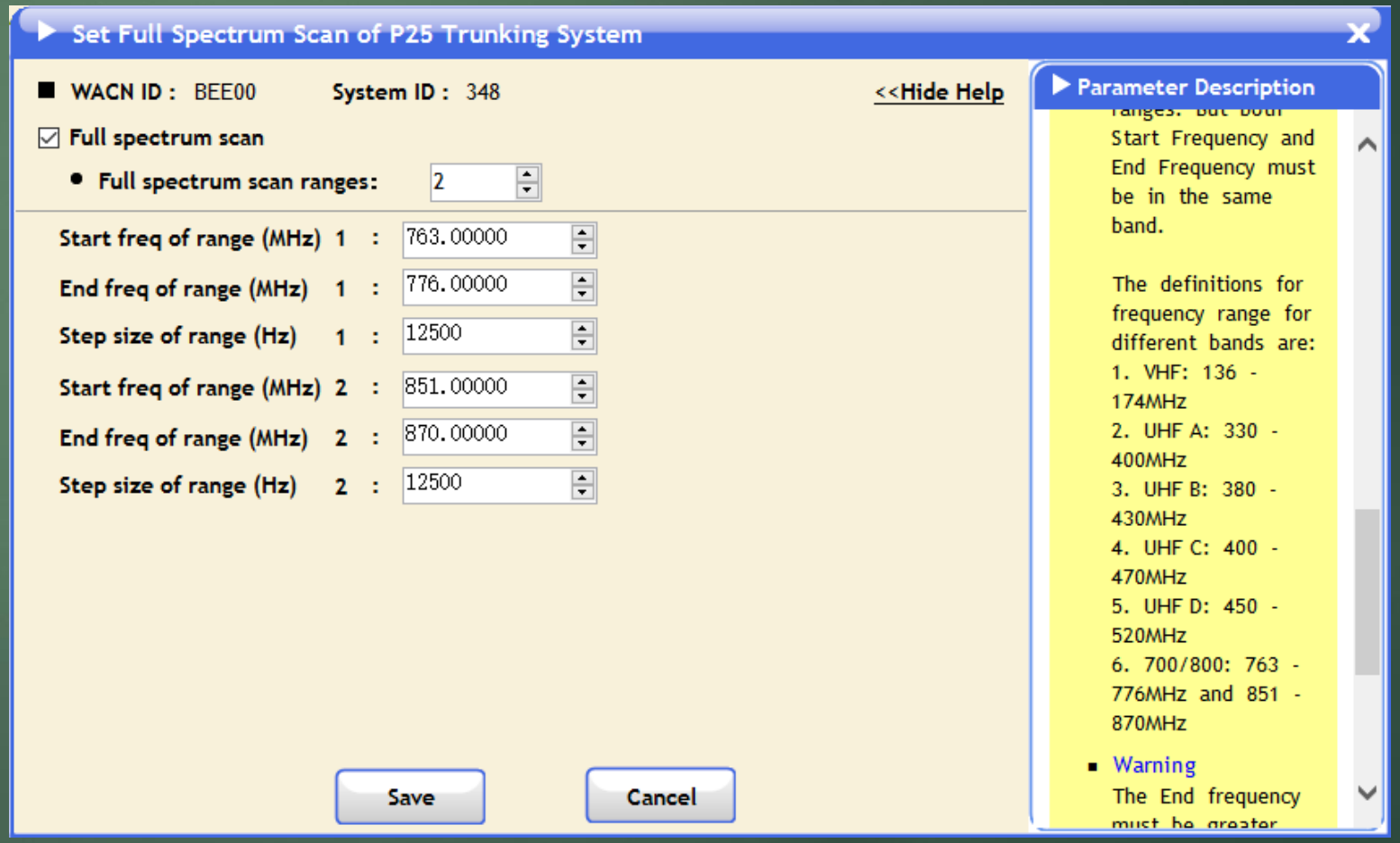
Tab 2B: Control Channel

When clicking on the control channel cell it allows you to enter your control channels for your P25 system. I recommend entering at least 2 for each site: 1 Primary and 1 Alternate.



Tab 2B: Full Spectrum Scan (Optional)

When setting up full spectrum scan be sure to set up 2 scan ranges if you want to scan both the 700 & 800 band.

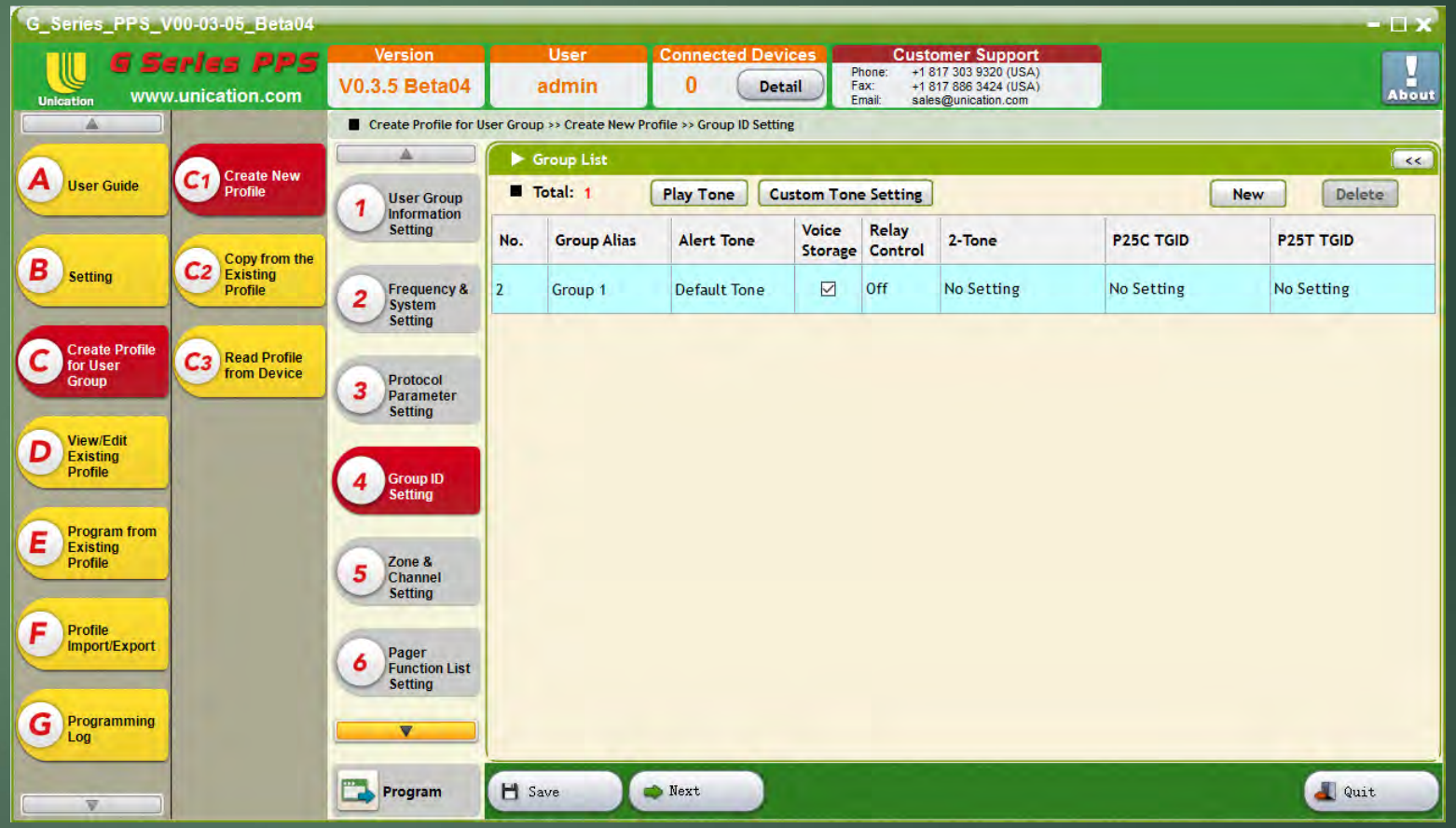


Tab 3: Protocol Parameter Setting

In tab 3 You can setup multiple protocols. I have chosen to set up 2-tone P25C and P25T.

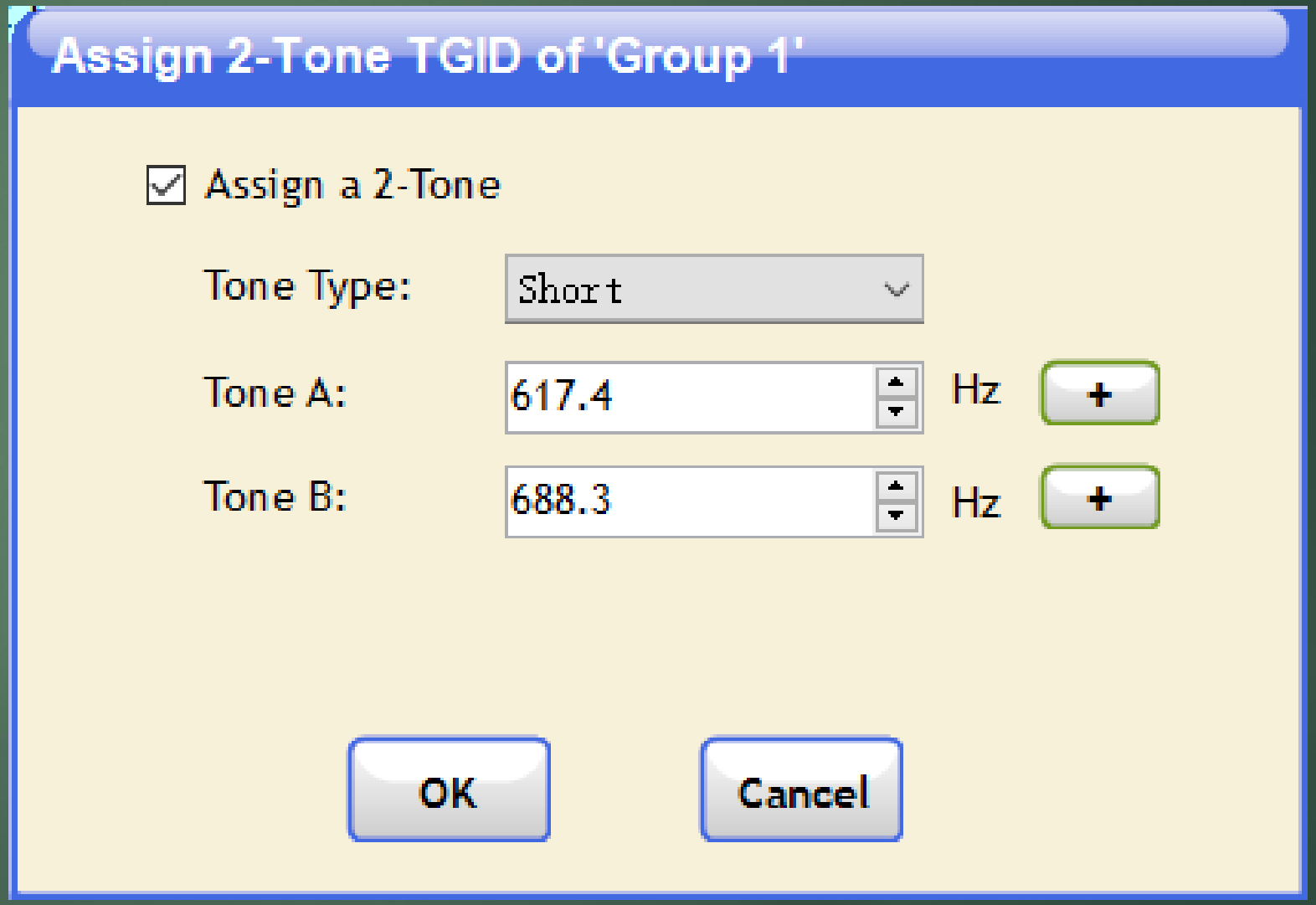
Tab 4: Group ID Setting

In Tab 4 we are presented with the opportunity to enter our 2-Tone, P25C TGID's, and P25T TGID's. You can create multiple TGID's by clicking New. You can change the alert tone for each ID, including entering you own Custom Tone.



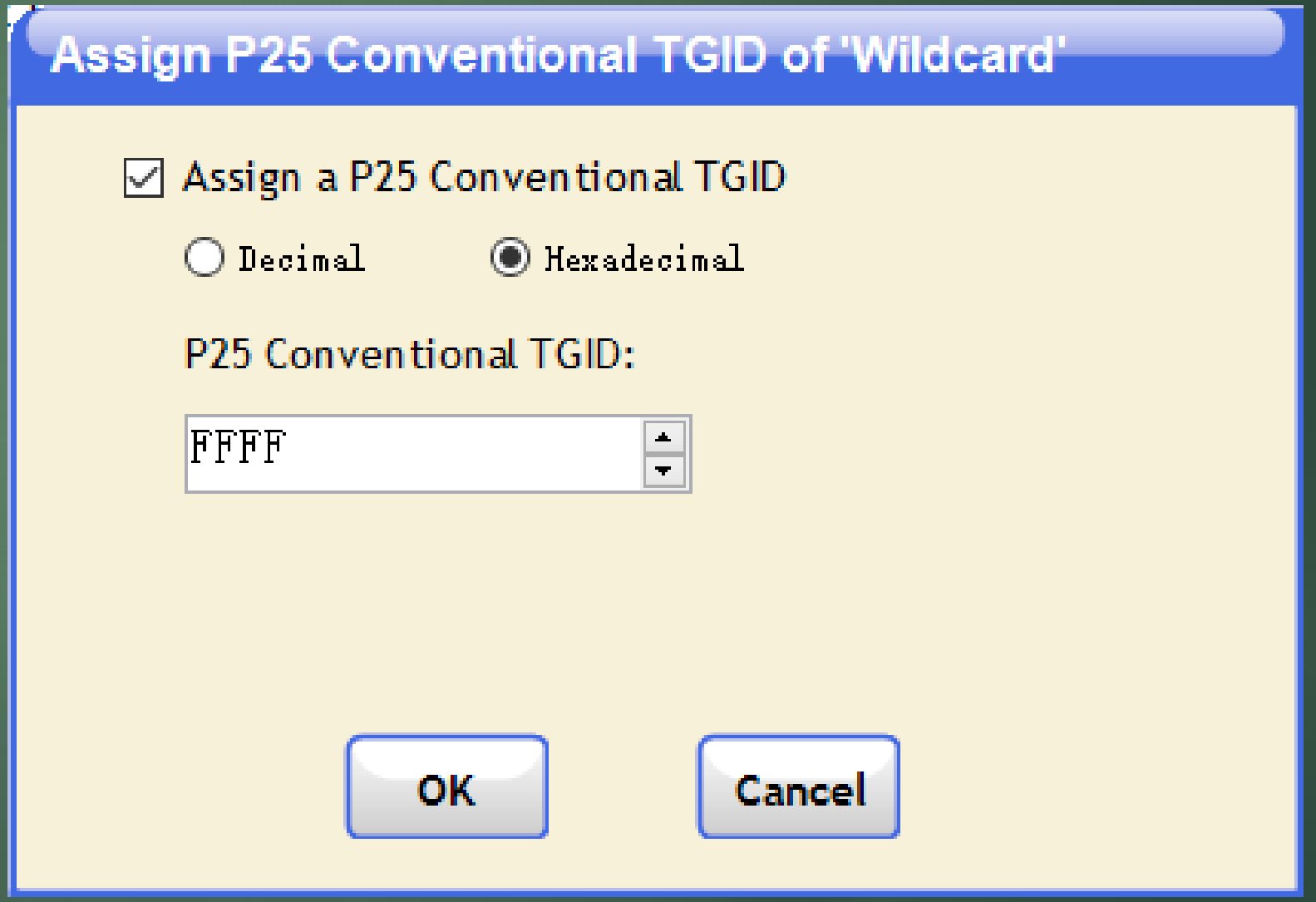
Tab 4A: Adding a 2-Tone Pair

By clicking No Setting you are presented with this window that allows you to enter your 2-Tone pair or select it from a list by pressing the + button.



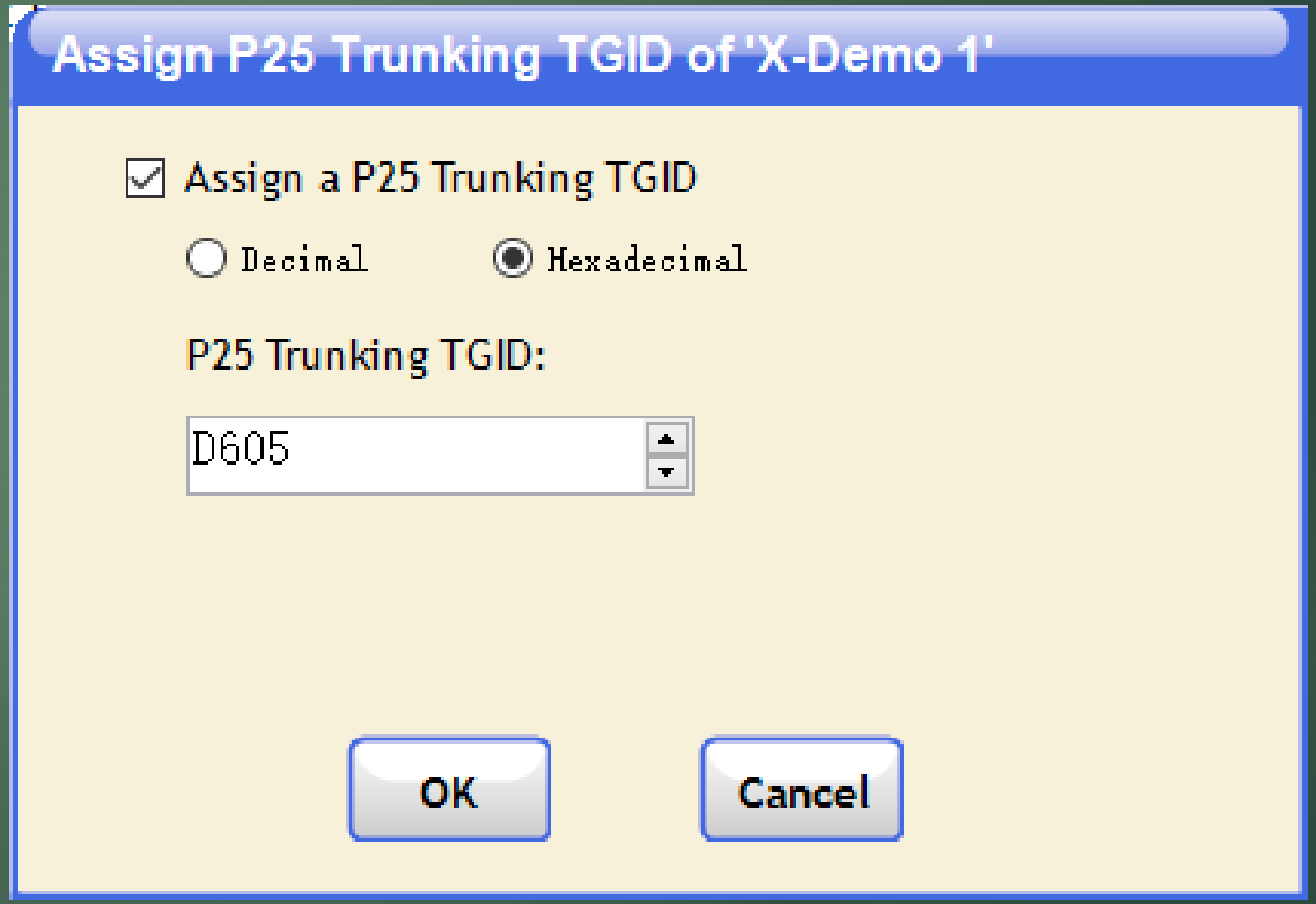
Tab 4B: P25C TGID

Since I am not using P25C for alerting I am going to enter our Wildcard ID FFFF(HEX).



Tab 4C: P25T TGID

This window is presented when entering a P25T TGID.

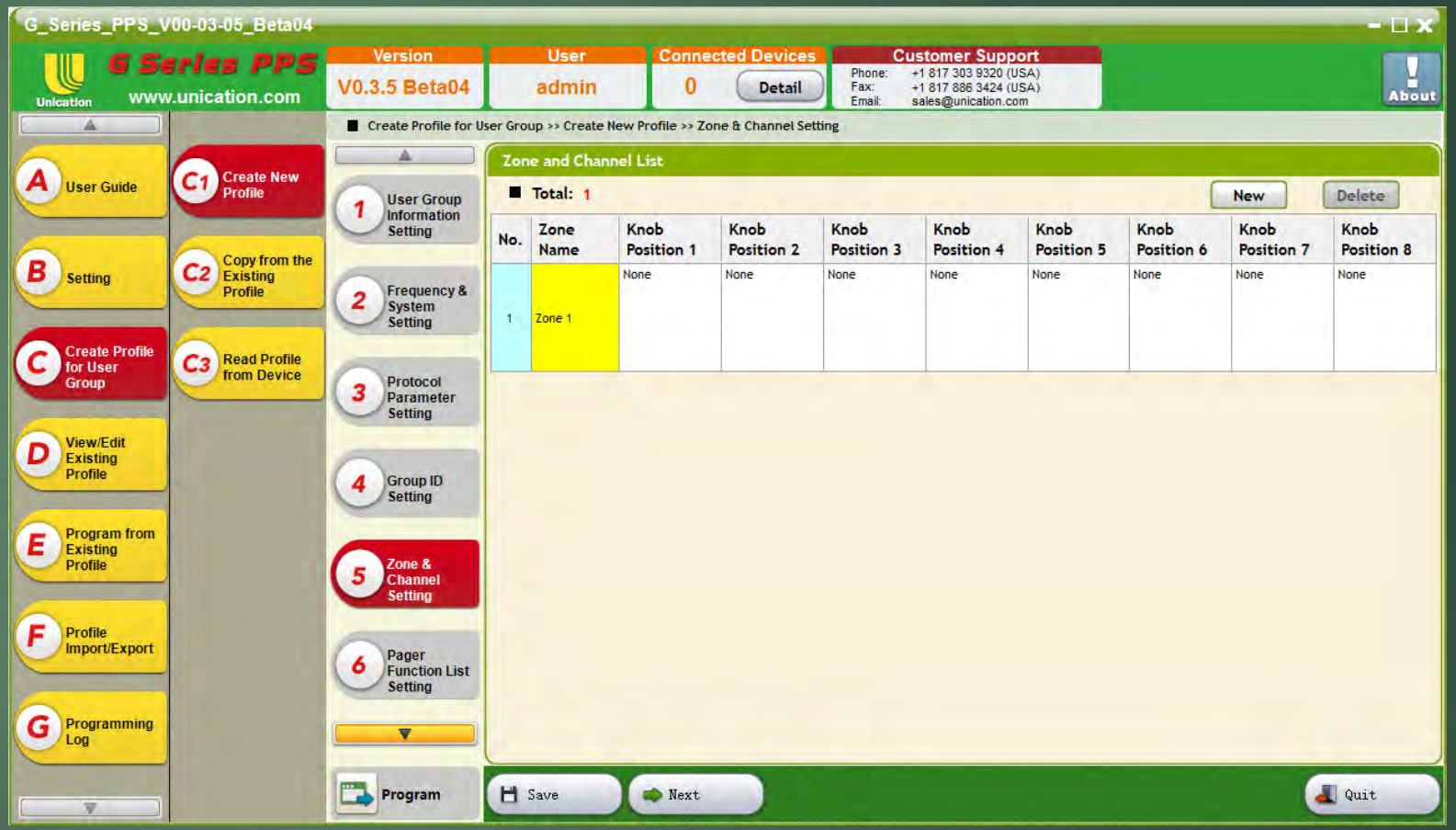


Tab 4: Group ID Settings

These are my finalized setting yours will be different.

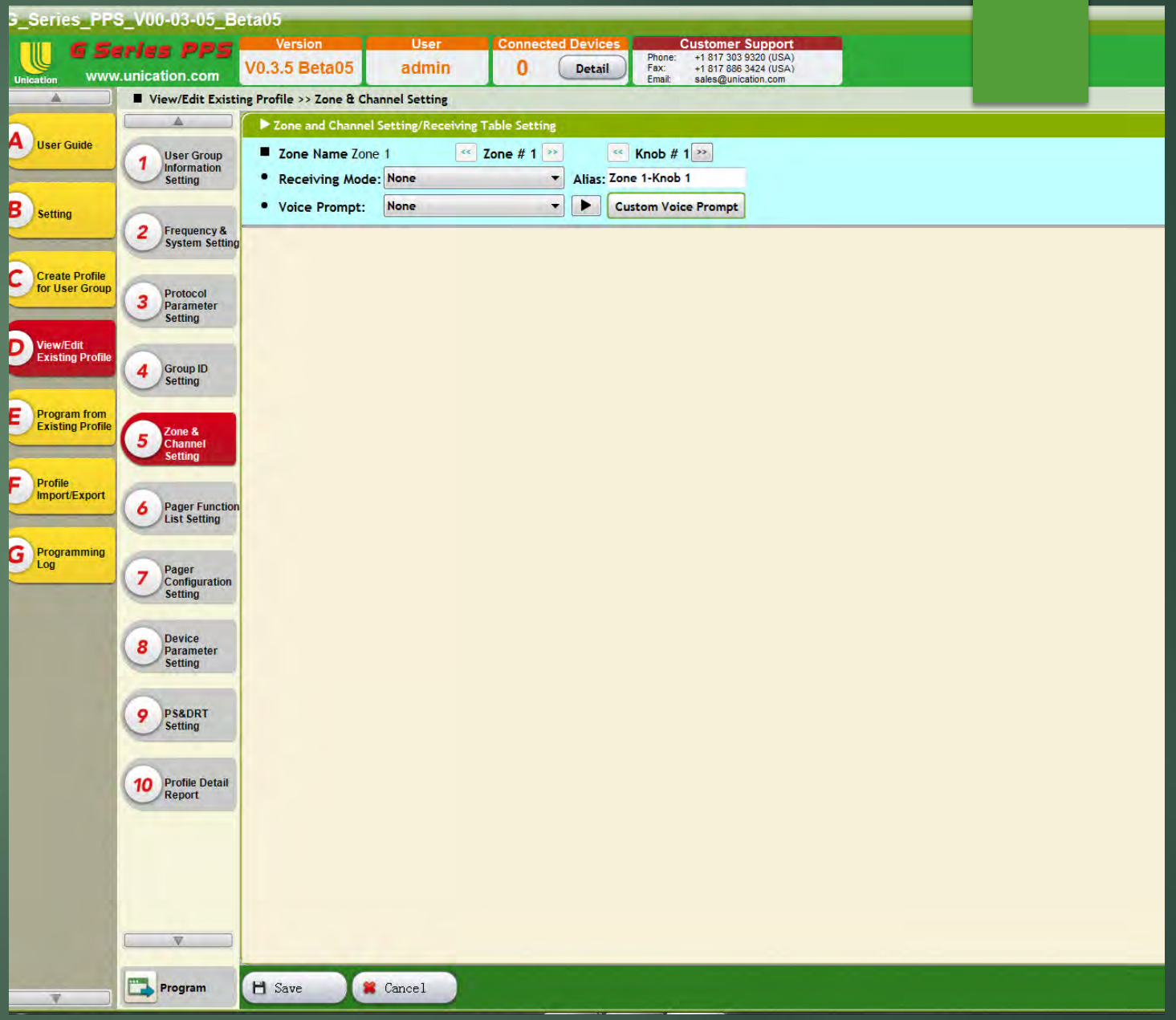
Tab 5: Zone & Channel Setting

In Tab 5 we create our knob positions. New zones can be added by pressing the New button.



Knob Positions

- You can Name each knob position by using the Alias Text box
- Custom Voice prompts can be added using



Tab 5A: Receiving Modes

▶Selective Call: Is silent until a 2-tone pair is received.

▶Monitor Mode: Allows the user to listen to all traffic on a specified frequency.

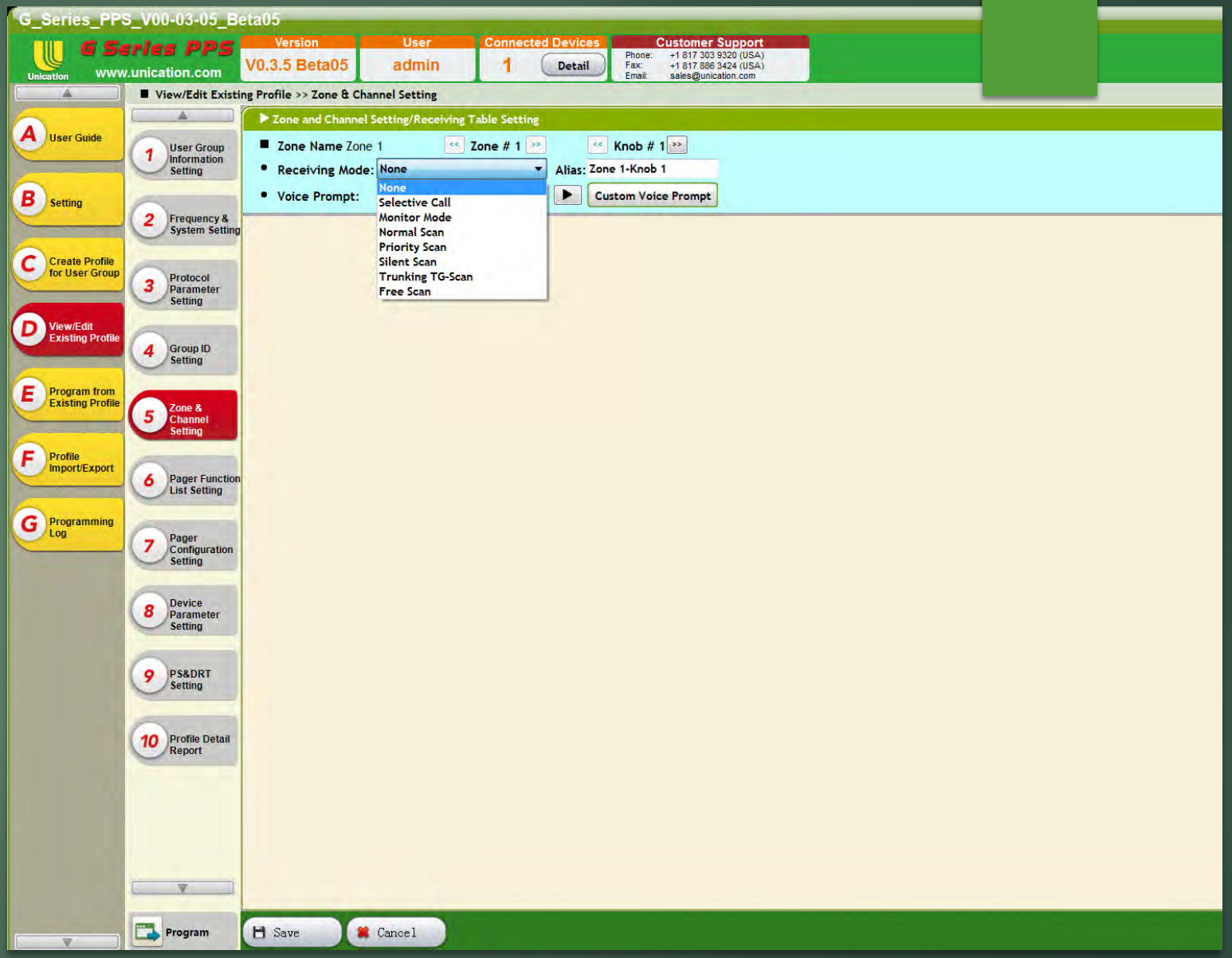
▶Normal Scan: Allows the user to scan up to 16 knob positions.

▶Priority Scan: Allows the user to scan up to 16 knob positions Prioritizing 1.

▶Silent Scan: Allows user to scan multiple frequencies for 2 tone pairs while remaining silent until this occurs.

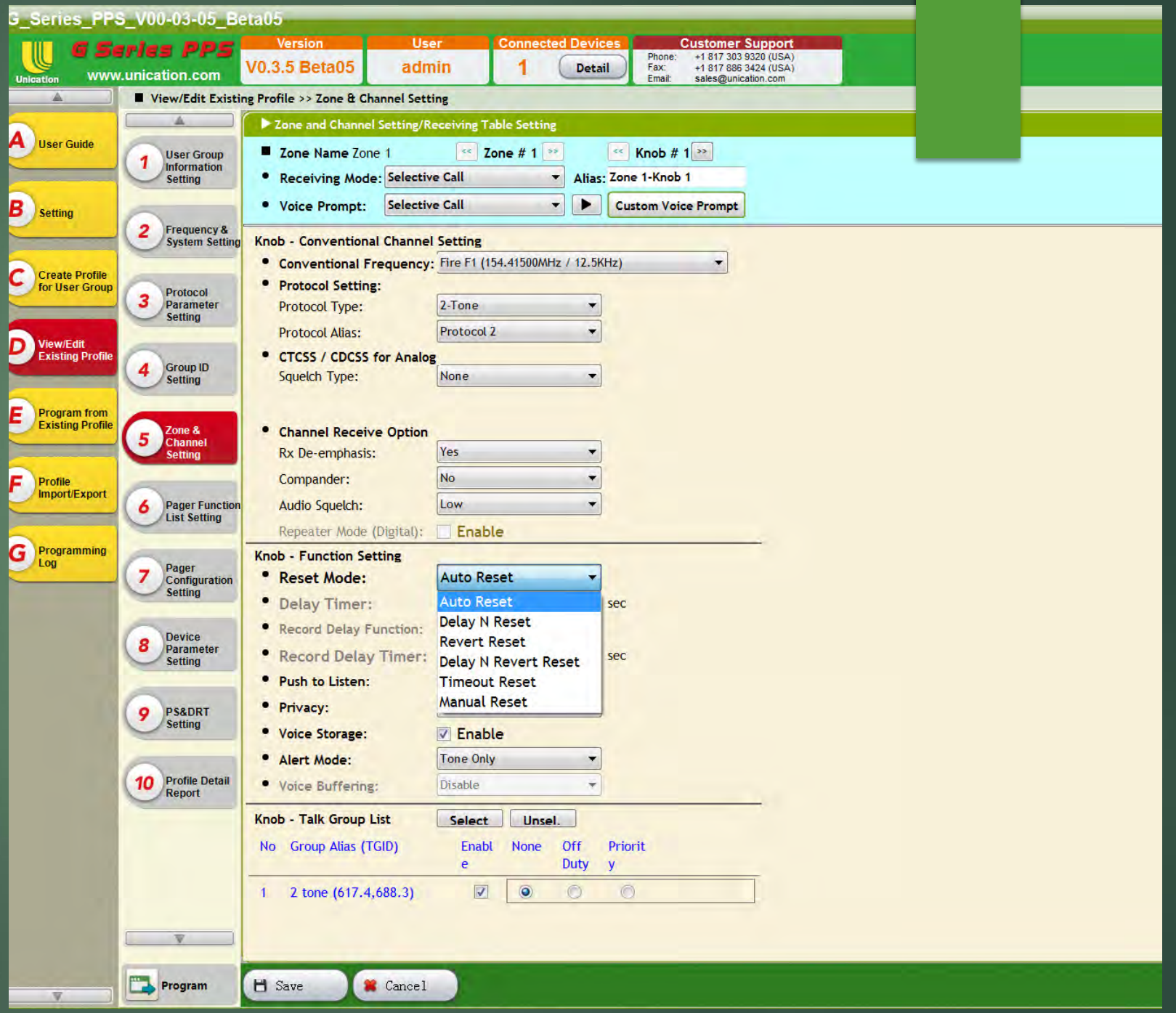
▶Trunking TG-Scan: Allows user to monitor a P25 Trunking system.

▶Free Scan: Allows user to scan through a set frequency range.



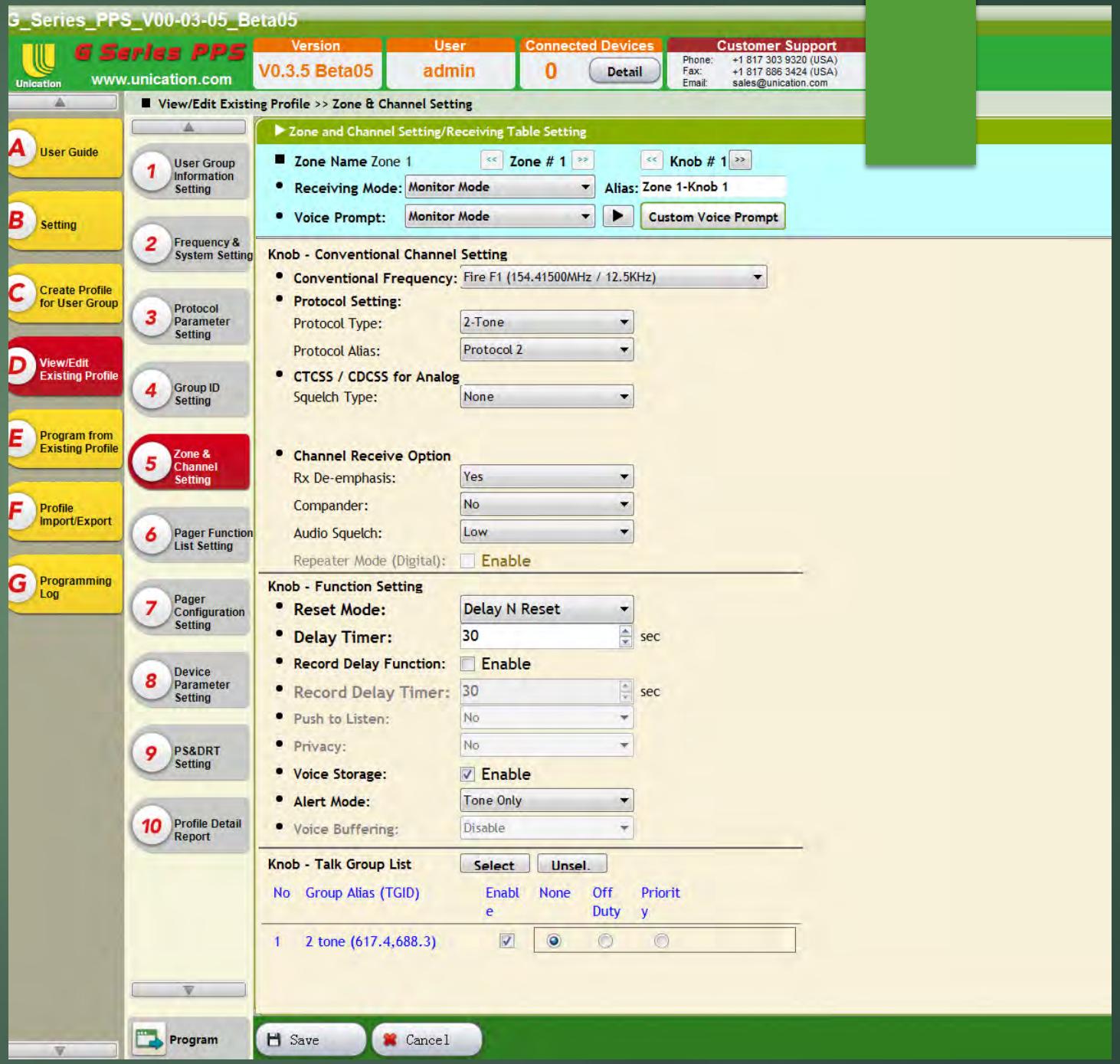
Selective Call: Reset Modes

- ▶Auto Reset: Unit will automatically reset to selective call once carrier drops.
- ▶Delay N Reset: Unit will reset to selective call after a set timer and the carrier drops.
- ▶Revert Reset: Automatically reverts to the monitor mode until reset button is pressed.
- ▶Delay N Revert Reset: Reverts to the monitor mode after a timer until reset button is pressed.
- ▶Timeout Reset: Unit will reset to selective call after a set timer whether the carrier drops or not.
- ▶Manual Reset: Unit will not reset unless reset button is pressed.



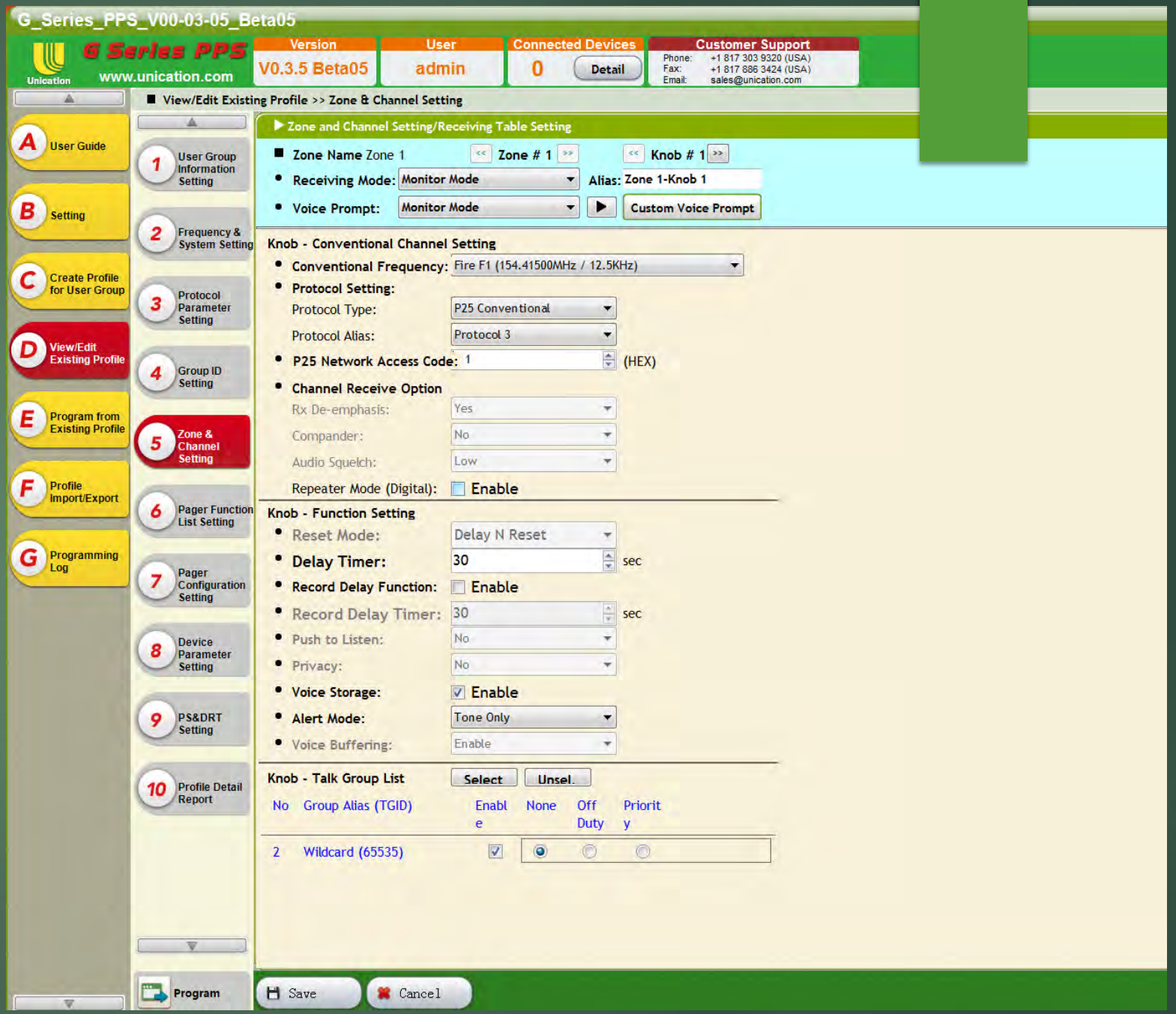
Setting up an Analog Knob Position

- ▶Select your Receiving Mode
- ▶Choose your Conventional Frequency
- ▶Select your protocol (2-Tone, CSQ)
- ▶Select CTCSS/CDCSS setting (TPL/DPL)
- ▶Select your reset mode
- ▶Select your alert mode
- ▶Enable your 2-Tone pair
- ▶Click Save



Setting up a P25C Knob Position

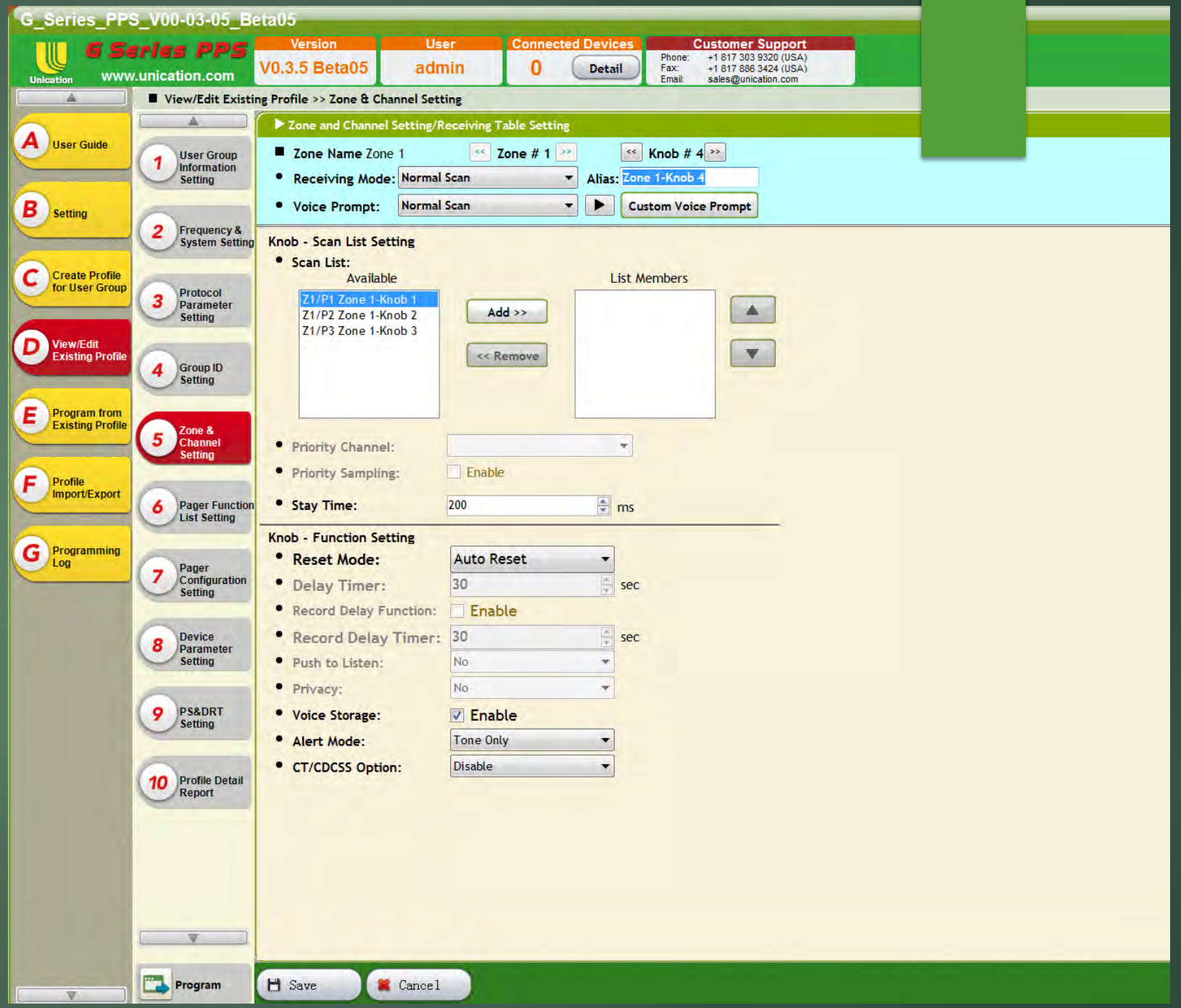
- ▶Choose your Frequency
- ▶Select Your P25C Protocol
- ▶Enter your P25C Network Access Code or NAC
- ▶Choose your Alert Mode
- ▶Select your P25C TGID in my case it is a wildcard.



Setting up a Normal/Priority/Silent Scan Knob Position

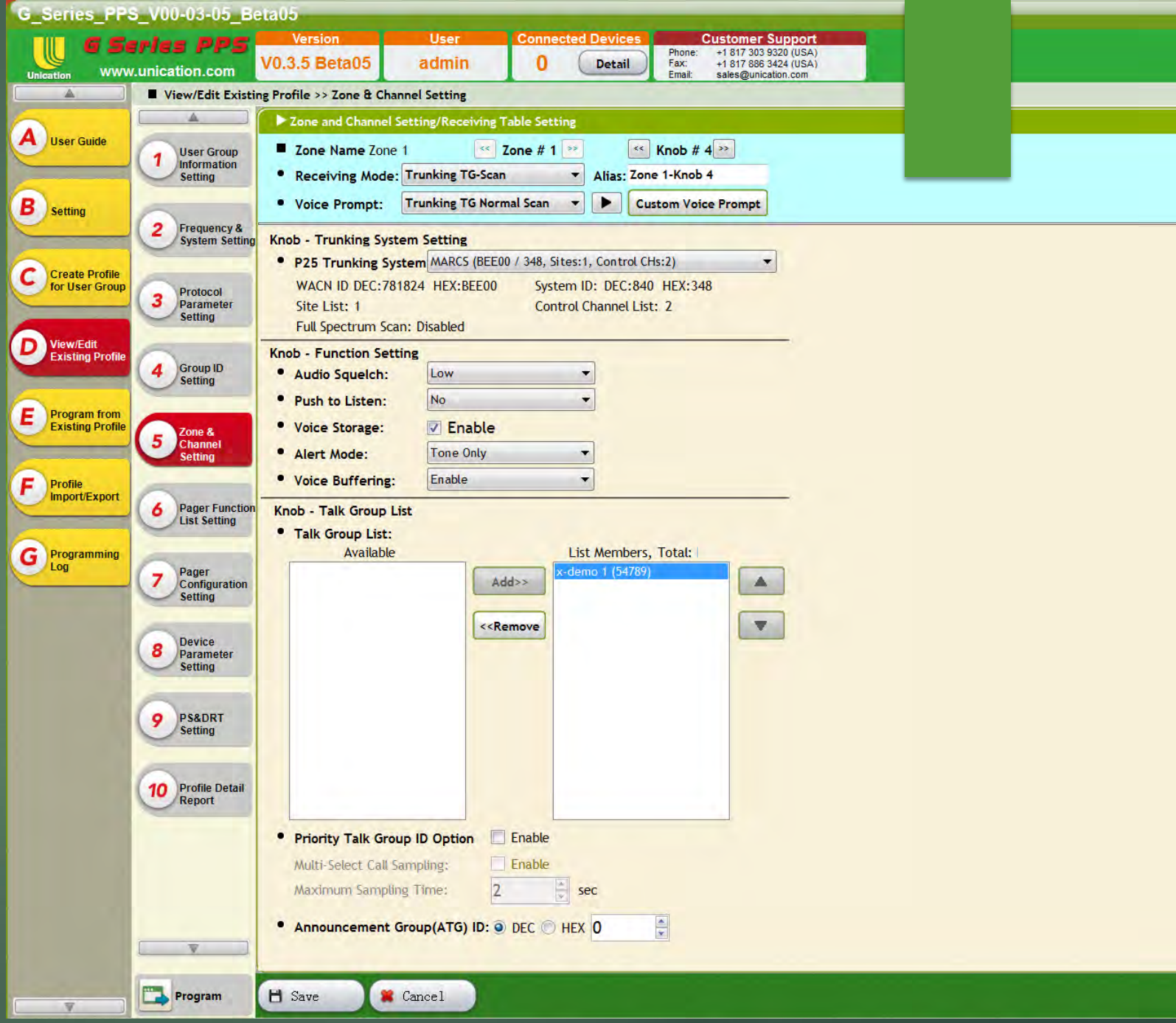
The G4/G5 does not scan frequencies it scans Knob positions therefore you must setup a Knob position for each frequency you wish to scan.

- Add knob positions to list
- Select Priority channel and priority sampling (if applicable)
- Enter desired stay time
- Select alert mode
- Enable CT/CDCSS to use PL during scan



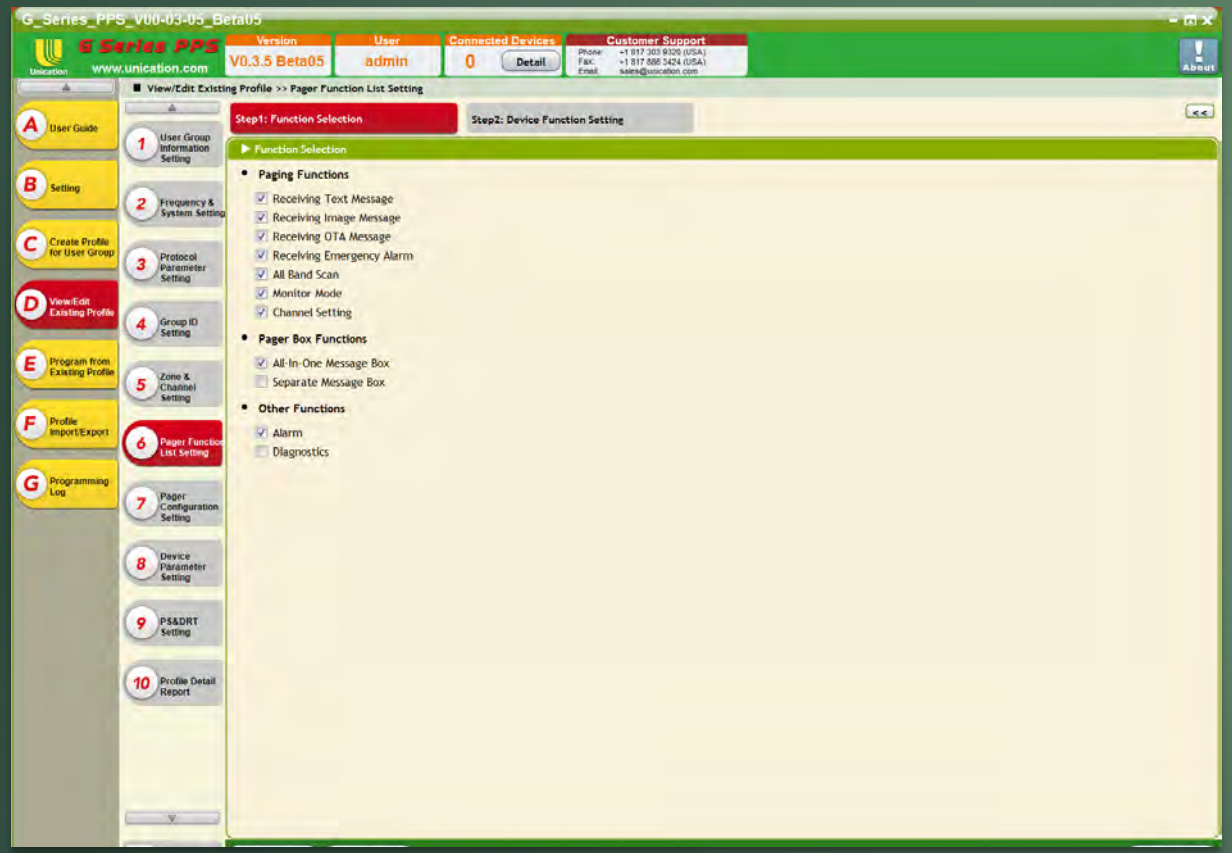
Setting up a Trunking TG-Scan Knob Position

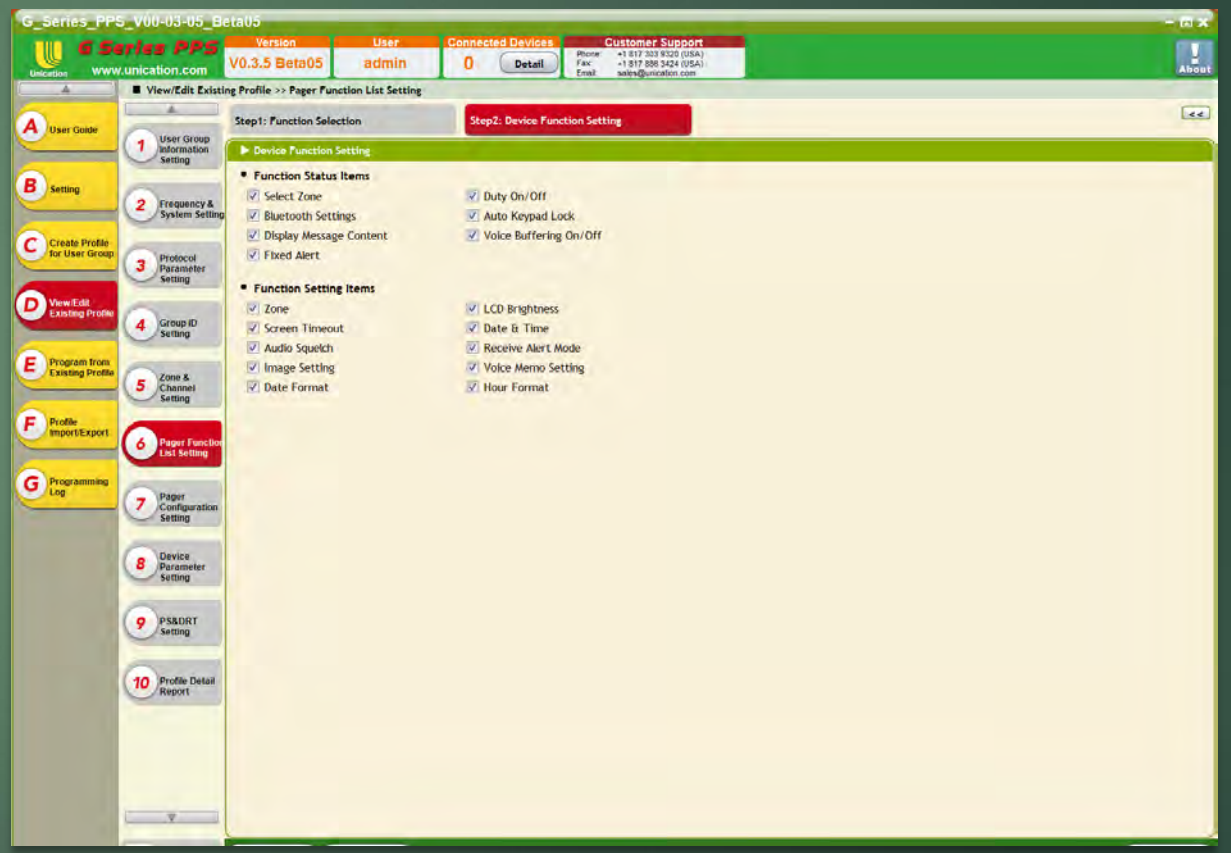
- ▶Select Trunking System
- ▶Configure Desired Function Settings
- ▶Add TGID's
- ▶Enable Priority (If supported by system)
- ▶Enable Multi-select Call Sampling (If supported by system)
- ▶Configure ATG (If desired)



Tab 6: Pager Function List Settings

- This tab allows you to edit what features are available in the menu of the G4/G5

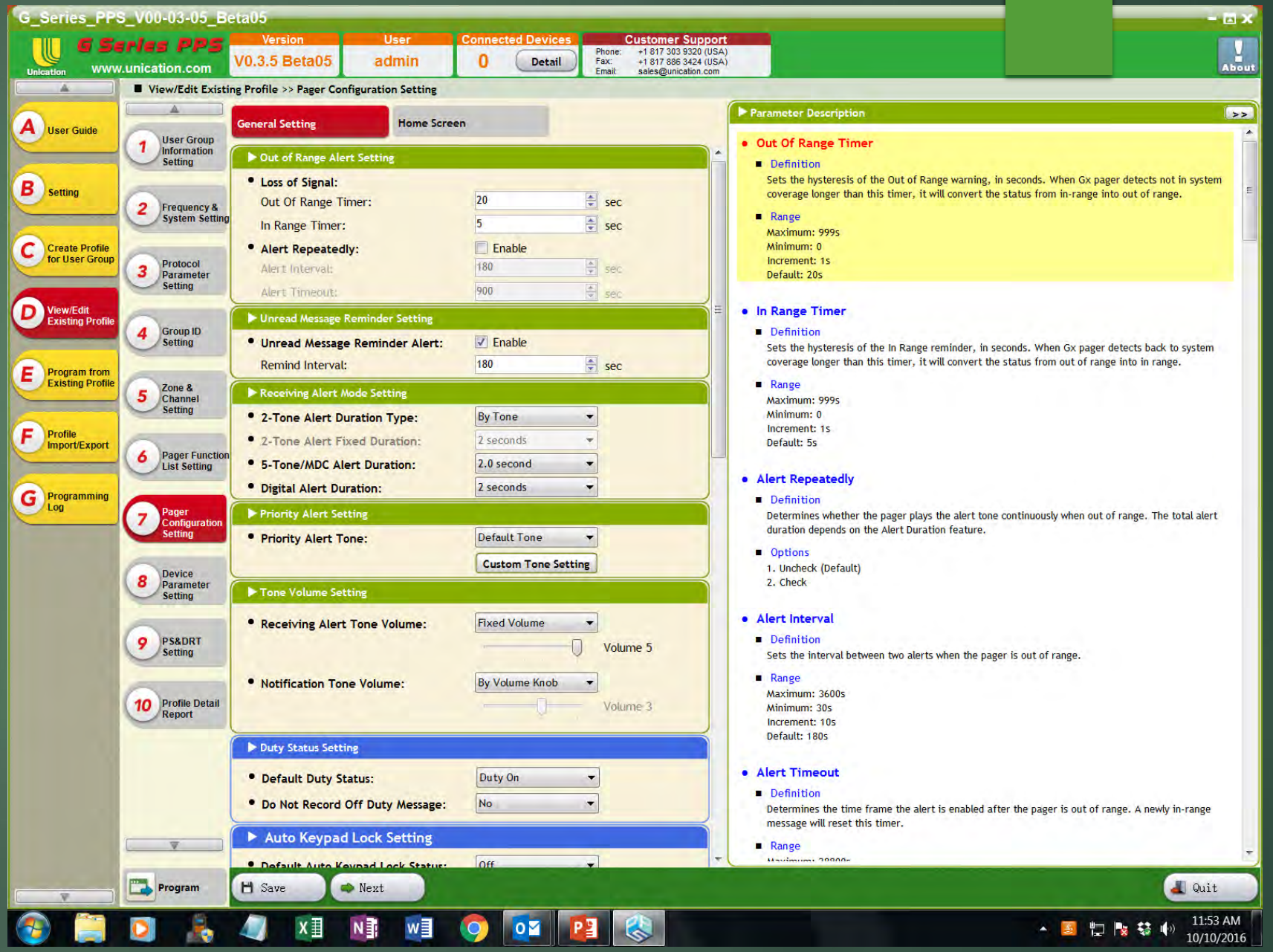




Tab 7: Pager Configuration Settings

▶This Tab contains all of the general settings for the unit. The Parameter Description Help Box contains valuable information about each setting by simply clicking in the name of each setting the PPS will automatically guide you to that section of the Parameter description.

▶The parameter description can be opened by pressing the << button or hidden by pressing the >> button.

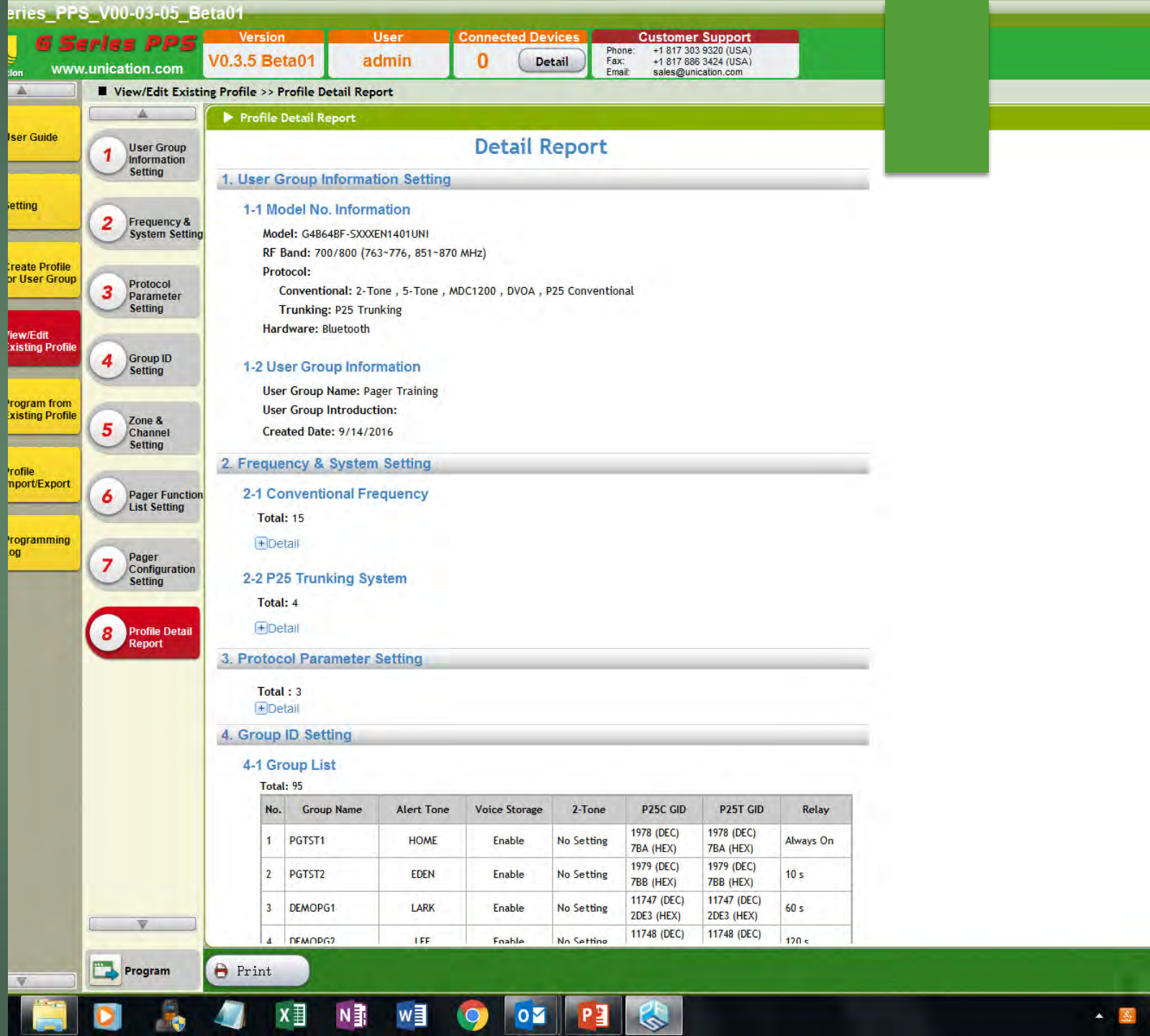


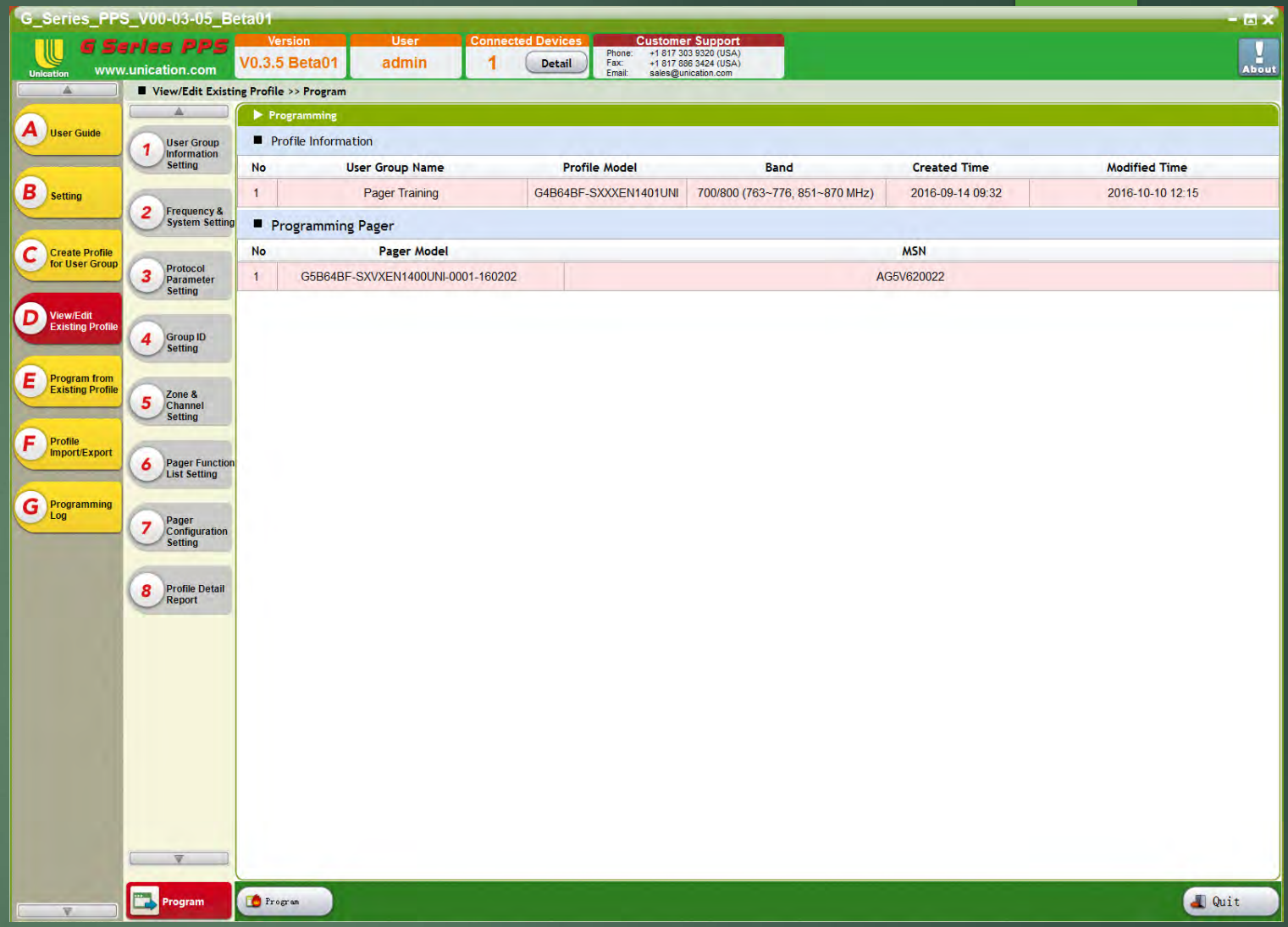
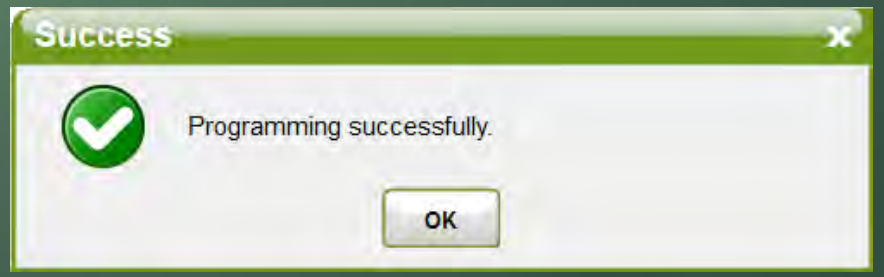
Tab 7: Home Screen

- In this sub tab it allows you to customize what is displayed on the screen for each receive mode
- It also allows for the customization and addition of Logo images and Titles.

Tab 8: Profile Detail Report

▶Performs the same function as Tab E Detail Button.



Programming The Unit

- To program Press the program tab and then the program button.
- When the unit is programmed you will be presented with the Programming Successful Prompt.