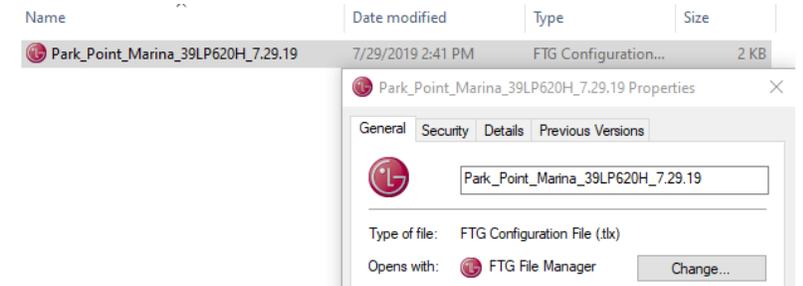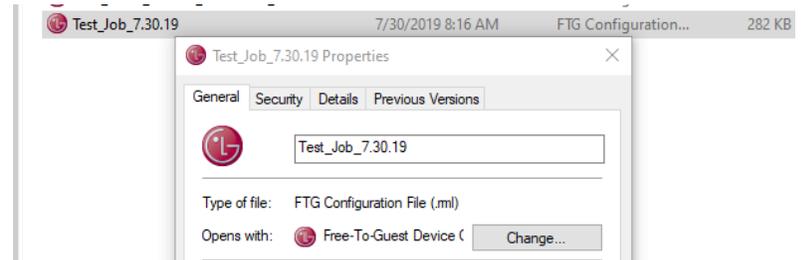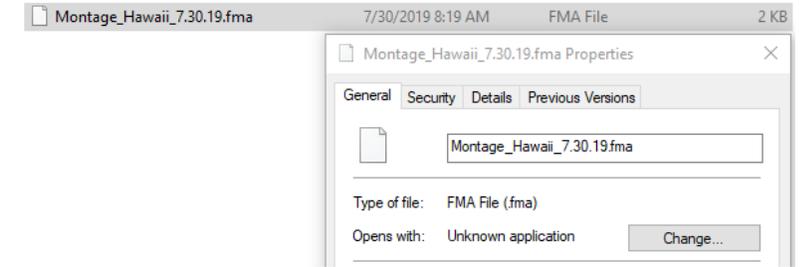# LG Channel Mapping

FTG, FTG File Manager, Pro:Centric cloud mapper

Map Types

Depending on which model TV you are working with you will need to create a map in a number of different ways. LG TV's can use a number of different file type depending on the TV.

- TLX

- FMA

- RML

Method of Mapping

- Depending on which file type and model of tv you are mapping you will need to use one of the following to map the TV.

- You can use a thumb drive depending on the map type and make of the TV

- Or you may need to use a TTL cable and a laptop to load the map.
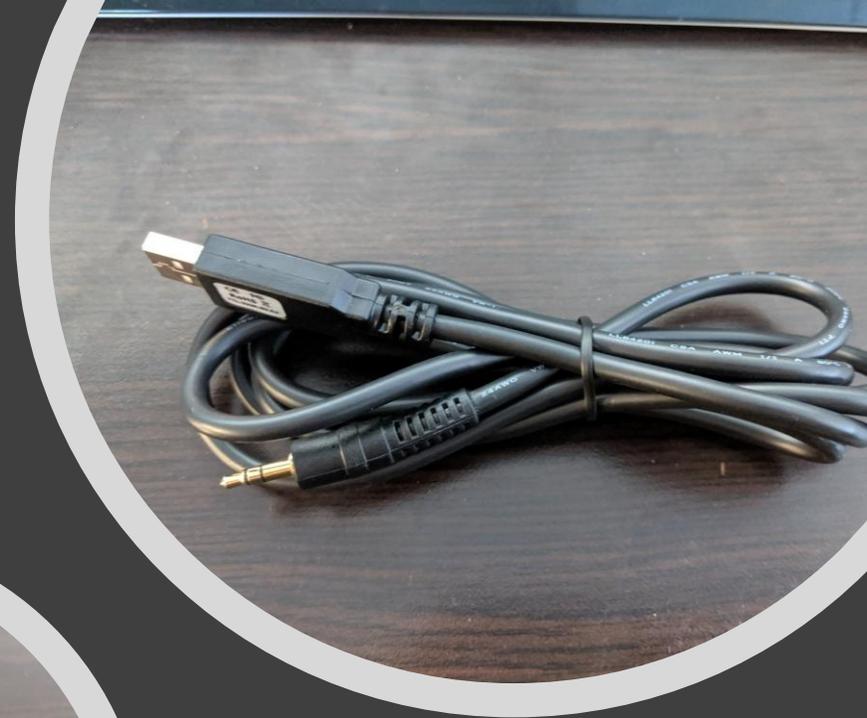
Retrieving a map

- If the property you are working on already has some TV's that are mapped but do not have a copy of the map you don't need to make a new one.

- You can simply retrieve a map from an already mapped TV.

- First place your thumb drive into the USB port on the TV

- Turn the TV on

- Press the menu button on the remote and highlight the lock symbol

- Repeatedly press 7 on the remote until the clone menu appears

- Press 9,8,7,6 on the remote and additional options should appear

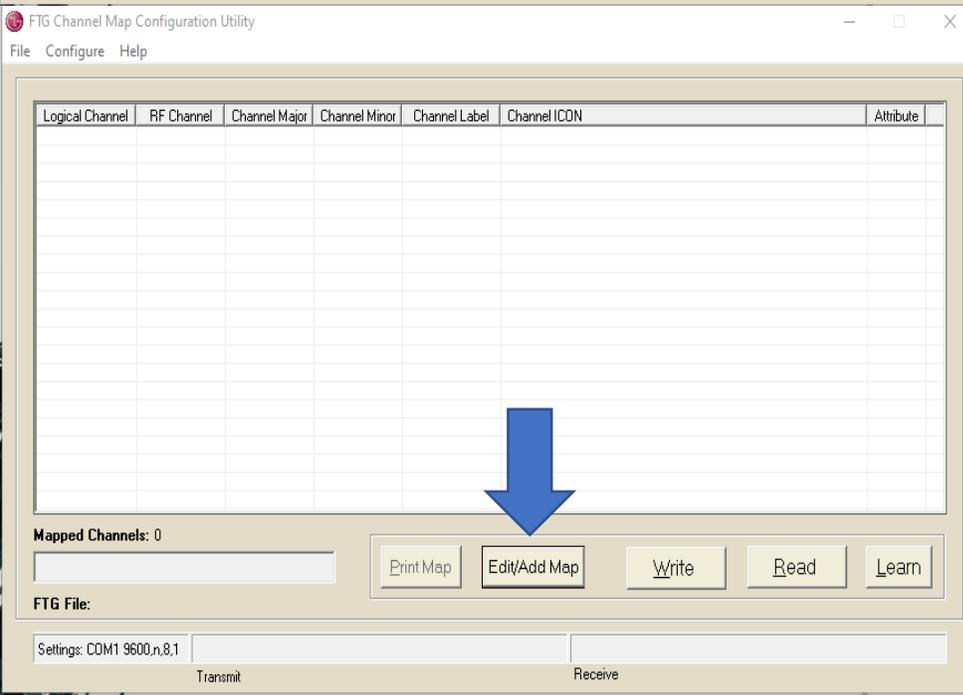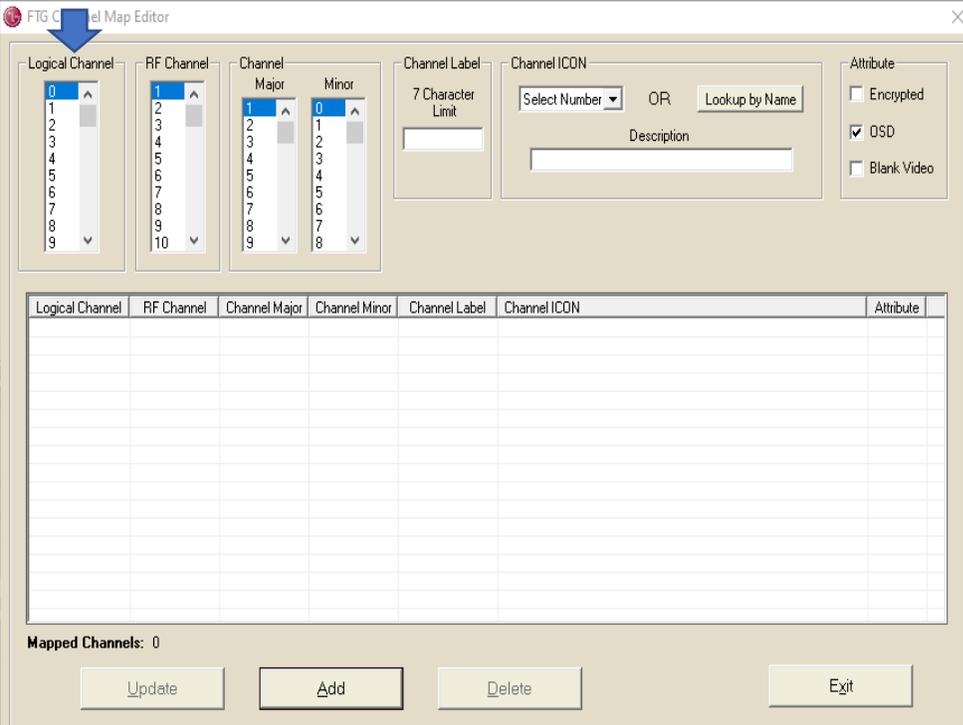- Select export from TV and the TV will export the map to your thumb drive
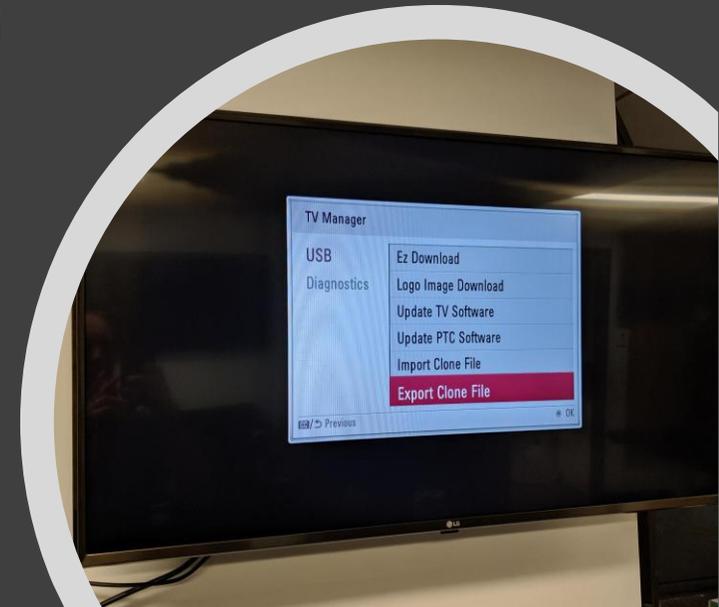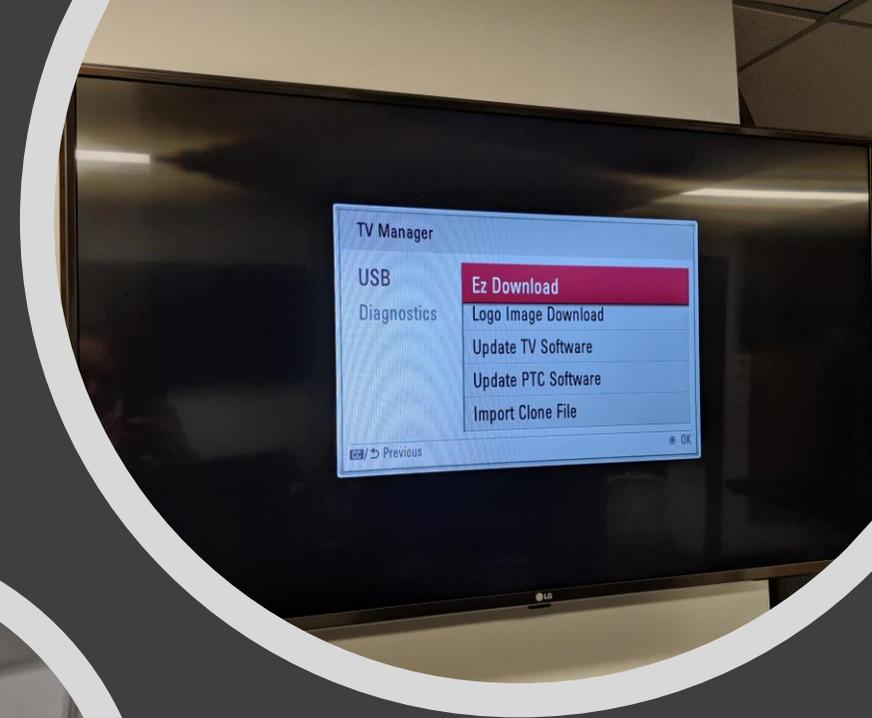
Reading the TV

With the Read button you can pull the channel map that is on the TV so that it can be edited.

Using the Learn button you can pull both the TV's channel map and the Installer menu items that have been edited on the TV.
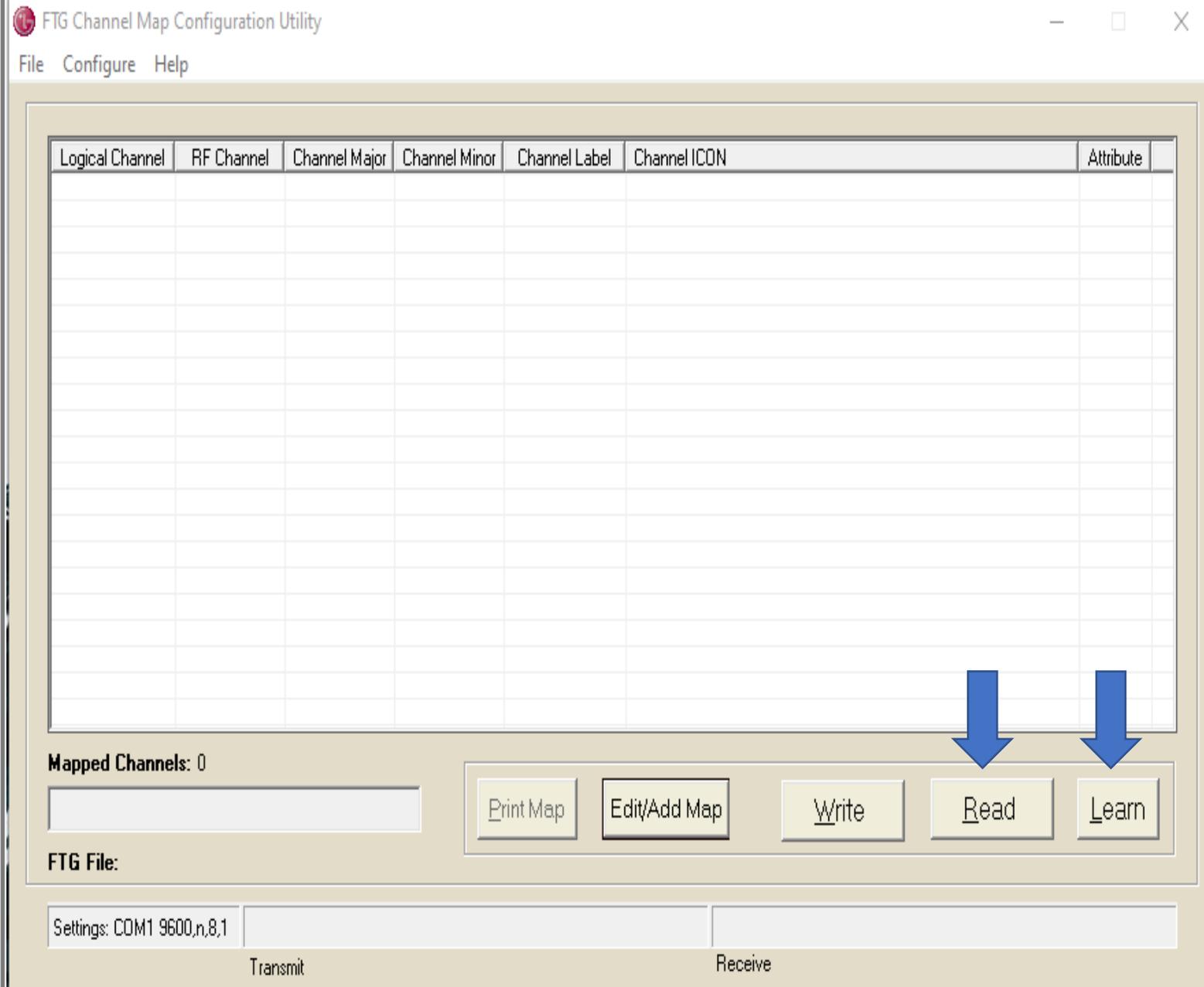
Creating a New FMA Map

- If you need to create a new map and are using the FMA file type start by opening the LG FTG program.

- Once the program is opened you will be able to select Edit/Add map and create your FMA channel map.

- Inside the channel editor you will be able to create the map to the properties specifications.

- Setting the Logical Channel will set the channel number that shows on the TV. The channels may exist on 30 or higher but the TV will show the Logical allowing for the channels to start at 0 and go up.

FMA Map Cont.

- When creating a map you will need to make the RF Channel and the Channel Major match. For example if your mapping a TV to a Com you will most likely have 3 channels on 30 such as 30.1, 30.2, and 30.3. In the LG FTG program each of these will have a RF Channel and Channel Major of 30 and the only difference will be the Channel Minor.

- You will also need to enter a Channel Label

- You can also click the Lookup by Name button in the Channel Icon section and select an icon for the channel. Not all channels have an icon. In this event simply don't add one.

- If you are dealing with encrypted channels you will need to make sure that the Encrypted check box has been selected under the Attribute section or the TV will no decrypt the channel. When you add the channel you will know that the channel has bee set to encrypted by the E in the Attribute column of your channel map.

- Making sure that you are putting the channels in the order that the property wants them you can continue to add channels.

- You do not have to go in order of frequency but can place channels as desired regardless of where they exist

- There is a problem with my map. Can you see it?

Correcting your map

- If you make a mistake you can simply correct it.

- Highlight the channel that needs to be corrected

- Correct the information

- Click Update to change the desired information.

- Once you are done editing or creating the map click the Exit button.

FMA Configuration
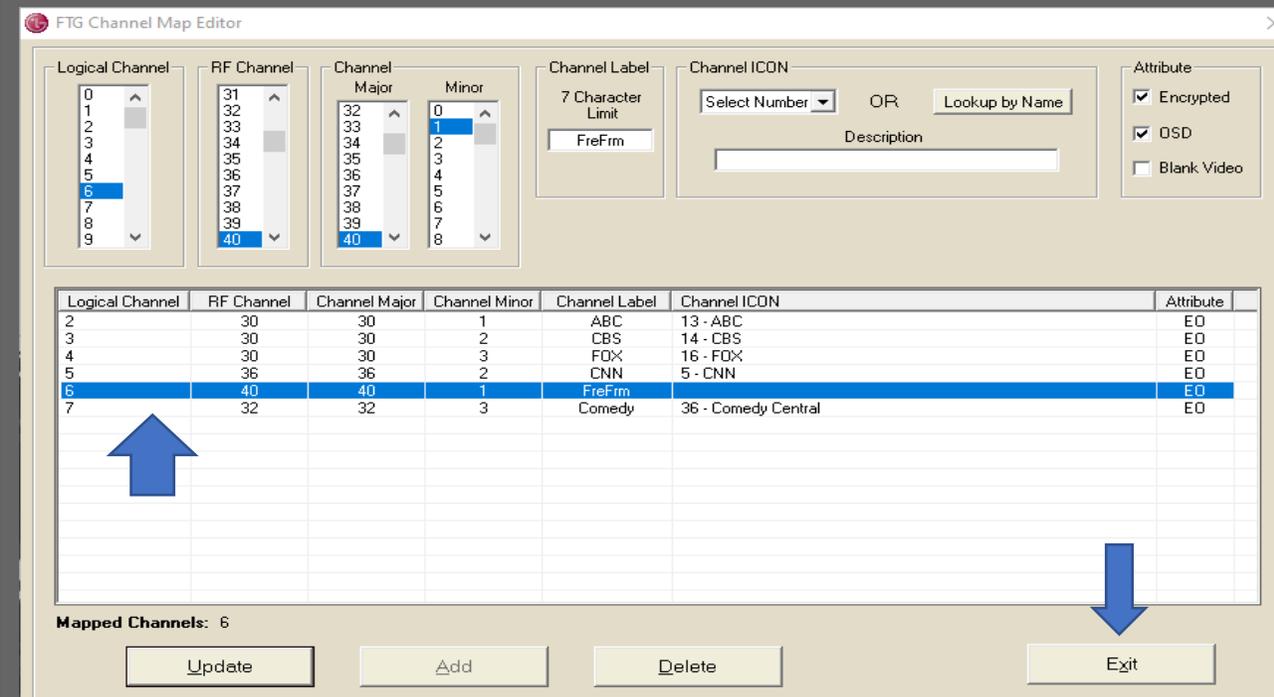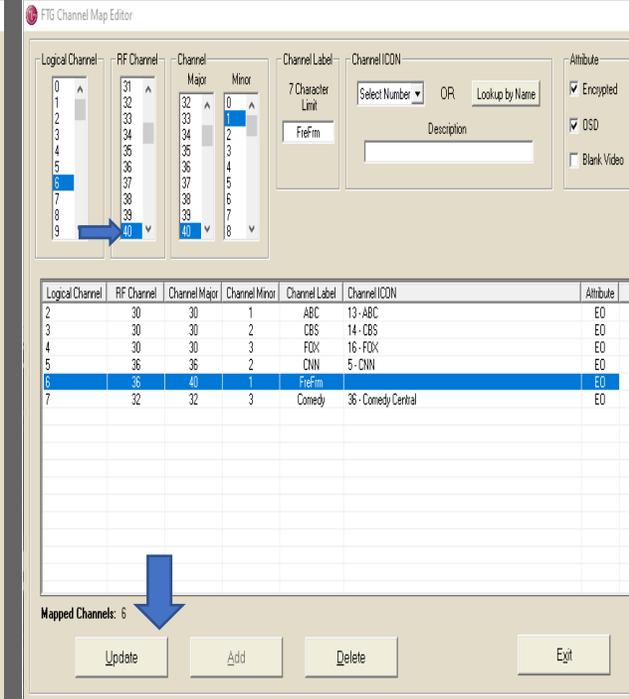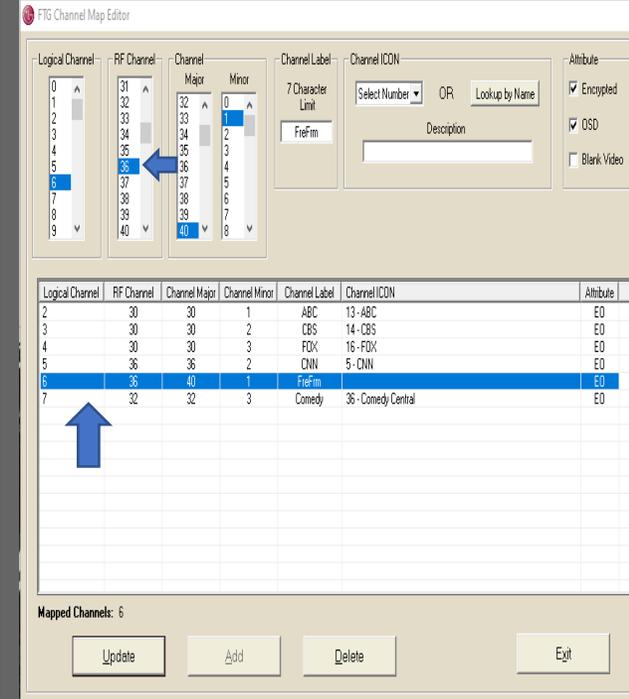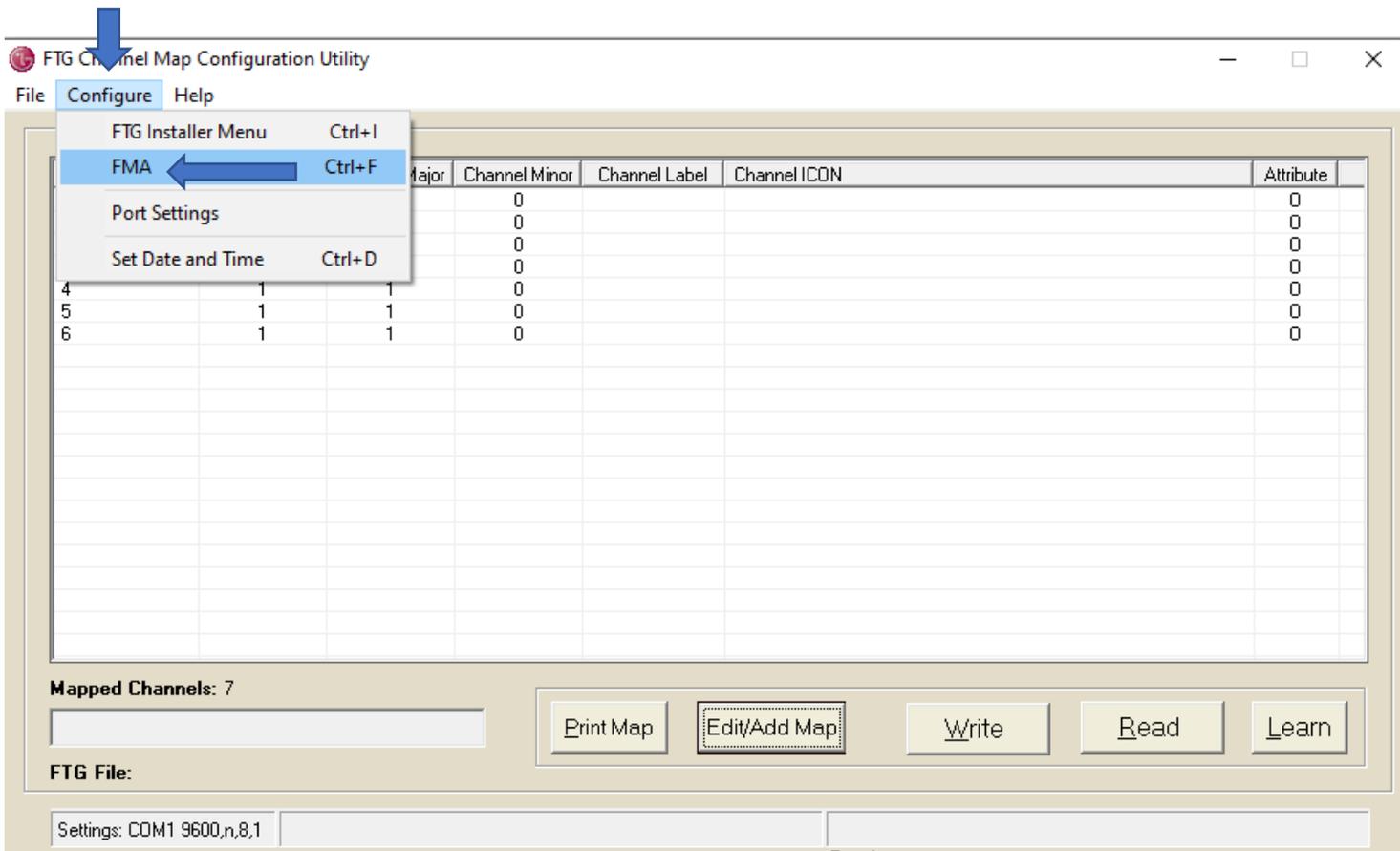
- Often times a property will want the TV's to start on a specific channel or have a maximum volume or other settings in the TV. In order to do this you will need to navigate to the FMA part of the program. Click on configure and select the FMA option.

FMA Screen

- From the FMA screen you will need to click on the Chassis drop down window and from here select the model of TV you are working with.

- Once you have selected the model of the TV you will be working with click the Load button to load the chassis into the program.

- Once you have Selected load the chassis selected will appear above.

- You will need to create a new map for each model of TV that you need to map. You can import the channel list so that you will only need to select and change the installer setting for each model type instead of needing to re-create the map as well.
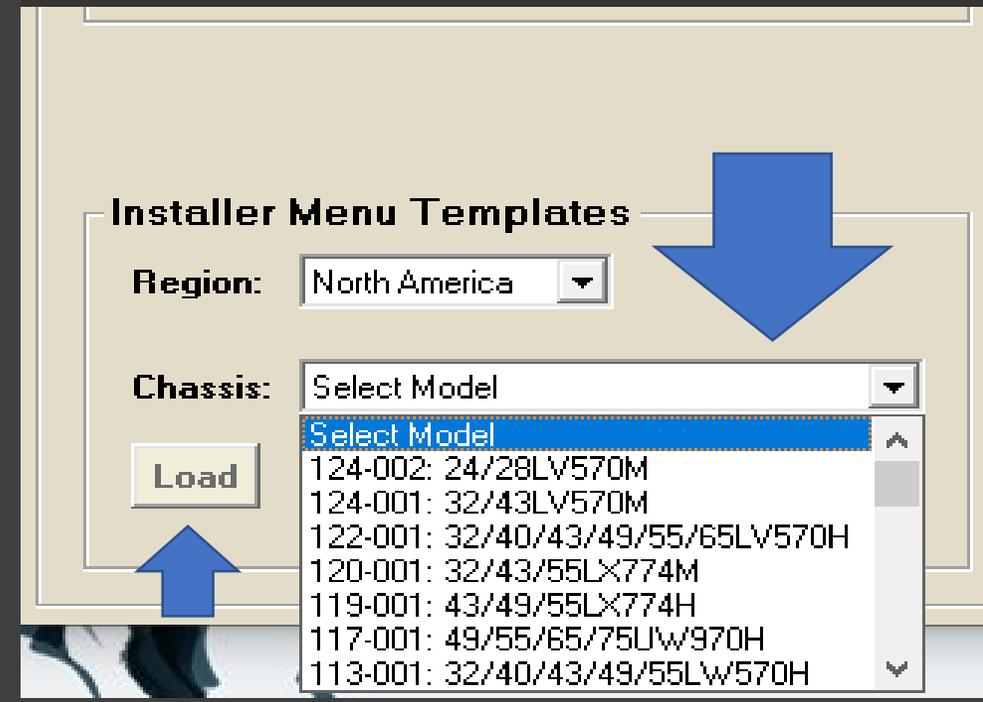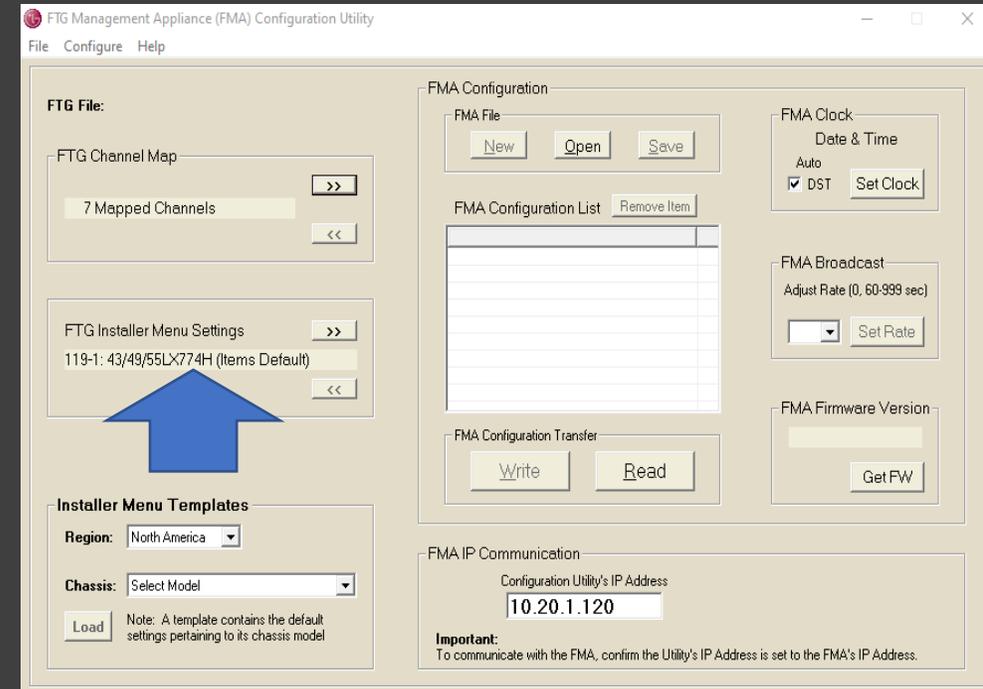
Discovering the TTL Cable Com Port

- In order to properly connect to the TV and write the maps to the TV using the TTL cable you will need to first establish which COM port your computer has assigned to the TTL cable.

- You will need to open the device manager on your laptop after plugging the USB side of the cable in. You can navigate to the Device Manager by searching for it in the windows start bar.

- You will then expand the Ports section and should see the cable as a USB Serial Port. At the end you will see which COM port it has been assigned. In this example it has been assigned COM4 indicating that its using COM port 4
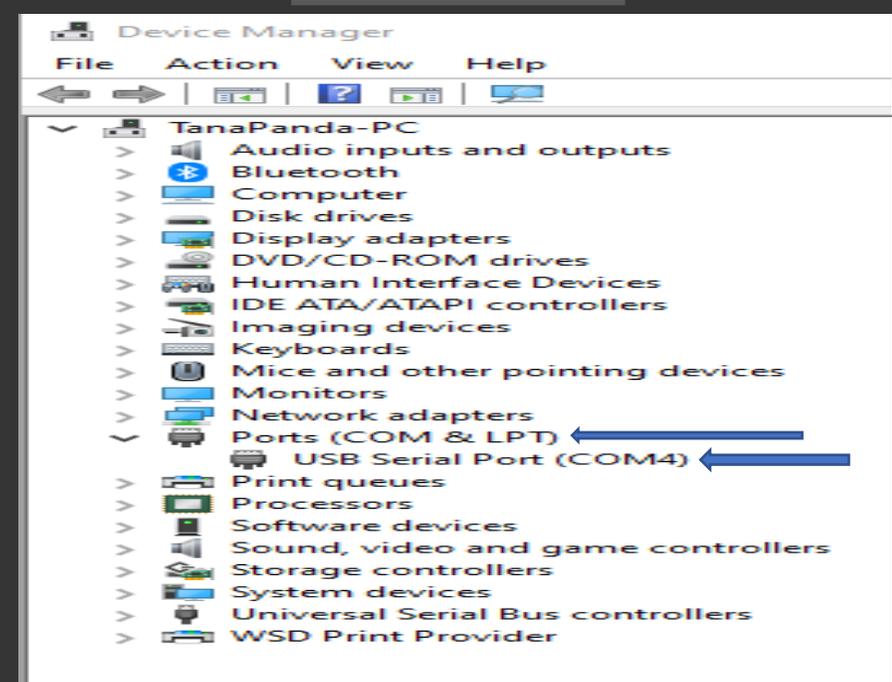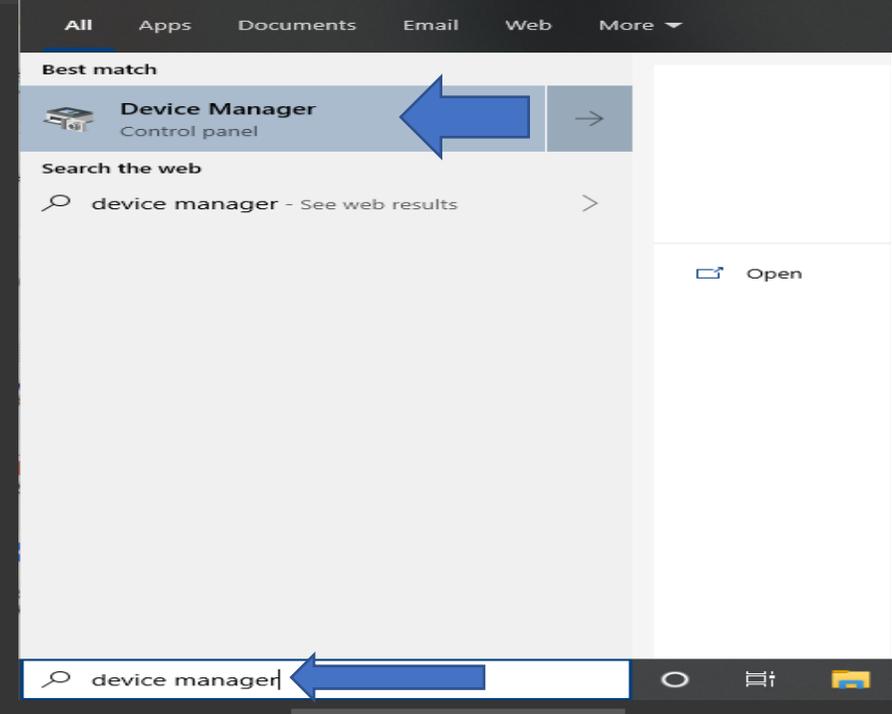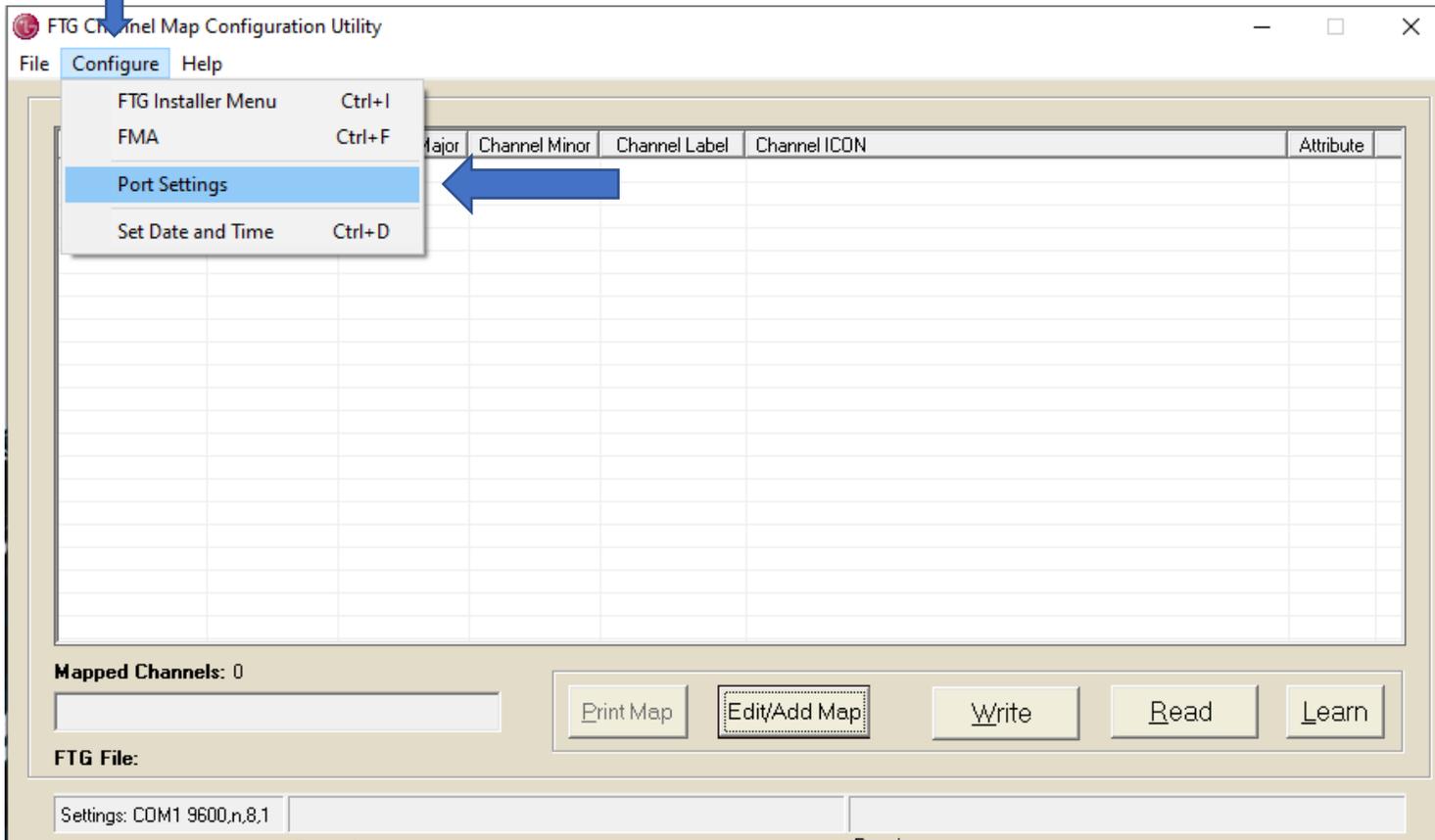
- In order to write a map to the TV using the TTL cable you will need to set the software to the correct port.

- To do this click on the Configure option at the top and then select Port Settings

Setting the COM Port

Communication Port Properties

- Once the new menu opens you will need to click on the drop down window next to Port and select the Com port that the laptop has assigned the TTL cable.

- Leave the rest of the settings at their default and click ok

Connecting to the TV

When you are ready to connect to the TV you will plug the TTL cable into the blue TV-LINK CFG port once you are connected there is no need to navigate to an special menus.

Writing to the TV

Once you have the map created you can write the created map to the TV by clicking the Write button at the bottom.

Using the FTG File Manager

If the TV is able to be mapped using a .TLX file you will need to use either the FTG File Manager or the Pro:Centric Cloud website to create a map. We will be going over the FTG File Manager next.

FTG File Manager Home Screen

- Open the FTG File Manager and we can begin creating the map.

- From the home screen we have a couple of options.

- If you are not going to be changing installer menu items at all then you can create a basic map that will work on all LG TV's that accept this type of map.

- If you are changing installer menu items then each map with need to be specific to the TV that you are mapping.

Creating a Map

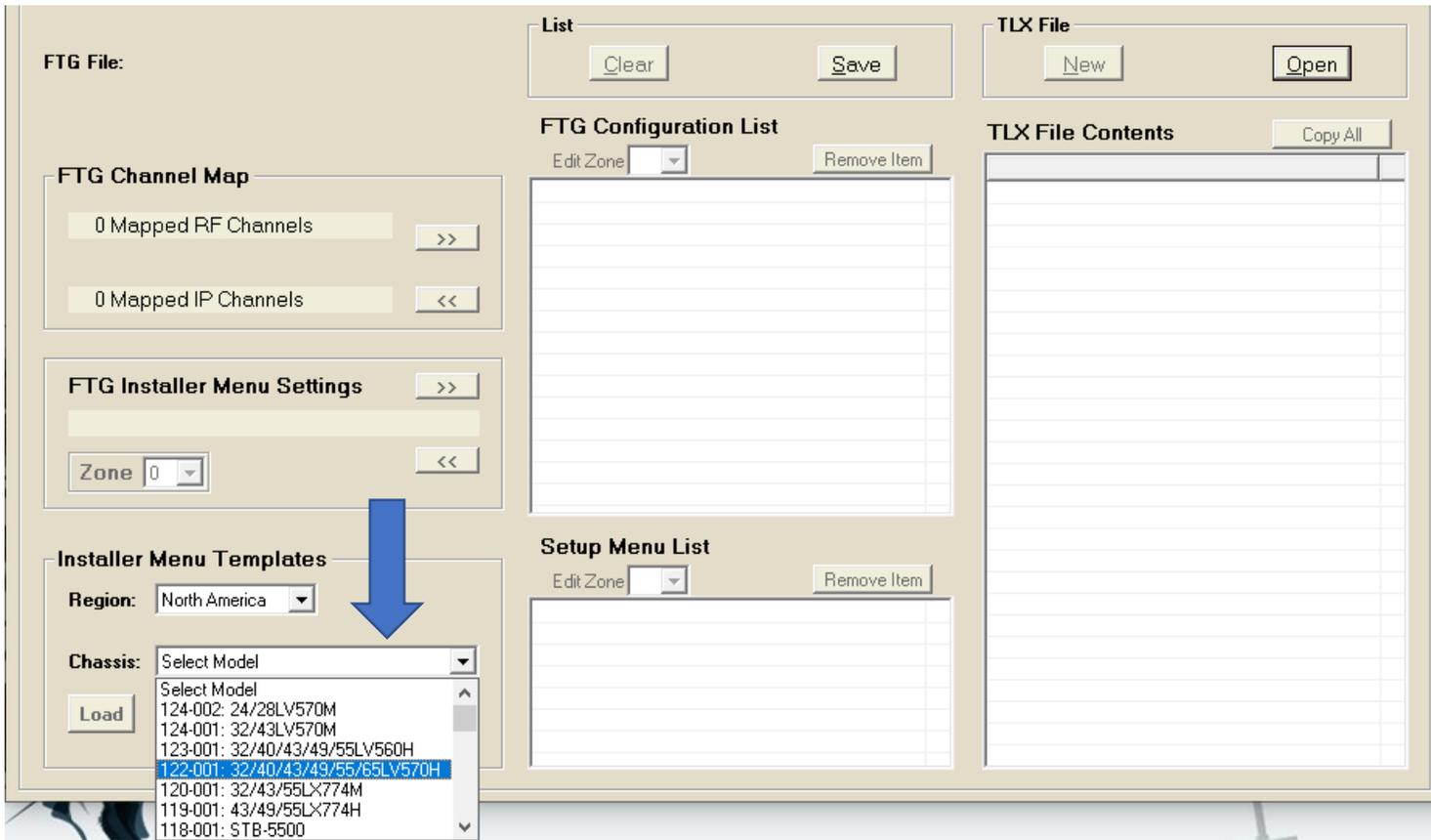From the home page click on the Configure menu at the top and then select FTG Channel Map

FTG Channel Map Configuration Utility

- Once you are on the Channel map page you will need to select which kind of map you are creating.

- For RF you can stay on the default page.

- For IP you will need to click on the IP Channel Map tab at the top.

- Once you are on the type of map you wish to create click on the Edit/Add Map button at the bottom.

FTG Channel Map Editor

- Once you have selected the type of map you wish to create and clicked the Edit/Add Map button we can begin creating our map.

- When creating a map you will need to make sure that you have spoken with the property and build it the way they want it to prevent the need to re-make it.

- From the Editor we can set which number the channel will show as on the TV as well as an icon and label.

Creating a Map

Using the Editor we will need to set the following things to create a map.

- Logical Channel: This will determine the number that the channel appears on the TV.

- RF Channel: This is the RF frequency in which the channel actually exists

- Channel Major: This is the major RF frequency in which the channel exists. This needs to match the RF channel and vice versa

- Channel Minor: This is the subchannel in which the channel exists example: 30.1 – 30 is the channels major and .1 is the subchannel or minor.

- Channel Label: This is the channel name that will appear on the TV

- Channel Icon: This is the icon that will show on the TV when tuned to. Not all channels have an icon

- Attribute: This is where you can specify if a channel is encrypted and it is required that the encrypted box be checked in order for a TV to show Pro:Idiom channels.

- Zone Restriction: This is where you can set zones for the channels which would allow you to omit certain channels from particular zones.

- Once you have created your map click the Exit button on the bottom right to either save or create installer menu changes.

Installer Menu Templates

- In order to change installer menu items you will need to load the specific channel model you are working with. If the property has multiple models then you will need to create a map for each TV model if you are changing installer menu items.

- To select the model you are working with click the drop down window next to Chassis and find the TV model you are mapping.
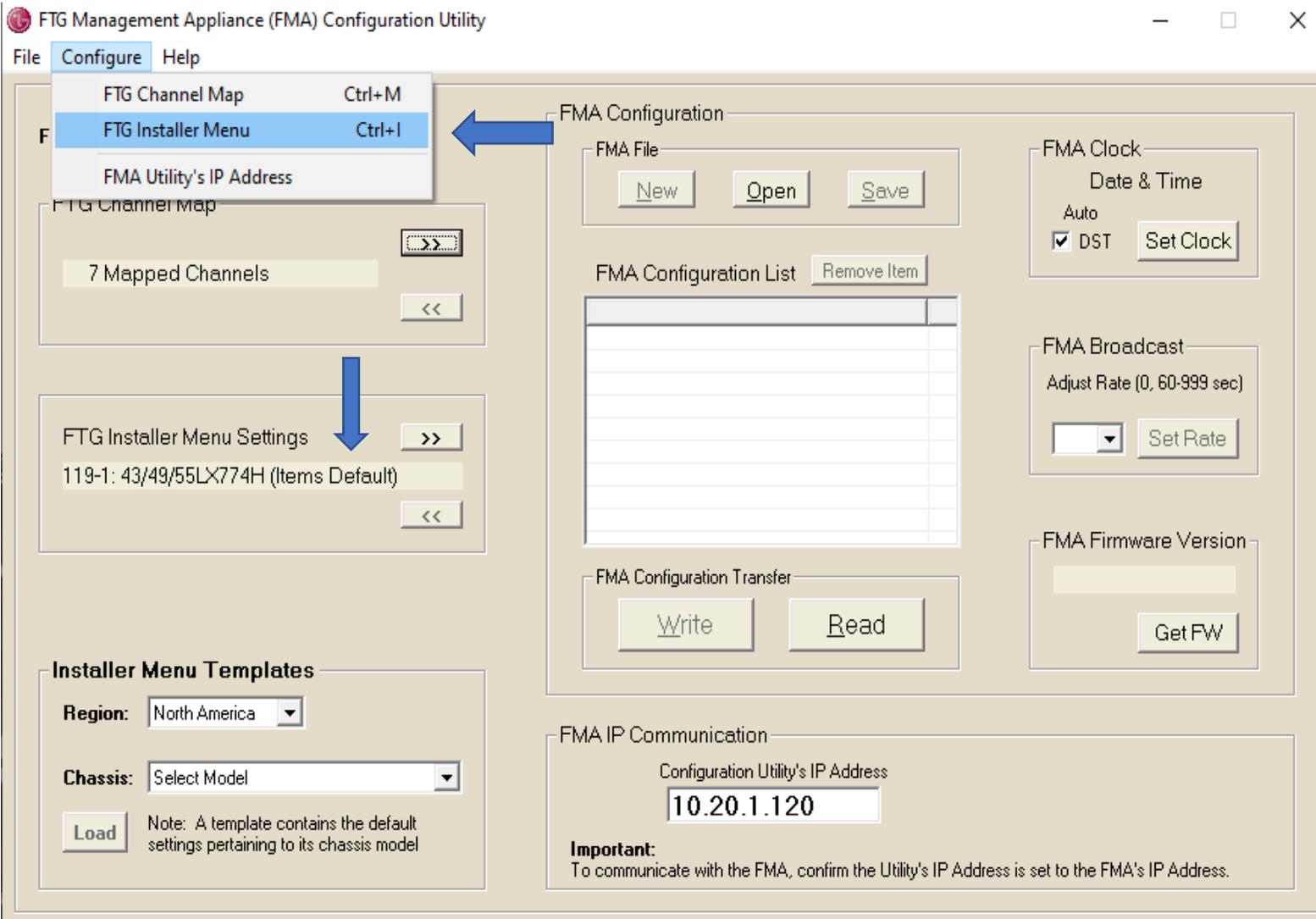
Loading a Chassis

- Once you have found the model you are working on select it and then click on the Load button to load it into the system.

- Once you have the chassis loaded it will appear below FTG Installer Menu Settings box.

- From here you can click on the configure drop down at the top and select FTG Installer Menu.

FTG Installer Menu Configuration Utility

- From the installer menu you can control many aspect of the TV such as start channel, max volume, sleep timer, Pro:Centric mode as well as many others.

- You can quickly navigate to each setting by clicking on the item you wish to control in the Index.

- You can also navigate to each field by using the Tabs at the top

Changes Made

- On the main screen if any setting has been changed from its default it will be shown in red allowing you to quickly identify any changes that have been made.
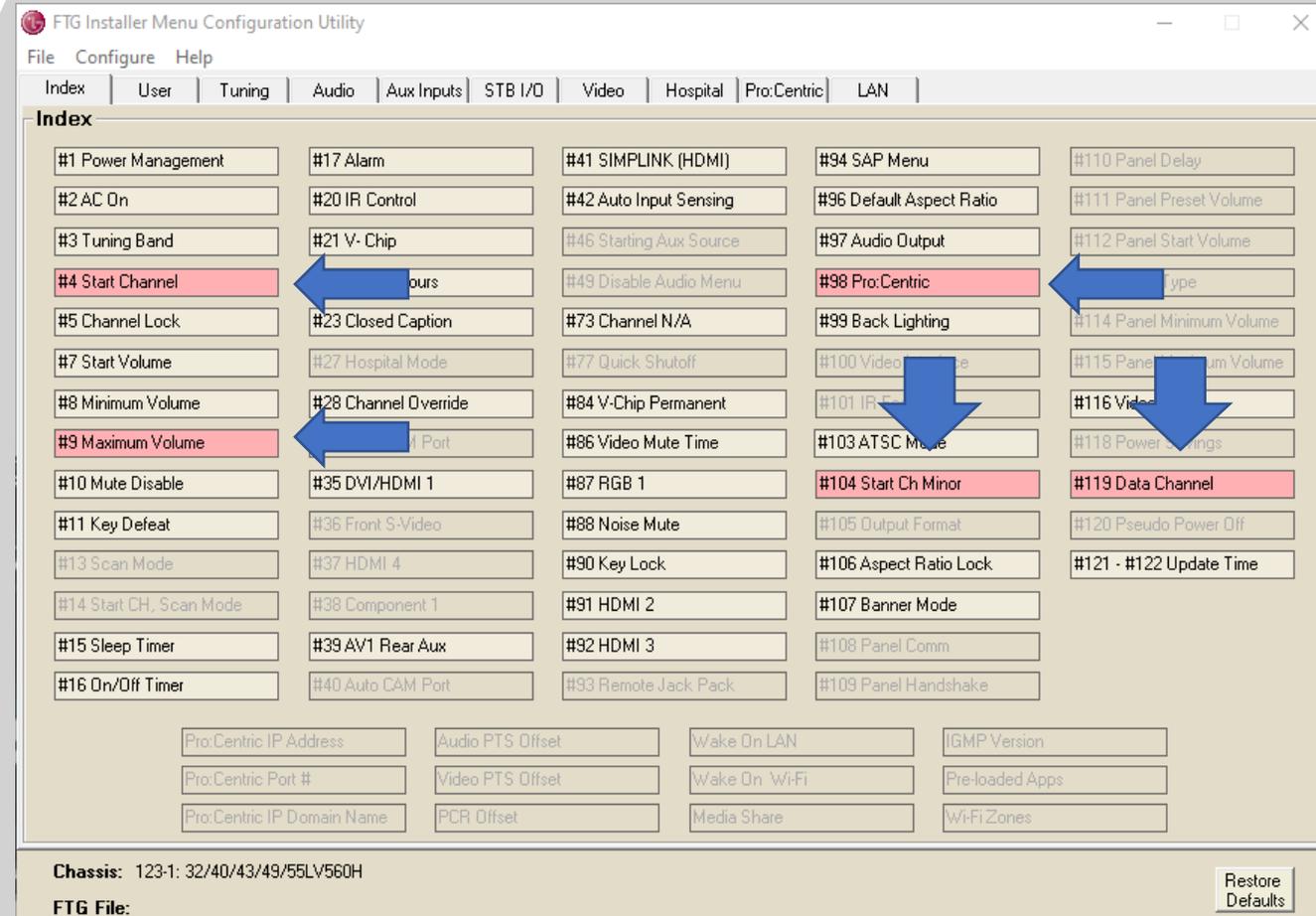
Changes Made Cont.

Likewise if you navigate to a specific page any item that has changed from its default will have a red dot next to it indicating that it is not on its default.
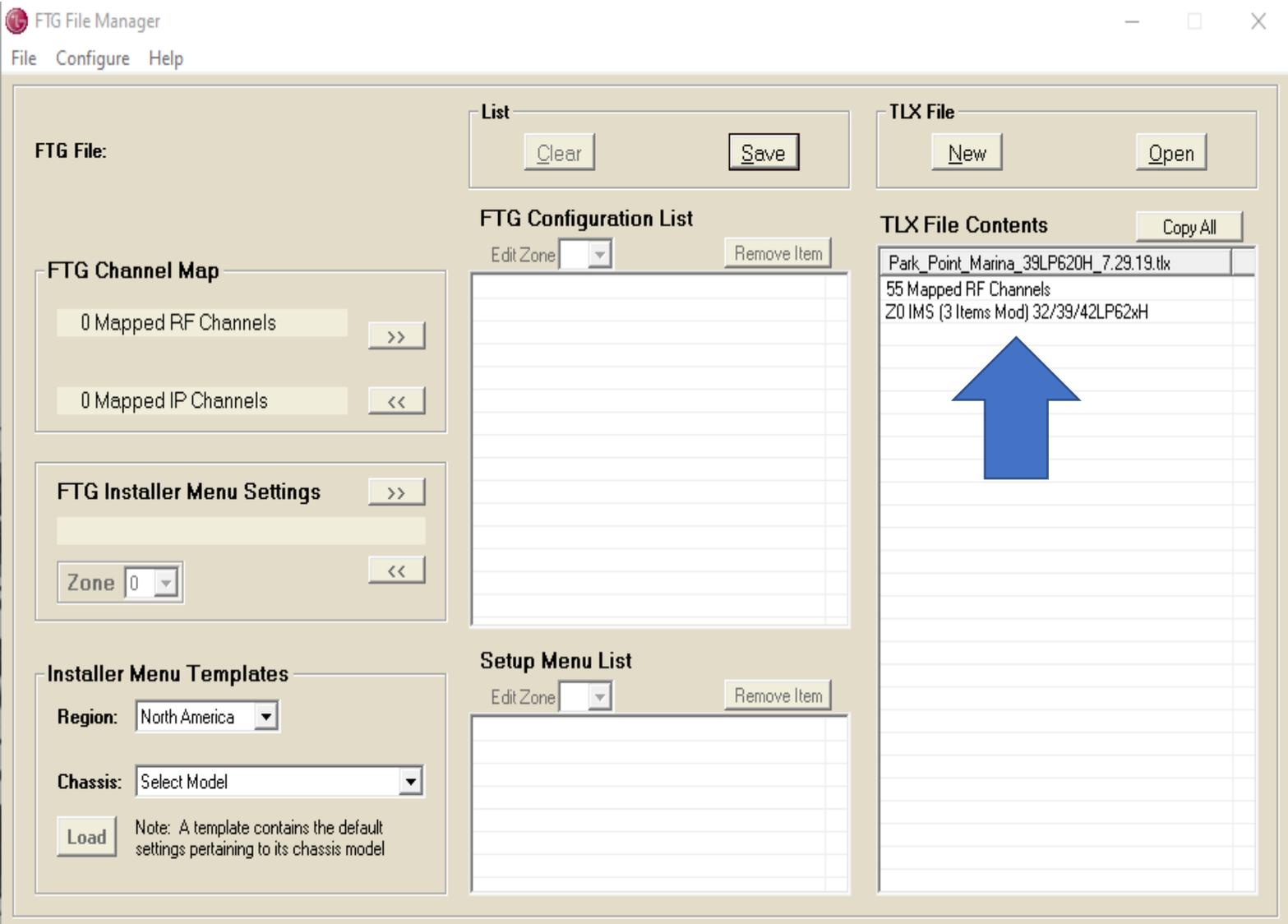
Finished with Installer Menu

- Once you have finished changing all the installer menu that the property would like click the configure drop down at the top and then select FTG File Manager to return to the main screen.

- Once back your Chassis should reflect how many installer menu items that have been changed.

Once you have created your channel as well as set any installer menu items you will need to load them into the FTG Configuration List to be saved.

• You can accomplish this by clicking on the arrow button in each field that points to the FTG Configuration List

• After you click the arrows your changes will appear in the FTG Configuration List

Saving Your Map
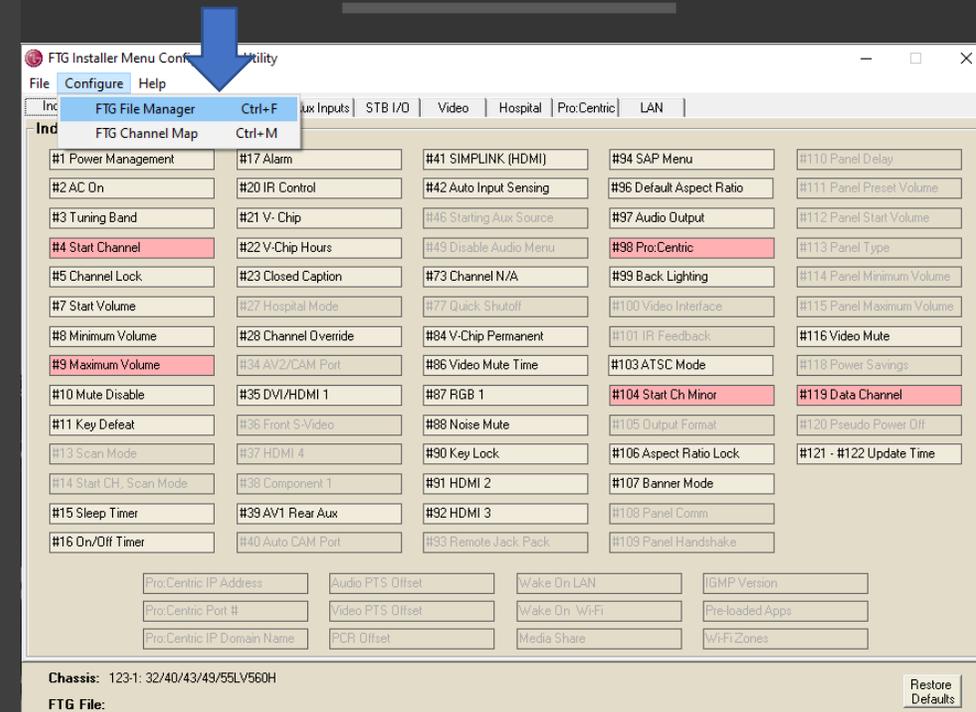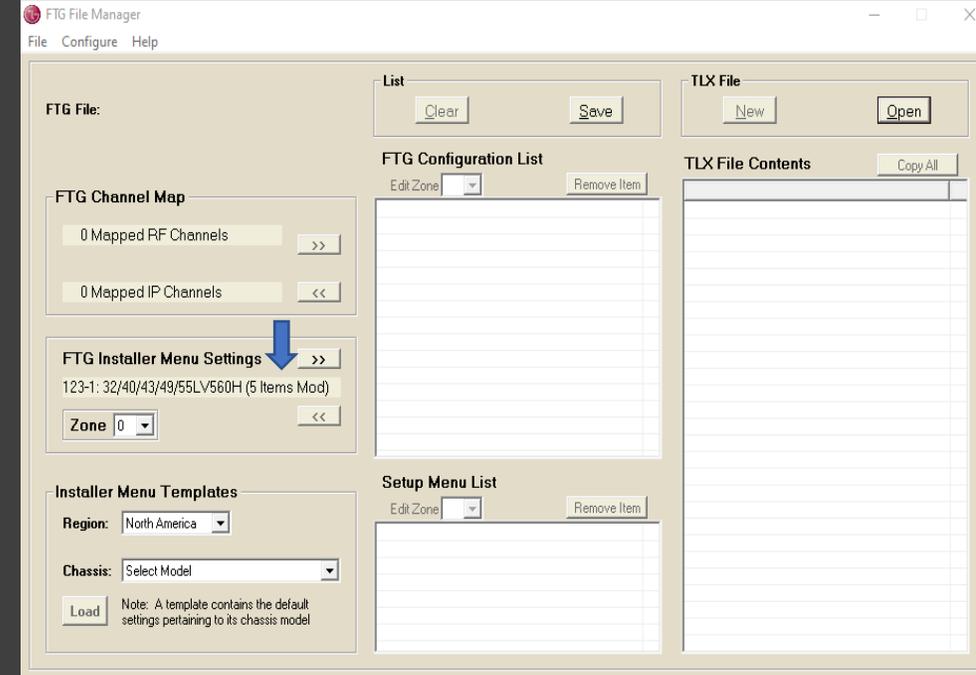
Loading a Map to be Changed

- If you need to open a map to make changes first you can open the map inside the program.

- Once the map is loaded you will be able to see how man channels there are as well as how many installer menu items have been changed.

- You will need to load it further in order to make any changes

Importing the File

FTG File:

Clear   Save

TLX File

New   Open

FTG Channel Map

0 Mapped RF Channels   >>

0 Mapped RF Channels   <<

FTG Installer Menu Settings   >>

FTG Configuration List

Edit Zone [▼]   Remove Item

55 Mapped RF Channels
Z0 IMS (3 Items Mod) 32/39/42LP62xH

TLX File Contents   Copy All

Park_Point_Marina_39LP620H_7.29.19.tlx
55 Mapped RF Channels
Z0 IMS (3 Items Mod) 32/39/42LP62xH

- Once you have opened the map that you wish to edit you will need to load it into the program.

- Double click on the map and the installer menu items.

- They will load into the FTG Configuration List

Installer Menu Templates

Region: North America ▼

Chassis: Select Model ▼

Setup Menu List

Edit Zone [▼]   Remove Item

Load   Note: A template contains the default settings pertaining to its chassis model

Click again to Edit

- Once they are in the FTG Configuration List you will need to double click them again to load them to be edited

- Once you have done this, they will appear under the FTG Channel Map field and the FTG Installer Menu Settings

- Now when you navigate into the Configure menus the loaded map will appear and be available for editing.

- Once all edits have been made you will need to bring them back out of the system and save the edited values to a new file.

LG Cloud Configuration Tool

Newer models of TV's will not show up in the FTG File Manager software even though they will be using a TLX file to be mapped. If this is the case, you will need to use the LG Cloud tool in order to create a map.

- To get to the LG Cloud tool you will need an active internet connection. Once you are connected you will be able to navigate to http://cct.procentric.tv/

- Once on the LG Cloud Configuration Tool website make sure that the Region drop down is set to North America and click Select.

Which Path to Take

- Once you have set your region you will have 2 option in which to proceed.

- If you need to create a map from scratch you will want to click on the Wizard Setup button.

- If you have pulled a map from a TV or have a map that you would like to edit you can select the Advanced Setup in order to import the map you already have.

Wizard Setup

- When creating a completely new map click on the Wizard Setup button and you will be brought to a new page

- On this page you will be asked if you would like to create an FTG Channel Map.

- Click yes to create a map for the channels that will be mapped to the TV

Channel Map Creation

- Once you have click on Yes you will be brought to the channel map page where we can create the channel map.

- On the right-hand side you will be able to select whether you are mapping RF channels or IP channels.

- Select the desired channel type and we can begin making our map.

If you have selected a RF channel you will be shown the following fields.

1. From here you will be able to set the Logical Channel

2. Set a channel Icon

3. Label the channel

4. Set your RF, Major, and Minor channel in which the channel physically exists

5. You can also set if the channel is encrypted or not. If your dealing with pro:idiom do not forget to check the encrypted box r your ap will not work.

6. Once you have set everything for this channel click the save button and you will be able to add another channel.

RF Channel Creation

IP Channel Creation

- Likewise if you are creating an IP channel you will be able to set similar setting.

- Unlike RF channels though you will be asked for the IP address and the Port number in which the channel is being broadcast on.

- You will also need to indicate if the channel is UDP or RTP. Typically channels are UDP form the Com.

- Once you have set all the information for the channel click save and you will be able to add more channels if desired.

- Once you have created your channel map you can click on the Next Step button at the top to move on.

Installer Menu?

- Once you have finished your map and clicked on the Next Step button you will be asked if you would like to create an Installer Menu profile.

- Keep in mind that if you create an installer menu profile you will need to make a unique map for each model of TV that you will be mapping.

- Once you have established if you need to change anything click the Yes or No button to continue.

Installer Menu

Once on the installer menu you will need to click the drop down below Model and select the model of the TV in which you want to create changes to. To the right you can set a zone if the property was being map according to zones.

Once you have selected the TV model that we will be working with click on the Create Profile button below and we will be able to start making changes.

Editing the Installer Menu

Once you have created the profile you will be given the list of what can be changed for the model you have selected.

You can click on the items to be taken to the list of setting that can be modified.

Once you have finished making the desired changes click on the Next Step button at the top.

Calander   M Meraki Dashboard...   U UniFi   DIRECTV Monitorin...   Portal | WAV Support   Mitel Login   DRE Support   LG Cloud   LMS Training   My Profile | Telkone

CLOUD CONFIGURATION TOOL HOME | USER GUIDE | LG BUSINESS

LG
Life's Good

NEXT STEP

INSTALLER MENU
(Use only wizard buttons -- do not use browser buttons)

Installer Menu Profile List: 1 profile

Zone: 0   - Model: 24/28LV760M (0 items modified)   X

Model:
132-2 - 24/28LV760M

Zone:
0

CREATE PROFILE

| SUMMARY | USER | TUNING | AUDIO | AUX INPUTS | VIDEO | HOSPITAL | PRO:CENTRIC | LAN | WI-FI ZONES | MPI |

RESET ALL ITEMS TO DEFAULT

#0 Installer Sequence	#21 V-Chip	#70 Foreground CH-Time	#103 ATSC Mode
#1 Power Management	#22 V-Chip Max Blk Hrs	#71 Background CH-Time	#104 Start Ch Minor
#2 AC On	#23 Closed Caption	#73 Channel N/A	#106 Aspect Ratio Lock
#3 Tuning Band	#27 Hospital Mode	#75 Revert CH	#107 Banner Mode
#4 Start Channel	#28 Channel Override	#77 Quick Shutoff	#116 Video Mute
#5 Channel Lock	#29 Remap Aux Inputs	#82 Checksum Error	#119 Data Channel
#7 Start Volume	#30 Ack Mask	#83 Handshake Time	#121 - #122 Update Time

Exporting your File

- Once you have finished making all the desired changes you are ready to export your file.

- Make sure you first name you map something obvious so that anyone can use it

- Then once you have named the file click on the export file