FLO TV™
Auto Entertainment

AUDIOVOX®

Owner's Manual

AVXMMF1

Congratulations

Congratulations on your purchase of this Audiovox product which allows you to use the *FLO TV*™ service.

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Warning and Safety Information

FCC Information

This device complies with FCC Rules Part 15 Operation and is subject to the following two conditions:
(1) This device may not cause harmful interference and
(2) This device must accept any interference that may be received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

IMPORTANT NOTICE

It is unlawful in most states for a person to drive a motor vehicle which is equipped with a television viewer or screen that is located in the motor vehicle at any point forward of the back of the driver's seat, or that is visible, directly or indirectly, to the driver while operating the vehicle. In the interest of safety, this device should never be installed or operated where its video content will be visible, directly or indirectly, by the operator of the motor vehicle.

Copyrights and Trademarks

© 2009 Audiovox Corporation. All rights reserved.

FLO, FLO TV and the FLO TV logo are trademarks of QUALCOMM Incorporated.

QUALCOMM is a registered trademark of QUALCOMM Incorporated in the United States and may be registered in other countries.

AUDIOVOX is a registered trademark of Audiovox Corporation.

ADVENT is a registered trademark of Audiovox Corporation.

MACROVISION is a registered trademark of ROVI Corporation.

Technical Information

The *FLO TV*™ service operates on UHF channel 55 (720 MHz) and is multicast from terrestrial towers. Coverage will vary and reception is dependent upon the FLO TV module in your vehicle being within range of the towers. Coverage area can be viewed on the FLO TV web site (www.flotv.com).

The FLO (Forward Link Only) TV service is transmitted over the *FLO TV*™ network and received by the FLO TV module in your vehicle. Along with the television program material, data is transmitted for the program guide and is updated on a regular basis. If you are out of the coverage area the program guide will be updated when the vehicle returns to the coverage area.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Activation/Subscription Information

Your FLO TV module will need to be activated before you can begin enjoying the *FLO TV* service. Activation takes place after you subscribe to the *FLO TV* service.

To activate the FLO TV module, call 1-888-99FLOTV (1-888-993-5688). You may also activate on line at www.flotv.com. You must be over the age of 13 to activate your subscription.

You will need the following information before you can activate your subscription:

1. Activation Instructions Card
2. Device ID Number
3. Authorization Code
4. A valid credit card – AMEX/MC/VISA (have your credit card information ready when you call) Note: The credit card will be used to verify your account and will not be charged if service was included with your product purchase.
5. An active email address
6. Billing information (Home/business address linked to your credit card)

To locate your Device ID and Authorization Code turn on your Video Entertainment System (VES) in your vehicle and set the source of the VES to view FLO TV. Press the (Settings) key on the remote to access the Settings Menu. Press the ▼ (down arrow) key to highlight Subscription Information and press the OK (OK) key on the remote. Your Device ID and Authorization Code will be displayed on the VES screen. Write these numbers down before calling FLO TV.

The FLO TV module is activated over the air. When you are calling, your vehicle must be within the coverage area and running. Keep the vehicle on and powered for about ten minutes after you have activated the unit with *FLO TV* Services for the activation to take place. Test your FLO TV to make sure that you are subscribed and all channels work prior to shutting off the vehicle.

FLO TV Introduction

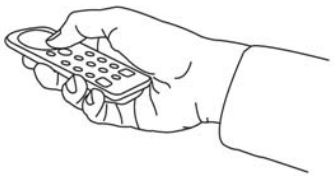
Please refer to the following as an overview to use the *FLO TV* service:

1. Turn the vehicle ignition key to the ON position. Turn on your Vehicle Entertainment System (VES) and select the source input to which the *FLO TV* service is connected. (Note: Watching the *FLO TV* service for an extended period of time with the engine OFF will run down the vehicle's battery.)
2. The VES screen will show the FLO TV splash screen and then the FLO TV preview channel or the last channel that was being viewed.
3. If you are not subscribed, subscribe to the *FLO TV* service by calling 888-99-FLOTV or on line at www.flotv.com The Device ID and Authorization Code of the FLO TV module are required for subscription. Press the (Settings) key on the remote to access the Settings Menu. Press the ▼ (down arrow) key to highlight Subscription Information and press the (OK) key on the remote. Your Device ID and Authorization Code will be displayed on the VES screen.
4. Press the ▲ (up arrow) or ▼ (down arrow) key on the remote to change channels.
5. Press the (Guide) key on the remote to access the FLO TV Channel Guide.
6. The arrow keys (▲▼◄ ►) on the remote allow for navigation through the Channel Guide.
7. Press the (OK) key on the remote to select a desired channel/show from the Channel Guide.
8. Press the (Information) key on the remote to display the program information related to the current program.
9. Press the (Settings) key on the remote to access the FLO TV user settings menu (e.g. Parental Control, etc.).
10. The (Mode) key on the remote allows the user to switch between the *FLO TV* service and an auxiliary A/V source if one is connected.
11. Visit www.flotv.com for more info.

FLO TV Operation

You can operate the FLO TV module with either the wireless (RF) or wired remote control.

Hold the wireless remote 6 to 8 inches from your body for best operation.



When FLO TV is powered on, the following screen will be displayed until the receiver tunes to a channel:

Upon power up, the *FLO TV* service will default back to the last viewed channel. If the above screen does not appear press the MODE (Mode) key on the remote control to switch back to FLO TV.

Are You Subscribed?

In order for you to watch the *FLO TV* service you must be subscribed. To verify if you are subscribed to the *FLO TV* service press the ▲ (up arrow) or ▼ (down arrow) key on the remote to tune to any channel.

If you are not subscribed to a specific channel, that channel's screen will be displayed. (Note: Screen background in this example has diagonal bars in it)

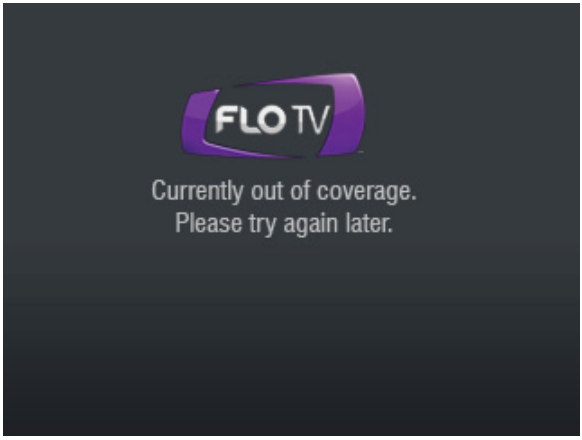
If you are not subscribed to any channels, a screen similar to the one above will inform you.

Some channels may not be available for viewing if they are not included in the *FLO TV* service package you are subscribed to.

Are You Covered?

FLO TV service coverage is available in many metropolitan areas and travel corridors within the United States. Please visit the FLO TV web site (www.flotv.com) to check the coverage maps in your area.

If you are travelling in an area that is not covered by the *FLO TV* network or travel out of the areas covered by the *FLO TV* network the following screen will be displayed:

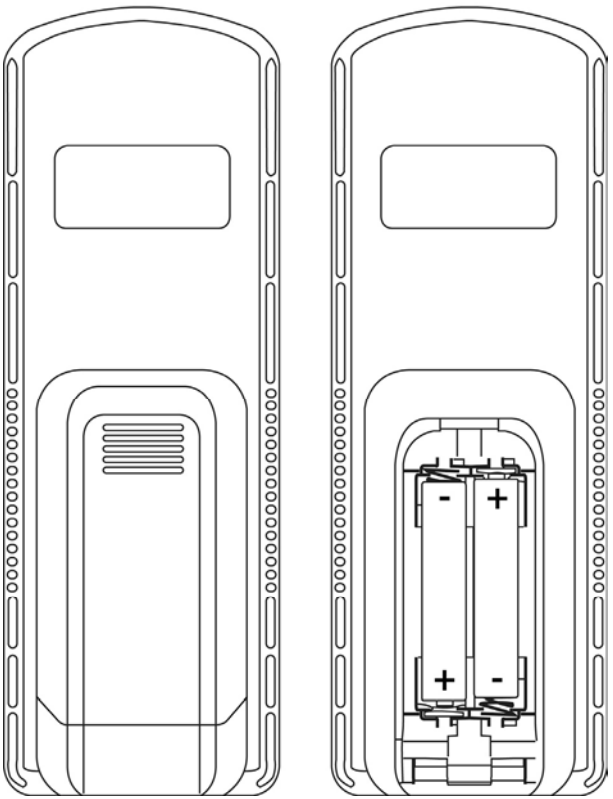


Once you have returned to an area covered by the *FLO TV* network, FLO TV programming will resume. If you are planning a trip, check the FLO TV web site (www.flotv.com) to see if your route is within the *FLO TV* network coverage area.

What's on my FLO TV?

Please visit www.flotv.com to get an up to date listing of all channels and shows available on the *FLO TV* service.

Remote Control Battery Replacement



Remote Control Battery Installation

1. Slide the cover off the battery compartment.
2. Insert two AAA batteries into the battery holder. Be sure to observe the correct polarity.
3. Slide the battery cover into position on the remote control.

Remote Control Operation

The FLO TV Module comes with two remote controls, one a wireless RF (Radio Frequency) battery operated remote and the other a wired remote control (which is located in the glove box or center console).

The wired remote is used in the event that the wireless remote control is lost, misplaced or the batteries in the wireless remote control are dead.

The wireless remote control is RF (Radio Frequency) and should be held 6 to 8 inches from the body for best range.

Both remotes can be used to fully operate the *FLO TV* service and are used to access FLO TV channels, system settings and subscription modifications and changes.

Remote Control Functions

Symbol	Function
	Use for channel changing (up/down), navigating menus, and selecting items
	Use to select a channel or setting
	Information key –use to display program information.
	Channel Guide – use to select the channel guide
	Back key – takes the user back one screen when in the Menu, Show Information, Show Description, or Guide. Path ends at full screen TV
1,2,3,4,5,6,7,8,9,0	Number keys – use to select favorite channels and for PIN entry for parental controls
	Settings key– allows the viewer to toggle on/off the FLO TV settings menu
	Mode key– toggles between FLO TV and an auxiliary A/V source (Note: Your system may not have an auxiliary source)

How is FLO TV Programming Rated?

Parental controls are built into FLO TV so that you can filter the program and movie content that can be watched on the *FLO TV* service. Below is a ratings chart based on content type for TV program material and movie material:

TV Ratings
TV-Y
TV-Y7
TV-G
RV-PG
TV-14
TV-MA

Movie ratings information, if provided, is available in the FLO TV programming guide. Audio content can be restricted as well based on the chart below:

Audiocast Ratings
Clean
Explicit

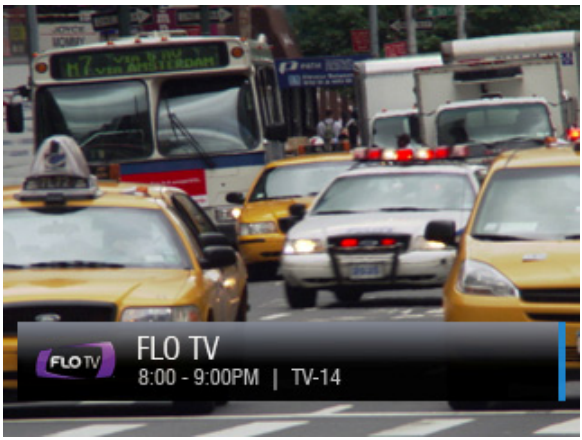
Notes

- Unrated content (NR) does not have a rating exposed in the user interface, and the rating string value will be blank when this occurs.
- FLO TV blocks or allows unrated programs based on whether the unrated program is allowed to play with Parental Controls enabled.
- Specific programs identified as most restrictive must challenge the user to enter the PIN, even if parental controls are turned on at the least restrictive level.
- Specific programs identified as least restrictive must NOT challenge the user to enter the PIN, even if parental controls are turned on at the most restrictive setting.
- If the correct PIN is entered, the restrictive content can be displayed.

Getting Around in FLO TV

Watching the *FLO TV* service limits the channel information or pop-ups occurring while viewing the program as shown below:

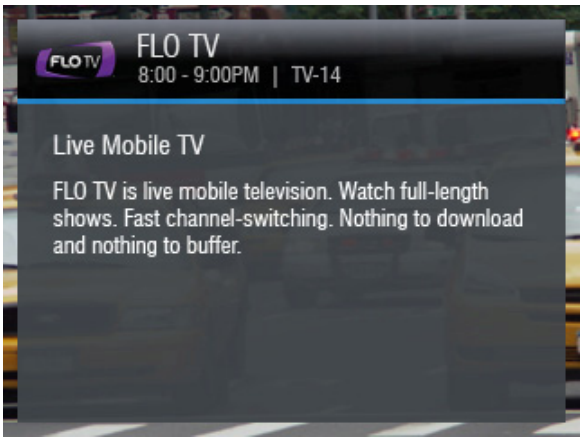
If you want to see what channel you are on, press the (Info) key and the following screen and information will appear:



Information displayed:

- Channel Logo
- Program Title
- Program Start Time
- Program End Time
- Program rating

Pressing the (Info) key again will display more information about the channel being viewed as shown below:



Information displayed:

- Channel Logo
- Program Title
- Program Start Time
- Program End Time
- Program Rating
- Episode Title
- Episode Summary

Pressing the (Info) key will return the viewer to the full screen.

FLO TV Program Guide

You can access the FLO TV program guide by pressing the (Guide) key which displays the program guide:

The FLO TV program guide is a matrix of programs and their start times, organized by channel. A user can view the guide and tune to a currently playing program or view program descriptions for future programs. The following information generally is displayed:

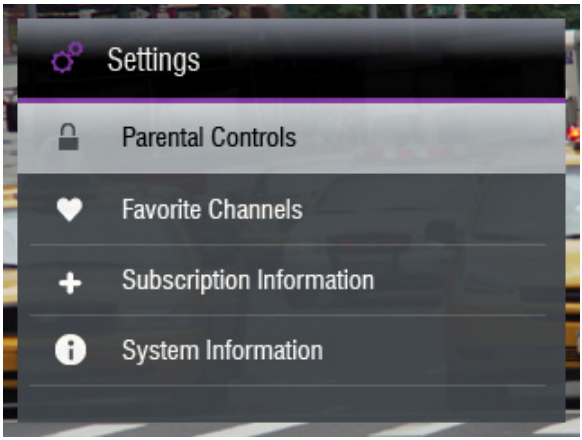
- FLO TV Logo
- Current Time
- Current Day
- Guide Day
- Guide Time
- Channel Logo
- Program Title
- Parental Block Icon (lock symbol)
- More Icon ▸

Notes

- Programs that are blocked due to Parental Controls display the locked icon.
- The channel logo column is not selectable.
- The guide loops vertically when you press the ▲ (up arrow) or ▼ (down arrow) key.
- The guide is bounded horizontally by time. The user cannot navigate into the past or beyond the amount of guide data available.
- Current program tuned is designated by darker cell color and vertical right color bar when not in focus.
- Guide Day refers to the day within the guide data the user is currently viewing.
- Guide Time refers to the time within a particular day of guide data the user is currently viewing. These values change as the user scrolls right and left through guide data.
- Current Day and Current Time are independent of Guide Day and Guide Time.
  The More ▸ Icon is visible when a show's length extends beyond the bounds of the current guide view. They are visible when going forward in time and going back in time.

Settings Menu

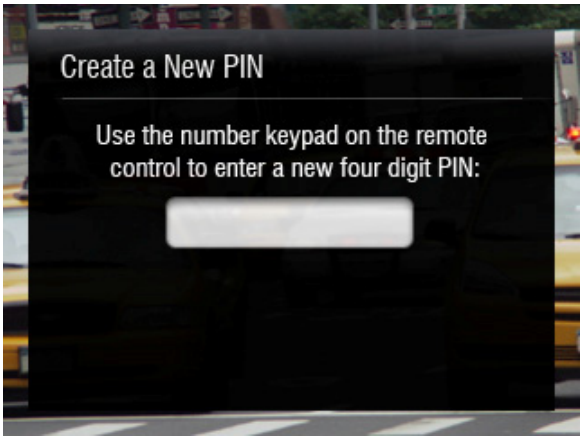
Press the (Settings) key to enter the Settings Menu and the following screen will be displayed:



Parental Controls

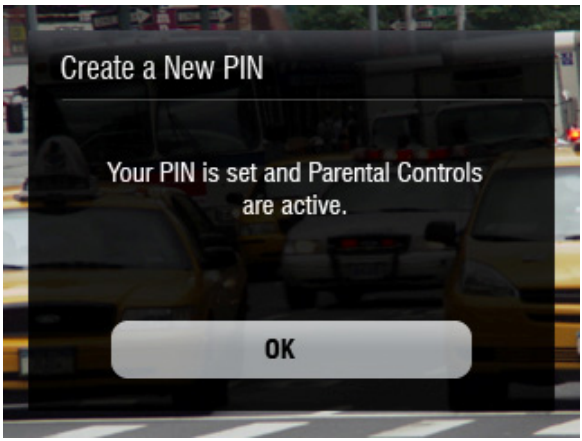
In the Settings Menu, the first selection is Parental Controls, which is highlighted in light gray. Press the OK key to access the parental controls menu. The following screen will be displayed:

Use the ▶ (right arrow) key to highlight the parental on/off control and press OK to enable it or disable it. Once enabled, press the OK key and you will be prompted to create a PIN (Personal Identification Number) as shown in the following screen:



Use the remote control keypad to enter a 4 digit PIN. When the fourth digit is entered the following screen will appear to confirm the new PIN.

Re-enter the same 4 digit PIN to confirm the PIN number. The following screen will be displayed:



(NOTE: Write the PIN down in a secure location. If it is lost you will have to call 1-888-99FLOTV to reset the PIN. The PIN cannot be reset online. Do not share your PIN with the person whose access to programming is being restricted.)

Once you have set your PIN, you can now change the ratings limit on TV, Movies and Audio content. To change the ratings:

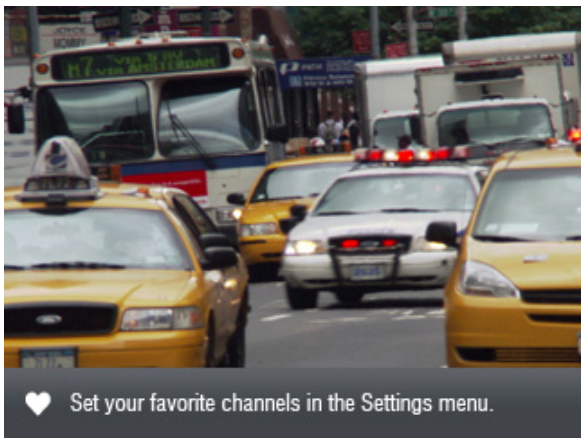
Use the ▼ (down arrow) key to highlight TV Rating, Movie Rating or Audio Limit or Restricted Channels and press the OK key on the remote control. The following screen will appear:

Use the ▶ (right arrow) and ◀ (left arrow) key to change the TV rating. Once you get to the rating you want, press the OK key to select it. Press the (Back) key to return to TV viewing.

Favorite Channels

Up to 10 channels can be programmed into the numeric keys on the remote. Once they are programmed, pressing any one of them tunes your FLO TV to the channel that you have pre-programmed to the number key.

If you have not pre-programmed favorites, when you press a numeric key, you will be prompted by the info bar at the bottom of the screen asking you if you want to add the channel to your favorites:



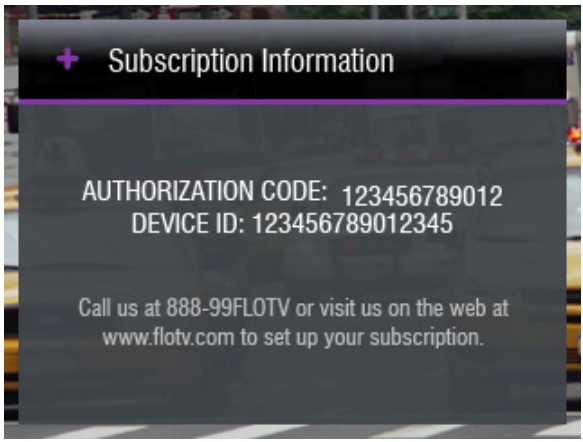
To program favorite channels press the (Settings) key to access the settings menu. Use the ▼ (down arrow) key to highlight Favorite Channels and press the OK key.

The following screen will appear which lists each channel available on the *FLO TV* service. Use the ▲ (up arrow) or ▼ (down arrow) key to highlight a channel and press a numeric key to set the highlighted channel to a favorite. In the example below, the Nickelodeon channel is set to the number 1 key.

Once you are back watching the *FLO TV* service you can press a number key to quickly access your favorite channels. Up to 10 channels can be programmed with the numeric keypad (0-9).

Subscription Information

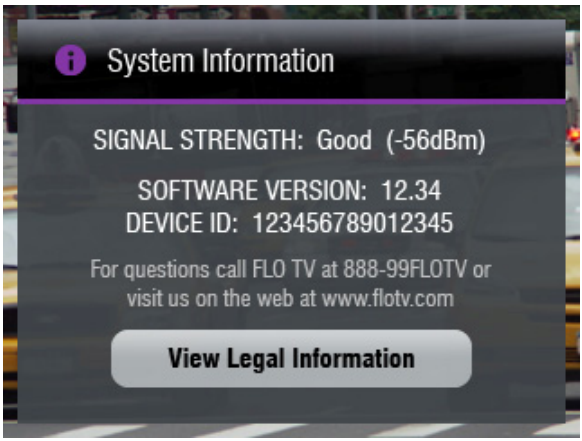
In the Settings Menu, use the ▲ (up arrow) or ▼ (down arrow) key to highlight Subscription Information and press the OK key, the following screen will be displayed:



This screen tells you the basic information of your FLO TV system. (Note: The Authorization Code and Device ID will be different from the above screen, which is for reference only.)

System Information

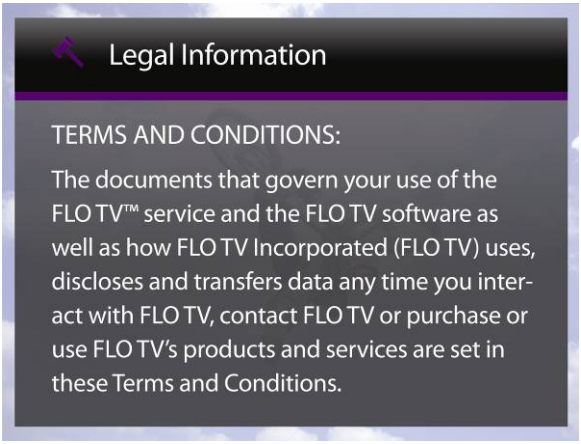
In the Settings Menu, use the ▲ (up arrow) or ▼ (down arrow) key to highlight System Information and press the OK key, the following screen will be displayed:



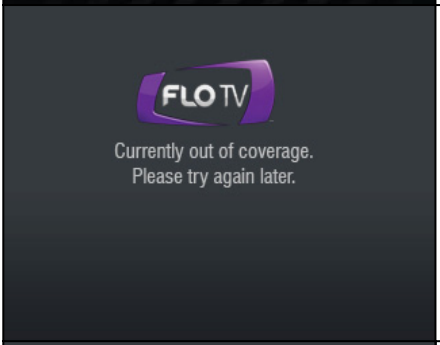
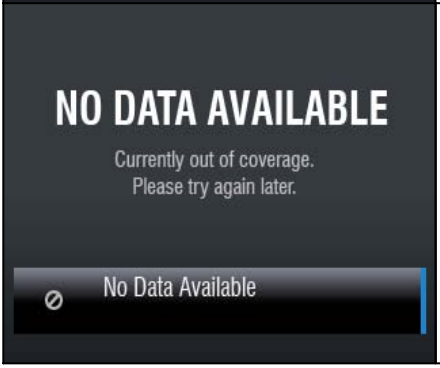
This screen tells you the signal strength of the FLO TV signal. If you are having reception problems, go to this page to see if the FLO TV signal is available at your location. (Note: The Device ID will be different from the above screen, which is for reference only.)

Legal Information

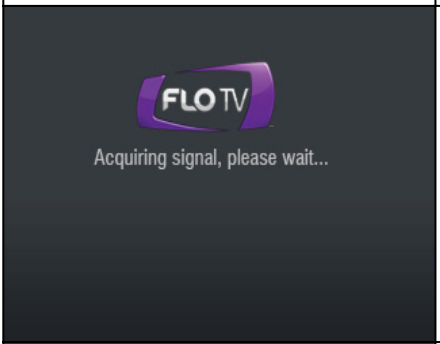
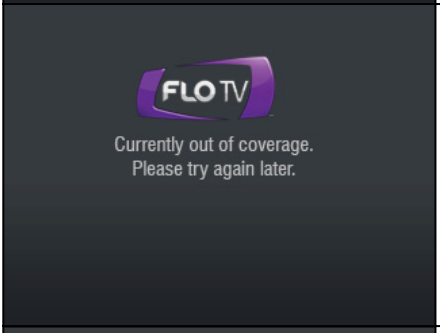
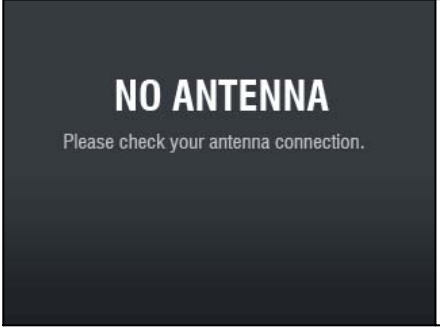
Use the ▼ (down arrow) key to highlight Legal Information. This information governs the terms and conditions of your use of the *FLO TV* service and the *FLO TV* network. To see the full text and the privacy policy go to www.flotv.com.



Troubleshooting

FLO TV Screen Observed	Explanation
	You are not subscribed and are not able to access any channel except the FLO TV channel.
	Unable to access any channel; you are out of the coverage area.
	You are either out of the coverage area or your FLO TV module has not updated the program guide information. The *FLO TV* Service will return to normal when you are back in the coverage area.

Troubleshooting (cont'd)

FLO TV Screen Observed	Explanation
	You are in a fringe coverage area; programming will return to normal when you are back in the coverage area.
	You are out of the coverage area; programming will return to normal when you are back in the coverage area.
	Contact the car dealer or the retailer where this product was installed or purchased.

Troubleshooting (cont'd)

Problem	Root Cause	Solution
Poor or No Video	Vehicle's Rear Seat Entertainment System Video Input not selected	Change the source inputs on the vehicle's rear seat entertainment system until the FLO TV signal is displayed.
Wireless Remote Control does not work	Batteries installed incorrectly	Verify that the two AAA batteries are installed properly per the polarity markings.
	Batteries are dead	Replace the two AAA batteries.
Engine noise (whine, pops, static) can be heard when FLO TV is in AUX mode	Ground loops in the system wiring generate noise	Use only battery powered devices such as portable media players or use ground isolation products to eliminate noise.

Customer Care

Call 1-888-99FLOTV (1-888-993-5688)

Specifications

Power	12 VDC
Current Draw	200 mA Max
Video Output	1 V_{p-p} 75 ohms
Video Format	NTSC
Audio Output	200 mVRMS

Notes

Notes

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