



# RDSUSBV1

## Owner's Manual/Installation Guide



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## Warnings and Safety Instructions

Please read these instructions carefully before proceeding. Failure to follow instructions may result in improper operation or injury. Neither Audiovox Electronics Corporation nor Apple Inc., it's regional offices, distributors or resellers take any responsibility for any damage or injury as a result of using the integration kit.

- Do not open, disassemble or alter the interface in any way.
- Do not insert anything into the casing.
- Do not cut or try to alter cables in any way and always use the correct connections.
- Only operate unit when the vehicle is stationary or ask passengers to operate it for you.
- Do not allow the Apple iPod/iPhone to distract you from driving.
- Exercise good judgement and keep your eyes on the road at all times.
- Do not expose unit to extreme temperatures, humidity or shock.
- Keep the unit and iPod/iPhone away from fluids.
- Keep away from children! - Interface components may contain small parts, that may be broken or disassembled and components may become loose from vibration and heat. Small components and packaging materials may be a choking hazard when handled by children.



## Congratulations on your purchase!

Thank you for purchasing this integration kit. Please review this booklet before operating the unit. This interface was designed and manufactured to seamlessly integrate with your vehicle's factory audio system.

## Product Registration

We recommend registering your Audiovox product so you can receive news about important firmware updates and have unlimited access to our online support system.

**To register your FlashLogic product, please complete the following steps:**

1. Visit <http://www.audiovoxoei.com>
2. Look up and save the serial number of the product.
3. Complete the product registration form.
4. Submit the form.
5. Save the registration sheet in a safe place for future reference.

If you are unable to complete the registration via internet, please call Audiovox at 1-800-645-4994.

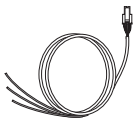


Prior to installation make sure the module's **firmware is up to date** to ensure compatibility with the latest features and enhancements. Please refer to page 31 to update firmware.

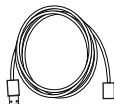
## RDSUSBV1 Kit Contents



Interface  
Module



Power  
Cable  
112-4213

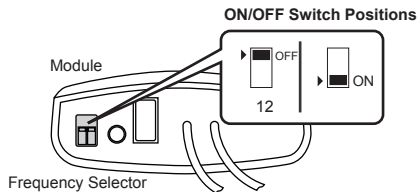


USB  
Extension  
112-4191



IR Receiver &  
Remote  
112-4217

## Frequency Configuration Settings



FM (MHz)	Dip switch 1	Dip switch 2
88.7	OFF	OFF
93.3	ON	OFF
97.5	ON	ON
107.7	OFF	ON

NOTE - Other frequencies can be selected using the Original Equipment Industry (OEI) Control Application!

## Supported Devices

iPhone support	iPod support
iPhone 5s	iPod nano 7th
iPhone 5c	iPod nano 6th
iPhone 5	iPod nano 5th
iPhone 4s	iPod nano 4th
iPhone 4	iPod Classic
iPhone 3GS	iPod touch 5th
iPhone 3G	iPod touch 4th
iPhone 6	iPod touch 3rd
iPhone 6 Plus	iPod touch 2nd

Sirius XM support
SXV200V1
SXV300

For the most up to date supported device list,  
please visit [www.flashlogic.com](http://www.flashlogic.com)

## **Attention installer! Please read the following!**

**Audiovox strongly recommends that the unit be installed in an easily accessible place!**

**DO NOT PLACE IT BEHIND THE RADIO AND DO NOT HIDE UNDER CARPET!**

Whether the unit is professionally or self installed, put the module where you can get to it easily in the future.  
(Have the installer show you where the box is located.)

Installing the RDSUSBV1 module behind the radio will make it difficult to:

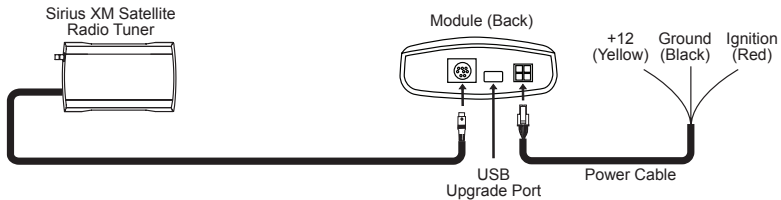
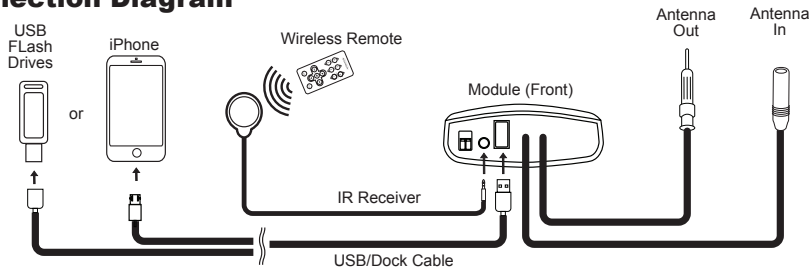
- Add possible future upgrades, changing software, adding new features, improving operation.
- Access the AUX input on the module to attach any audio device.
- Access the DIP switches located on the module.
- Remove the unit in case of failure.



**MAKE SURE THAT THE MODULE IS INSTALLED IN AN ACCESSIBLE PLACE!**

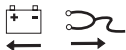


## Connection Diagram

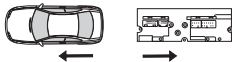


## Installation

1. Verify compatibility. Certain radios require antenna adapter(s), not included in the kit.
2. Disconnect battery.



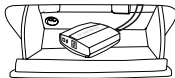
3. Remove radio from car.



4. Install Universal RDS USB cable. Plug the factory radio antenna to the receptacle on the module.



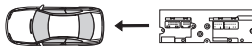
5. Test for 12V constant, 12V switched, and ground sources. Splice into with leads from power cable.
6. Route kit to glove box or other accessible location.



7. Connect battery and test\*



8. Complete installation by re-installing the radio



9. Save the frequency to a preferred preset on the radio if desired.

**\*CAUTION:** Do **NOT** connect any mini-din and iPod cable used on other Audiovox products to the mini-din port. Failure to follow this will cause permanent damage to the unit/iPod!

## Owner's Manual

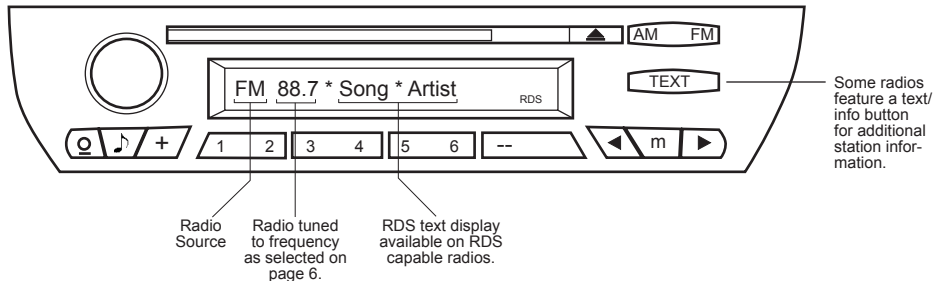
## **Thank you for purchasing this product!**

Please make sure to register the product to receive updates and technical support.

The following pages will guide you through the operation of the product.

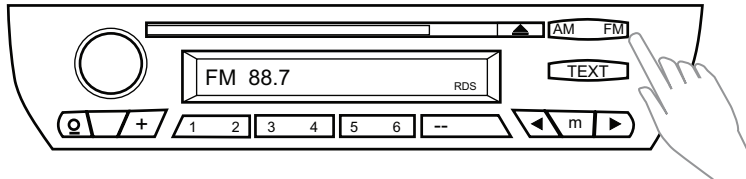
Some features may vary depending on the factory car radio, the iPod or iPhone and the Satellite Radio tuner type as well as firmware updates applied to the interface module.

## Radio Data System (RDS) Text Display On Typical Car Radios



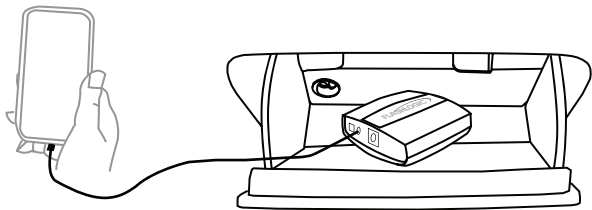
**Image is for illustration purposes only. Please review your vehicle radio's documentation for specific details on how to operate it and for details on RDS technology.**

## Basic Operation I.



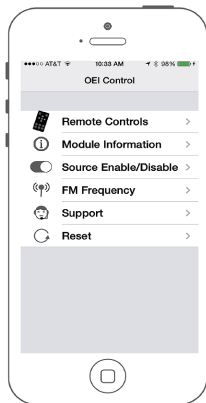
1. Turn on the vehicle ignition to (ACC/ON) and turn the radio ON.
2. Select the FM source to tune to the preset station set by the configuration switches (see page 6).
3. Tune the radio to the channel that is set by the frequency selector.

## Basic Operation II.



4. Connect the iPhone or iPod **using an Apple authorized USB cable** to the RDSUSBV1 module.
5. Use wireless remote to control devices, or control desired music on your iPod/iPhone.
6. Launch the music player or any music application and press play to start music playback.
7. To resume listening to local radio stations either pause or disconnect your iPod/iPhone, or press the Source button on the optional wireless remote controller.

## OEI Control Application - Settings



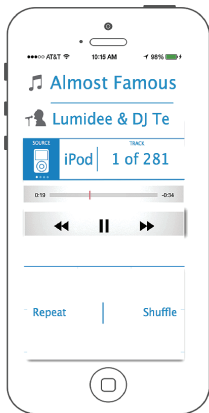
1. Download the Audiovox Original Equipment Industry OEI Control App from the Apple iTunes store.
2. Launch the application and connect the iPhone to the RDSUSBV1 module using an Apple authorized USB cable. **This application only works when the iPhone is connected through the USB port.**
3. Explore the features and settings of the application.
4. Customize the RDSUSBV1 settings with the help of the OEI control app.

A firmware update might be required to the RDSUSBV1 module.

For more information, please visit [www.audiovoxoei.com](http://www.audiovoxoei.com)



## OEI Control App - Music Remote Control

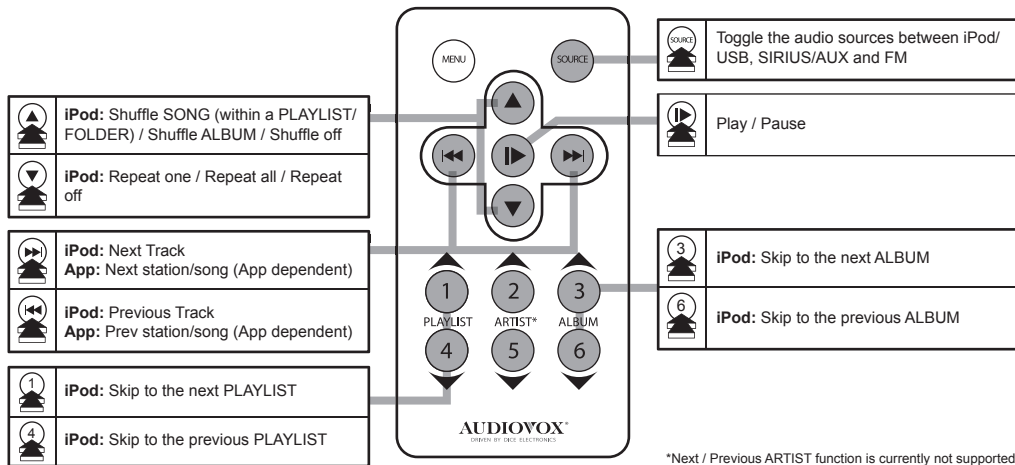


The control app features a “car friendly” remote control User Interface (UI) for the iPod playback.

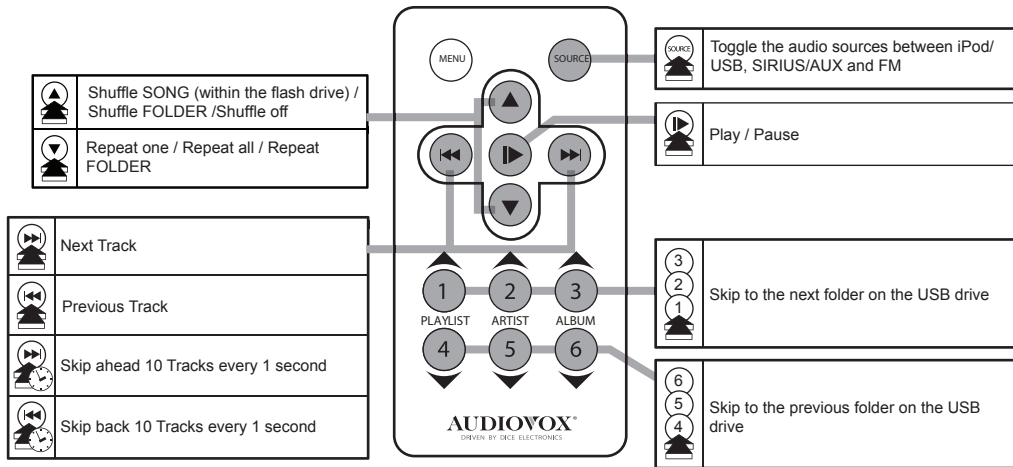
OBEY ALL TRAFFIC LAWS AND NEVER OPERATE A MOBILE PHONE WHILE DRIVING YOUR VEHICLE.

**NOTE:** User Interface functions are subject to change.

## Wireless Remote Function For iPod / iPhone

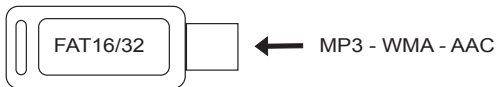


## Wireless Remote Function For USB Flash Drives

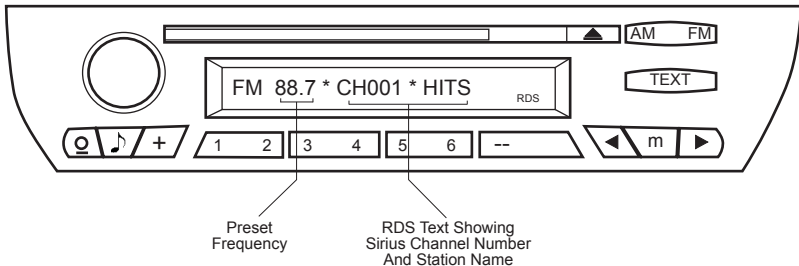


## Notes on USB Memory Structure

- This unit will recognize the first 8 levels of folders, with up to 50 accessible folders within each folder. Only the first 650 files will be read in each folder, the rest will be ignored.
- Songs play in the order they were added to the flash drive.
- The USB device must be in FAT16/32 format and contain supported MP3, WMA or AAC content.
- USB hard drives and USB hubs are not supported

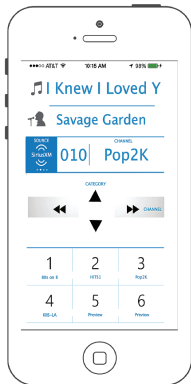


## Basic Operation - Satellite Radio



- The RDSUSBV1 is designed to interface a compatible Sirius XM satellite radio tuner to a vehicle radio.
- Audio will play through the preset FM frequency. Channels of the Sirius XM radio can be selected either using the wireless remote control or through the Audiovox OEI control application.

## OEI Control App - Sirius XM Remote Control



The control app features a “car friendly” remote control UI for Sirius XM.

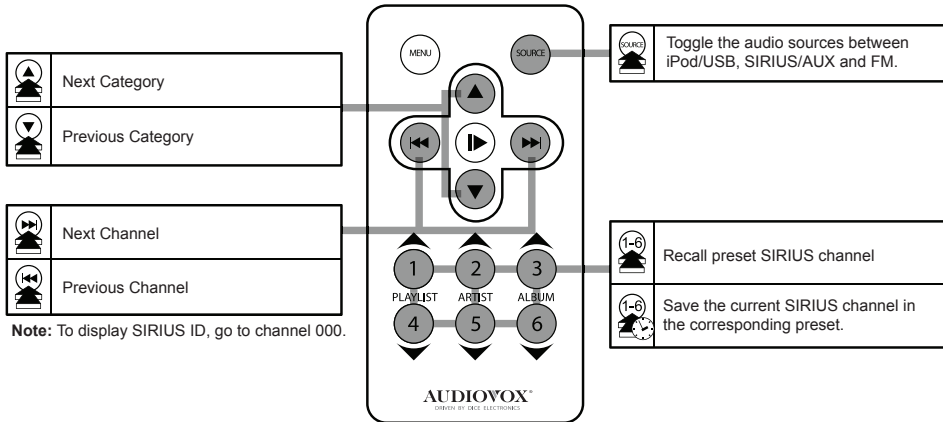
Large fonts are used to display the station information.

Easy channel and category navigation with 4 way control.

6 presets are provided.

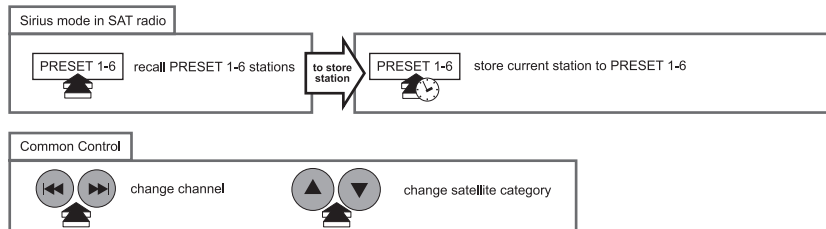
**OBEY ALL TRAFFIC LAWS AND NEVER OPERATE THE MOBILE PHONE WHILE DRIVING THE VEHICLE.**

## Wireless remote function for Sirius XM



## Sirius XM operation (using wireless remote)

- Stations can be saved to PRESET 1-6 by holding the desired PRESET button, while listening to the station.



- If a Sirius Connect compatible tuner is not detected, then either a "No Tuner" vehicle message is displayed, or the SIRIUS option will not be selectable.
- Go to Channel 000 to view the Satellite radio ID (SID) for activation. The 8 digit SID display format is in two halves as SID "123456-" followed by "-78".



## **Internet Radio Application Support (iPhone/iPod touch)**

This kit includes support for internet radio streaming apps available on the iTunes® Store. Thousands of stations can be streamed through data connections. Many popular streaming apps are supported including Livio Radio, Pandora, iHeart Radio and more. Supported features such as text display on screen, and next/previous track functions will vary by app.

To learn more about each app specifically, please visit the website for the app you need information about.

## **Data connection requirements (3G/4G/LTE/WiFi)**

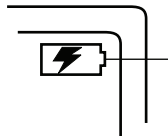
Users must have an active wireless data connection in order to stream music from an app while in the car. Data connections including “3G” or “4G” through wireless carriers, or a third party wireless Internet access point connected to your mobile device through WiFi will work. Because this app requires a data connection, it will only work on connected devices such as the iPhone and iPod touch.



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## Charging the iPod or iPhone

The interface automatically charges the battery of the iPhone or iPod when connected and your vehicle ignition key is in the ACC/ON position.



Charging may be shown by an icon that appears on the upper right corner of the iPod screen. The icon may vary by model.

## Troubleshooting

Problem	Solution
<b>Interference, loss of refreshing RDS text, or signal fading.</b>	This problem generally can occur on radios with two FM antenna inputs. Radios with a diversity antenna design are able to switch from one antenna input to the other to find the strongest FM signals. Disconnecting the secondary antenna from the radio or using a diversity antenna adapter typically resolves this problem.
<b>Text is not displaying on the screen of the radio.</b>	Text from the iPod will only display if the radio is RDS capable. Look for RDS capability: RDS capable radios will show text in addition to the frequency such as song information while listening to certain FM stations.
<b>Music is distorted or sound level is too low with iPod connected.</b>	Make sure all EQ and BASS boost options are turned off on your iPod.
<b>The remote control is not controlling the iPod.</b>	Please make sure that the iPod dock connection is not loose. Make sure that an iPod case is not preventing the dock connector from being fully seated. Disconnect and reconnect the device. If iPod is not responding, please try resetting it. Check the wireless remote's battery and IR receiver connection.

<b>Problem</b>	<b>Solution</b>
<b>The radio display contains “EMPTY/ STOP” and no music plays.</b>	The iPod does not have playable audio files or end of a playlist is reached. Please select a new playlist on the iPod or remote.
<b>Cannot hear audio from iPod.</b>	Check the DIP switch settings and make sure that radio is tuned to the selected frequency. With the ignition OFF, disconnect the power harness from module for a few seconds and reconnect. Reset the iPod.
<b>Category reads “PRESELCTD”.</b>	Playback of content selected on the iPod before connected it was to the interface continues until new content is selected.
<b>iPod does not charge.</b>	Check all connections. See if iPod charges while connected to computer or wall charger. You may need to reset the iPod.

<b>Problem</b>	<b>Solution</b>
<b>Text from iPod/iPhone music App doesn't display.</b>	Audio streams from internet radio is routed through the Flashlogic RDS kit, but text information may not be available unless the applications shares the "now playing" information with the kit.
<b>I can't control the iPod/iPhone/USB drive from the radio.</b>	Content control must be done directly on the iPod/iPhone, or via the remote control.
<b>Cannot hear AM/FM radio stations.</b>	<p>When an iPod/iPhone/USB drive is connected to the Flashlogic RDS USB kit, the interface cuts out the factory antenna feed to prevent interference form strong local stations. Disconnecting the iPod/iPhone/USB drive restores the antenna connection.</p> <p>If you have the optional remote control, you can press the SOURCE button to switch between iPod/iPhone/USB drive and factory antenna feed.</p>

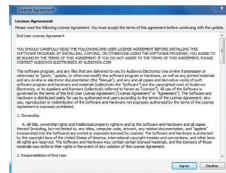
## Updating Firmware (Mac OS illustrated)



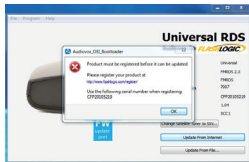
Connect module via mini USB



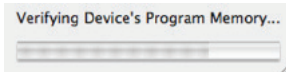
Device Specifications And Update Selection



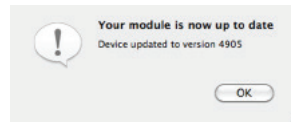
License Agreement (click Agree to proceed)



Product Registration Notification



Firmware Update Progress



Module Updated Successfully!

**NOTE:** The above screen shots are for illustration purposes only.

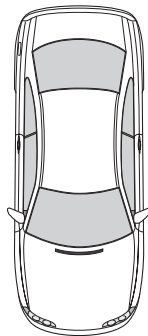
**Installation Notes:**

Installed by:

Installed date:

Other notes:

Illustration:





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**AUDIOVOX®****12 MONTH LIMITED WARRANTY**

VOXX ELECTRONICS CORP. (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with reconditioned product (at the Company's option) without charge for parts and repair labor. A game controller, if supplied, is similarly warranted for ninety (90) days.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the Company at the address shown below.

This Warranty does not extend to the elimination of externally generated static or noise, to correction of antenna problems, to costs incurred for installation, removal or reinstallation of the product, or to damage to digital memory/media devices, gaming devices, discs, speakers, accessories, or vehicle electrical systems.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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128-9032a

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Product Information, Photos,  
FAQ's, Owner's Manuals



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**Document Number**  
**128-9371**



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PLEASE RECYCLE  
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ÉCONOMISER L'ENVIRONNEMENT  
RECYCLEZ S'IL VOUS PLÂT  
+  
EXCEPTO EL AMBIENTE  
RECICLE POR FAVOR