



MIRGE

**Dock & Play Radio
User Guide**

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Introduction

Introduction

Features

Congratulations, on your purchase of the MiRGE!

The MiRGE has these exciting features to enhance your listening experience:

- Enjoy both SIRIUS and XM services in one radio: Effortlessly switch between SIRIUS and XM at the touch of a button.
- Personalize your display: Large, customizable, color screen displays channel information the way you want it.
- Multi-channel viewing: Display your current channel information while scrolling through the previous or up to three other programming channels.
- Control live radio: Pause, rewind and replay up to 60 minutes of live SIRIUS or XM programming.
- Track your favorite songs and artists: TuneSelect alerts you when your favorite artists or songs are playing on another channel of the active service.
- Keep up on stocks and sports: Real-time, on-screen tickers track the latest scores and stocks while you listen to your favorite SIRIUS or XM programming.

To get the most from your MiRGE, please read this entire user guide.

About SIRIUS XM Radio

SIRIUS XM Radio is America's satellite radio company delivering the The Best Radio on Radio™ to more than 18 million subscribers, including commercial free music, and premier sports, news, talk, entertainment, traffic and weather.

SIRIUS XM Radio has exclusive content relationships with an array of personalities and artists, including Howard Stern, Oprah, Martha Stewart, Jimmy Buffett, Elvis, Jamie Foxx, Barbara Walters, Frank Sinatra, Opie & Anthony, The Grateful Dead, Willie Nelson, Bob Dylan, Dale Earnhardt Jr., Tom Petty, and Bob Edwards. SIRIUS XM Radio is the leader in sports programming as the Official Satellite Radio Partner of the NFL, Major League Baseball®, NASCAR®, NHL®, and The PGA TOUR®, and broadcasts major college sports.

SIRIUS XM Radio has exclusive arrangements with every major auto maker. SIRIUS XM Radio products are available at shop.sirius.com and shop.xmradio.com, and at retail locations nationwide, including Best Buy, Circuit City, RadioShack, Target, Sam's Club, and Wal-Mart.

SIRIUS XM Radio also offers SIRIUS Backseat TV, the first ever live in-vehicle rear seat entertainment featuring Nickelodeon, Disney Channel and Cartoon Network. XM NavTraffic service for GPS navigation systems delivers real-time traffic information, including accidents and road construction, for more than 80 North American markets.

Introduction

Safety and Care Information

 **IMPORTANT:** Always read and understand all the instructions to avoid injury to yourself and/or damage to your radio. SIRIUS XM Radio claims no responsibility for damage from data loss due to breakdown, repair, or other causes.

- Do not expose to extreme temperatures (above 140°F or below -4°F, or above 60°C or below -20°C).
- Do not expose to moisture. Do not use device near or in water.
- Do not let any foreign matter spill into device.
- Do not store in dusty areas.
- Do not expose to chemicals such as benzene and thinners. Do not use liquid or aerosol cleaners. Clean with a soft damp cloth only.
- Do not expose to direct sunlight, fire, flame or other heat sources for a prolonged period.
- Do not try to disassemble and/or repair the device yourself.
- Do not drop the device or subject it to severe impact.
- Do not place heavy objects on the device.
- Do not subject the device to excessive pressure.



WARNINGS

- Opening the case may result in electric shock.
- The uninsulated parts inside the power adapter and cradle may cause electric shock or fire. For your safety, please do not open these components. Do not let metallic objects, such as necklaces or coins, come into contact with the power adapter plugs.
- To avoid electric shock, use the power adapter only with an outlet that matches the shape of the adapter's plug.
- Make sure that you insert the adapter's plug all the way into the outlet.
- Do not plug several devices into the same electrical outlet.
- Use the power adapter and cradle away from water sources to avoid fire or electric shock.
- Do not touch the device with wet hands.
- Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.
- **Operating Temperature:** The radio is designed to operate between -20° to +85° C (-4° to +185° F). Avoid leaving the radio in a vehicle or elsewhere where the temperature may fall outside this range. Extreme temperatures or extreme temperature fluctuations can degrade the performance of the LCD display screen, and possibly damage it.
- **Cleaning and Maintenance:** If the radio or accessories become dirty, turn the power off and wipe it clean with a soft cloth. Do not use hard cloths, strong cleaning fluids, paint thinner, alcohol, or other volatile solvents to clean. These may cause damage to the radio.

Introduction

General Precautions and Warnings

- When using this product it is always important to keep your eyes on the road and hands on the wheel. Not doing so could result in personal injury, death, and/or damage to your device, accessories, and/or to your vehicle or other property.
- Your device should be placed in your vehicle where it will not interfere with the function of safety features, e.g., deployment of airbags. Failure to correctly place this device may result in injury to you or others if the unit becomes detached during an accident and/or obstructs the deployment of an airbag.
- Do not operate your SIRIUS XM Radio in a way that might divert your attention from driving safely. As a driver, you alone are responsible for safely operating your vehicle in accordance with traffic safety laws at all times.
- Do not install the radio where it may obstruct your view through the windshield, or of your vehicle's indicator displays.
- Be sure the radio and accessories are installed as described in these installation instructions and the instructions which accompany each accessory kit. SIRIUS XM Radio is not responsible for issues arising from installations which were not installed according to the instructions.
- To avoid short circuits, do not open the radio or accessories, and never put or leave any metallic objects (coins, tools, etc.) inside the radio.
- If the radio or accessories emit smoke or unusual odors, turn the power off immediately, and disconnect the radio from any power source.

- Do not drop the radio or subject it to strong shocks.
- If your radio doesn't seem to be working properly, turn it off, wait 10 seconds and then turn it on again.
- The installation and use suggestions contained in this manual are subject to any restrictions or limitations that may be imposed by applicable law. The purchaser should check applicable law for any restrictions or limitations before installing and/or operating this unit.

Liquid Crystal Precautions

If the LCD screen on the radio is damaged, do not touch the liquid crystal fluid. If any of the following situations happen, take the action indicated:

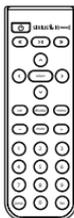
- 1 If the liquid crystal fluid comes in contact with your skin, wipe the skin area with a cloth and then wash the skin thoroughly with soap and running water.
- 2 If the liquid crystal fluid gets into your eye, flush the eye with clean water for at least 15 minutes. Seek medical care.
- 3 If the liquid crystal fluid is ingested, flush your mouth thoroughly with water. Drink large quantities of water and induce vomiting. Seek medical care.

Introduction

What's in the Box?



MiRGE Radio



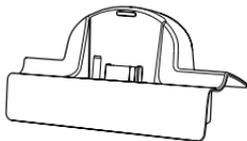
Remote Control



Interoperable Vehicle
Antenna



Antenna Cover/Tail



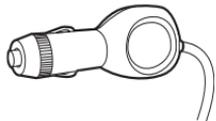
Vehicle Dock



Aux In Cable



Cassette Adapter



Vehicle Power Adapter



Vent Mount



Adhesive Mount



Adhesive Mount
Preparation Kit

MIRGE Functions

Replay Buttons

Pause and replay up to 60 minutes of live SIRIUS or XM broadcasts.

DISPLAY Button

Customize the way content is shown on the display.

Power Button

Select Button

Confirms selection for channel and menu items; also press-and-hold to TuneSelect.

Arrow Buttons

Search for channels by category.

5-Way Navigation Knob

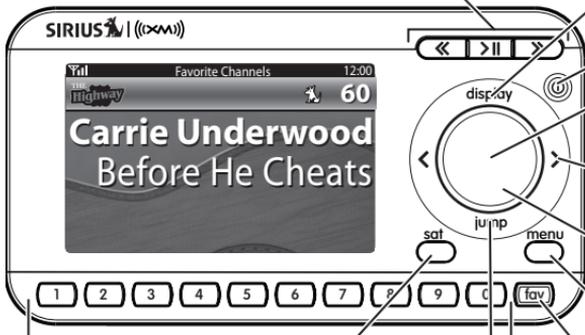
Previews channels; also selects various menu options.

MENU Button

Access advanced features and configuration options.

FAV Button

Select between direct entry tuning or favorite channel tuning.



Number Buttons

Enter a channel directly or select your favorite channels.

SAT Button

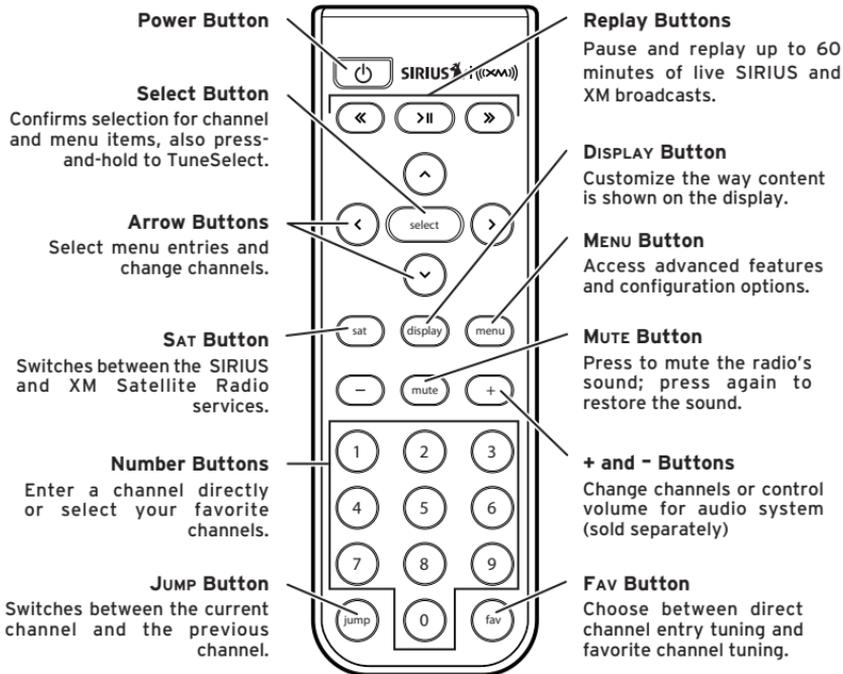
Switches between the SIRIUS and XM Satellite Radio services.

JUMP Button

Switches between the current channel and the previous channel.

Introduction

Remote Control Functions



5-Way Navigation Knob

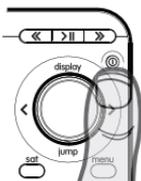
Turn the knob to scroll through a list.

Press the center of the knob (**Select button**) to make a selection.

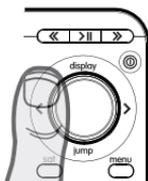
Press the edge of the **Select button** to select **DISPLAY**, **JUMP**, **<** or **>**.



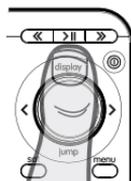
Press center button
(**SELECT** button)



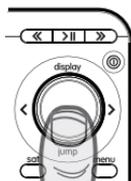
Toggle right



Toggle left



Toggle up



Toggle down

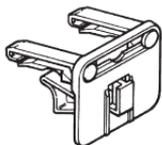
Vehicle Installation

! **IMPORTANT:** If your vehicle's audio system has an audio input or a cassette player the following instructions tell you how to install your MiRGE yourself. If your vehicle does not have an audio input or a cassette player, we strongly recommend that you have your MiRGE professionally installed.

If your vehicle requires professional installation you will need to use either the XM Sure Connect (sold separately) or the XM FM Direct adapter (sold separately).

Step 1: Decide on a Location for your Radio: Vent, Dashboard or Console?

You can use either the included vent mount or adhesive mount for your radio, depending on your particular situation.



Vent Mount

Adhesive Pad



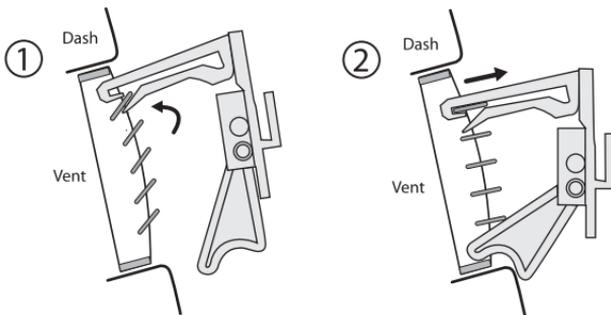
Adhesive Mount

Vehicle Installation

Installing the vent mount

- 1 Locate a vent with horizontal slats sturdy enough to hold the vehicle dock and radio.
- 2 Adjust the clamps to fit your vent.
- 3 Snap the mount onto the vent.

To remove, push the mount into the vent, then lift up.



Vehicle Installation

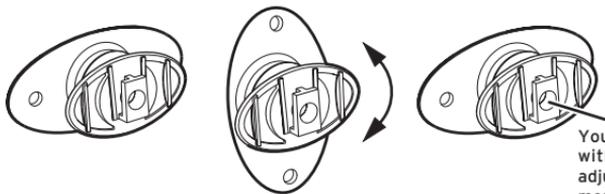
Installing the Adhesive Mount

! **CAUTION!** The adhesive used with the swivel mount may make it difficult to remove. Do not install this mount on leather surfaces and make sure the air temperature is at least 60°F (15°C).

- 1 Locate a flat surface for the mount. Make sure there is ample room for the vehicle dock and radio when installed.
- 2 Clean the surface with the alcohol pad and let it dry thoroughly.
- 3 Peel off the adhesive liner. Position, press, and hold the adhesive mount in place for 30 seconds.

! **IMPORTANT!** Let the adhesive cure for 2 - 3 hours before attaching the vehicle dock and radio to the mount.

- 4 Turn the swivel to accommodate the vehicle dock and radio. Adjust the tension via the center screw.

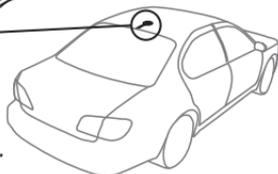
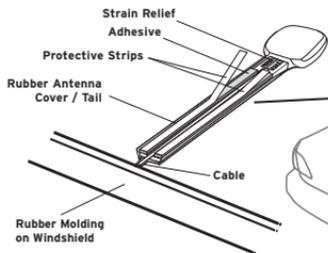


You can turn this screw with a screwdriver to adjust the tension of the mount.

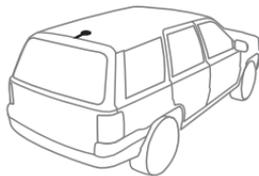
To remove the swivel mount, carefully lift the adhesive pad with your fingers or a spoon. Warming the pad with a hair dryer for several minutes will help soften the adhesive.

Step 2: Mounting the Interoperable Vehicle Antenna

- 1 **Mount the antenna on the outside of your vehicle, in a location that will always face the sky.** The antenna contains a strong magnet that will stick to any metal part of your vehicle. Leave at least 3" of metal around each side of the antenna. Use the rubber tail cover to hide and protect the exposed wire.



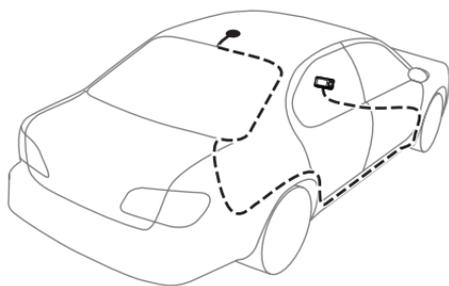
Sedan/Coupe



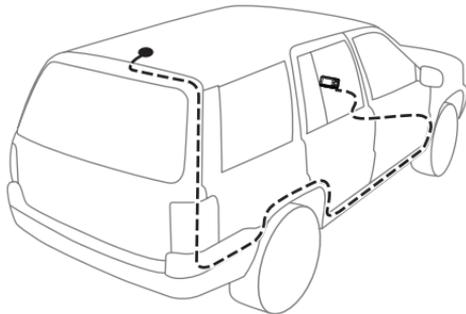
SUV/Minivan

Vehicle Installation

- 2 Route the antenna wire under the rubber molding around the back windshield, into the seal around the trunk.** Then route the wire along the trunk wall and into the cabin interior from there.
- 3 Hide the antenna wire inside the cabin.** The best way to hide the antenna wire depends on your vehicle. It's usually easiest to run the wire from the rear of the vehicle to the front (towards the radio) by routing it along the interior trim where it meets the carpet. Gently push the cable under the edges of the plastic trim all the way to the front of the cabin, then bring the cable out from the trim and route it under the carpet to the dashboard or console. Plug the antenna connector into the Vehicle Dock and coil any extra wire under the carpet or floor mat.



Sedan/Coupe



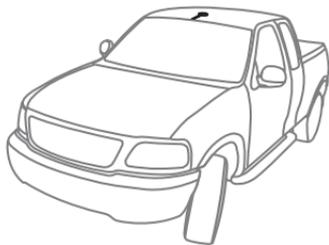
SUV/Minivan



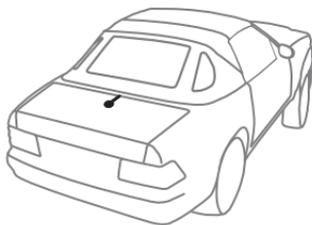
TIP! Always be careful to include enough slack in your wire to accommodate open doors or trunk lids. Use things typically found around the home, like electrical tape, to secure wires in areas so that hinges do not pinch the wire with the door. Hide any excess wire in the trim or under the carpet or a floor mat.

Antenna placement options for other types of vehicles:

- **Pickup Truck:** On the roof towards the front of the cab, above the front windshield, centered between the left and right sides.
- **Convertible:** On the trunk lid, at least 3" from any edge, centered between the left and right sides.



Pickup Truck



Convertible

Vehicle Installation

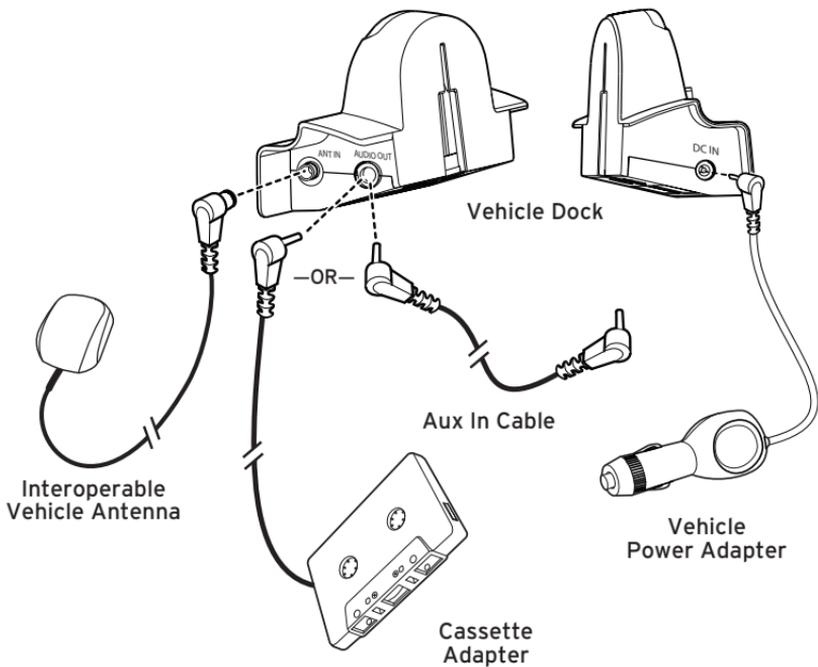
Step 3: Connect your MiRGE.

- 1 Plug the **Antenna** into the Vehicle Dock's **ANT IN** connection.
- 2 Plug the **Vehicle Power Adapter** into the Vehicle Dock's **DC IN** connection.
- 3 Plug one of the audio adapters into the Vehicle Dock's **AUDIO OUT** connection:
 - Use the **Aux In Cable** if your vehicle's audio system has an audio input.
 - Use the **Cassette Adapter** if your vehicle has a built-in cassette player.
- 4 Insert the Vehicle Dock into the **Vent Mount** or **Adhesive Mount**.
- 5 Insert your MiRGE into the Vehicle Dock.



NOTE! If your vehicle's audio system does not have a cassette player or an audio input, you will use either the XM SureConnect (sold separately) or the FM Direct adapter (sold separately). A professional installation is strongly recommended if you choose either of these methods. Professional installation can help improve your radio's reception and significantly reduce the visibility of wires. To learn more, go to xmradio.com/mirgeaccessories.

- **XM SureConnect** (sold separately): Lets you listen to your MiRGE through your vehicle's FM radio. Simply find an unused FM frequency on the FM radio and set your MiRGE to transmit on that same frequency. Refer to Find an FM frequency page 55 for more information.
- **XM FM Direct Adapter** (sold separately): Directly connects the MiRGE to your vehicle's FM radio via its antenna input.



Vehicle Installation

Step 4: Turn on your MiRGE and Test for Sound

- 1 Turn on your car radio.
- 2 Insert the **Cassette Adapter** or plug in the **Aux In Cable**.

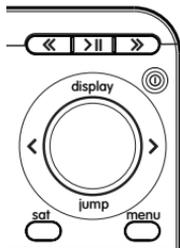


NOTE! If you are using the XM SureConnect or the XM FM Direct adapter, refer to *Turn the FM Modulator ON/OFF* on page 54 for more information.

- 3 Press the **Power button** to turn your MiRGE **ON**.



NOTE! You may experience a brief delay while your MiRGE powers up. If you press the **Power button** during this time, you will see a "Please Wait" message.



Activation

Activation

Before you can listen to any SIRIUS or XM channels, you must first activate your MiRGE.



NOTE! Make sure that SIRIUS is the active radio service by pressing the **SAT button**. See page 28.

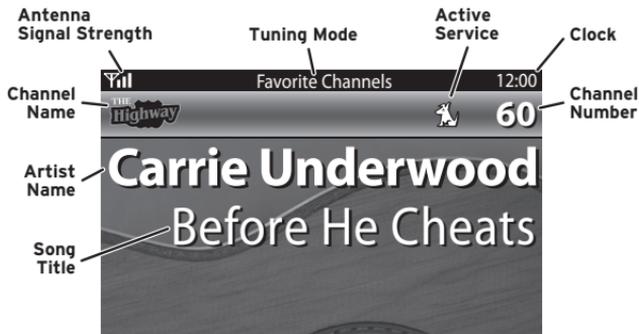
- 1 Make sure your MiRGE is properly installed and receiving the SIRIUS signal so that you can hear the audio on SIRIUS Channel 184.
- 2 Make a note of your radio's ID number. You can find it:
 - On Channel 0 on either SIRIUS or XM
 - On the rear package label
 - On the label on the back of your MiRGE
- 3 Activate your service:
 - Online: Go to www.sirius.com/MiRGE
 - OR**
 - By phone: call 1-888-539-SIRIUS (1-888-539-7474)
- 4 When your service is activated, your MiRGE will receive all SIRIUS and XM channels you've subscribed to. This usually takes 10 to 15 minutes, but may take up to an hour. Your radio must remain **ON** until activated.

Using your MiRGE

Using your MiRGE

Display Screen Information

Your SIRIUS XM MiRGE's display screen provides information about the operation of the radio, such as the currently tuned service and channel, the song or show being played, the artist's name, time and other information. This screen is referred to as the *Default Display* in this manual. The illustration below identifies the information shown on the default display when listening to a typical broadcast.



Whenever you power the MiRGE **ON**, the radio service and channel that were previously selected will automatically begin playing, and the currently-playing artist name and song title will be displayed.

Split-screen display mode

You can change the display to a split-screen mode that shows multiple channels simultaneously. This lets you see what else is playing. You can choose from:



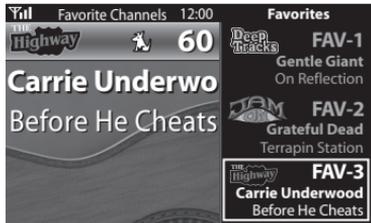
Split screen showing Channel List



Split screen showing Category List



Split screen showing Previous Channel



Split screen showing Favorite Channels

To cycle-through the different modes in Live, press the **DISPLAY** button.

Using your MiRGE

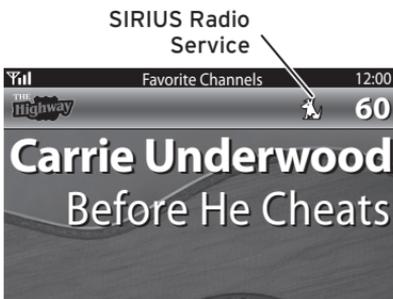


TIP! When in split screen with the Channel List, you can scroll through the list of channels, just like when it appears on the Default Display. Press < or > to change categories. Press the **SELECT** button to select a channel.

Listening to SIRIUS and XM

Selecting the radio service

- 1 The currently-active radio service logo is shown in the display's channel information bar.



- 2 Press the **SAT** button on the radio or remote to switch to the other radio service. The MiRGE will play the channel that was last tuned in that service.

Selecting a channel

- 1 Turn the **knob** (radio) or use the **UP/DOWN buttons** (remote) to scroll through the list of channels.
- 2 You'll see the channel's logo and current artist. In a few seconds, the current song title appears.
- 3 Press the **SELECT button** to select a channel.

SIRIUS		
 	The Police	15
	Yes	16
	Blues Traveler	17
	John Mellencamp	18
	Iron Maiden	19



TIP! You can configure the MiRGE to automatically tune to the channel you scroll to. Refer to page 34 for instructions.

Using your MiRGE

View a category

SIRIUS XM has organized its channels into categories to make it easier for you to find the ones you want.

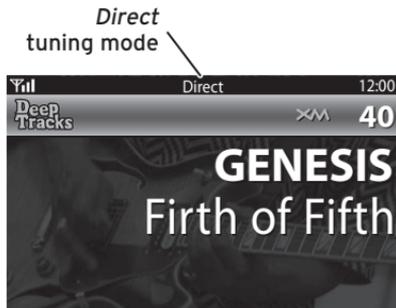
- 1 To view the different categories, press < or >.
- 2 Use the **knob** (radio) or **UP/DOWN buttons** (remote) to scroll through the current category's channels to find the channel you want.
- 3 Press the **SELECT button** to tune to the channel.



TIP! To briefly listen to each channel in the category, select **SCAN**, then press the **SELECT button**.

Direct channel entry

- 1 Be sure you are in the *Direct* tuning mode. Press the **Fav button** until **DIRECT** shows as the tuning mode.
- 2 Use the **Number buttons** to enter the channel number.



Jump to the previous channel

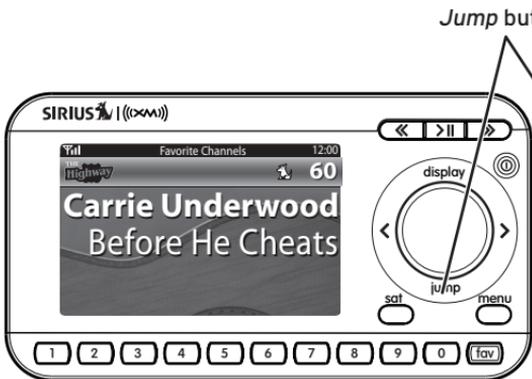
Press the **JUMP** button to listen to the previous channel you selected.



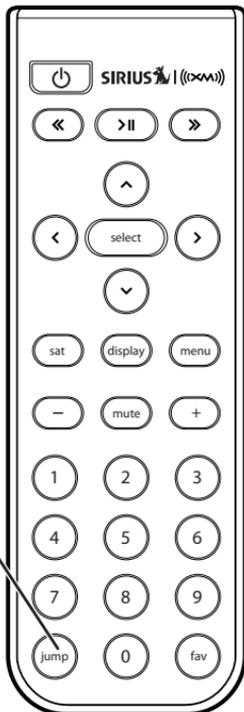
NOTE! The JUMP button only works within the active radio service.



TIP! You can view both the current and the previous channel at the same time. Refer to *Split-screen display mode* on page 27.



Jump button



Using your MiRGE

Set your favorite channels

You can assign up to 10 of your favorite channels in each satellite service to the number buttons so you can quickly access them.

To assign a favorite channel to a number button:

- 1 Tune to the desired channel.
- 2 Be sure you are in *Favorite Channels* mode. Press the **FAV button** until FAVORITE CHANNELS shows as the tuning mode.
- 3 Press and hold the **Number button** you want to use for that channel.

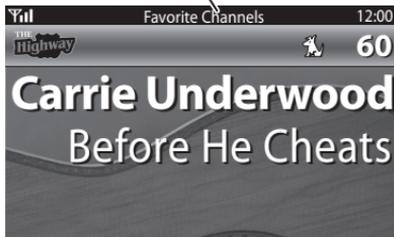
Favorite Channels
tuning mode



To listen to a Favorite channel:

- 1 Be sure you are in the *Favorite Channels* tuning mode. Press the **FAV** button until FAVORITE CHANNELS shows as the tuning mode.
- 2 Press the **Number** button where you assigned the desired channel.

Favorite Channels
tuning mode



NOTE! You can only select favorite channels within the active radio service in Live mode.



TIP! To see a list of your Favorite Channels, press < or >. To listen to a channel from the list, use the **knob** to highlight it and press the **SELECT** button.

Using your MiRGE

Automatically tune to a channel (*Direct Tuning*):

Usually, you press the **SELECT** button to tune to a channel. You can change this so that your MiRGE automatically tunes to a channel when it remains highlighted in the Channel List for longer than 3 seconds.

To activate Direct Tuning:

- 1** Press the **MENU** button.
- 2** Highlight **CHANNEL ACCESS**, and press the **SELECT** button.
- 3** Highlight **DIRECT TUNE**, and press the **SELECT** button.
- 4** Turn the **knob** until **DIRECT TUNE** is **ON**.
- 5** Press the **Select** button.

To disable Direct Tuning:

- 1 Press the **MENU button**.
- 2 Highlight **CHANNEL ACCESS**, and press the **SELECT button**.
- 3 Highlight **DIRECT TUNE**, and press the **SELECT button**.
- 4 Turn the **knob** until **DIRECT TUNE** is **OFF**.
- 5 Press the **SELECT button**.

Special Features

Special Features

60-Minute Replay Buffer

The MiRGE's 60-Minute Replay Buffer gives you the opportunity to “hear that again.” This feature applies to the current channel only. Changing channels or services, or turning your MiRGE **OFF** removes all tracks from the Replay Buffer.

Both split screen modes will display previously played tracks. In the Default Display mode you can turn the **knob** (radio) or use the **UP/DOWN buttons** (remote) to view the Replay List. You can scroll up and down the list by turning the **knob**. Press the **SELECT button** to make a selection. Older info is displayed at the bottom of the list.

To enter the Replay mode:

Press the **>||** or **<<** button.

To pause:

- 1 Press the **>||** button.
- 2 To resume play, press the **>||** button again.

To listen to the previous track:

- 1 Press the **<<** button to skip back to a previous track.



Current
Replay
Function

Time away
from live
broadcast

- 2 If the current track has been playing for longer than 5 seconds, it is played from its beginning. If the current track has been playing for less than 5 seconds, the previous track is played.
- 3 Press the **< button** to rewind within the song.



TIP! Press and hold the **<< button** for 3 seconds to skip to the first track.

To listen to the next track:

- 1 Press the **>> button** to skip to the next track.
- 2 Press and hold the **> button** to fast-forward within the song.



TIP! To return to the live broadcast, press and hold the **>> button** until "Live" appears.

Special Features

TuneSelect favorite artists and songs

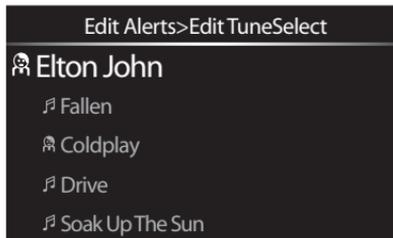
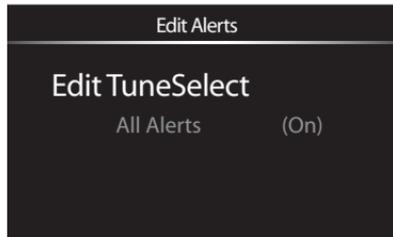
TuneSelect finds your favorite artist and song whenever they're being played on any channel of the currently-tuned service. MiRGE can track up to 20 of your favorite artists or songs.

- 1 When you hear a favorite artist or song, press and hold the **SELECT button** for 2 seconds.
- 2 To be notified when the song is played on any channel in the currently-tuned service, highlight **TUNESELECT SONG**. To be notified when the current artist is played on any channel in the currently-tuned service, highlight **TUNESELECT ARTIST**. Then press the **SELECT button**.
- 3 When an artist or song that you have TuneSelected plays on any channel of the currently-tuned service, you'll hear a special tone and see a message. To switch to that channel, press the **SELECT button**.



To remove an artist or song from your TuneSelect list:

- 1 Press the **MENU** button.
- 2 Highlight **EDIT ALERTS**, and press the **SELECT** button.
- 3 Highlight **EDIT TUNeselect**, and press the **SELECT** button.
- 4 Highlight the artist or song you want to remove from your TuneSelect list, and press the **SELECT** button.
- 5 Highlight **Do Not ALERT** to disable the alert for that artist or song. Press the **SELECT** button. Highlight **DELETE** to remove the artist or song from your list. Press the **SELECT** button.



Special Features



TIP! You can switch between **ALERT ON ARTIST** and **ALERT ON SONG** at the “Edit Alerts > Edit TuneSelect” sub menu:

- To *Alert On* an artist name, select a song title and choose **ALERT ON ARTIST**. Press the **SELECT button**.
- To *Alert On* a song title, select an artist name and choose **ALERT ON SONG**. Press the **SELECT button**.



TIP! You can also TuneSelect artists and songs while in the Replay mode. See page 38.

Get stock quotes

You can track the price and daily movement for up to 20 of your favorite stock symbols.



NOTE! Information about most stocks and indices listed on the NYSE, AMEX, or NASDAQ is available. Market information is delayed approximately 25 minutes. Stock data provided by ComStock, Inc.

- 1 Press the **MENU button**.
- 2 Highlight **INFO EXTRAS**, and press the **SELECT button**.
- 3 Highlight **STOCKS**, and press the **SELECT button**.
- 4 If you already have stocks in your list, highlight **Add Stock** and press the **SELECT button**. If not, then this step will be skipped for you.
- 5 Turn the **knob** to display the letters for the stock symbol. Press the **SELECT button** after each letter.

Special Features



TIP! Your MiRGE will help you complete the symbols for more than 9,000 regularly-traded stocks.

- 6 When you're finished, press the **<** or **Menu button**.

To remove a stock:

- 1 Press the **MENU button**.
- 2 Highlight **INFO EXTRAS**, and press the **SELECT button**.
- 3 Highlight **Stocks**, and press the **SELECT button**.
- 4 Highlight **ERASE STOCKS**, and press the **SELECT button**.
- 5 Highlight the stock you want to remove from your list, and press the **SELECT button**.
- 6 Highlight **Yes**, and press the **SELECT button**.



TIP! To remove your entire stock list, highlight **ERASE ALL STOCKS**, press the **SELECT button**, highlight **Yes**, and press the **SELECT button**.

Info Extras>Stocks>AddStocks

Rotate Knob for Stock Symbol

Stock

Get sports scores

You can select up to 50 of your favorite sports and teams; you can view their scores and stats at any time.

- 1 Press the **MENU button**.
- 2 Select Info Extras, and press the **SELECT button**.
- 3 Select Sports, and press the **SELECT button**.
- 4 Select a favorite sport, and press the **SELECT button**.
- 5 If your favorite sport is played by teams, select your favorite team, and press the **SELECT button**.
- 6 A check mark appears next to sports/teams you have selected.



To remove a sport or team from your list:

- 1 Press the **MENU button**.
- 2 Select Info Extras, and press the **SELECT button**.
- 3 Select Sports, and press the **SELECT button**.
- 4 Select the sport (or team's sport) to be removed and press the **SELECT button**.
- 5 If applicable, select the team to be removed, and press the **SELECT button**.

To see your stock quotes or sports scores:

- 1 Press the **MENU button**.
- 2 Highlight **CHANGE DISPLAY**, and press the **SELECT button**.
- 3 Highlight **DISPLAY APPEARANCE**, and press the **SELECT button**.
- 4 Highlight **DISPLAY**, and press the **SELECT button**.
- 5 Rotate the **knob** until "Stock" or "Sports" appears, and press the **Select button**. The stock ticker will scroll across the screen.
- 6 Press the **<** or **Menu button** when you're finished.



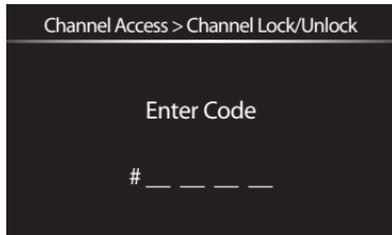
Special Features

Locking and unlocking channels

The MiRGE lets you lock channels you do not want others (such as children) to access without your permission. Locked channels will not appear on the Channel List screen, the Category List screen or on the Previous Channel screen. When anyone tries to access a locked channel using Direct Channel Entry (see page 30), the screen will display a *Channel Locked* popup for 3 seconds and the MiRGE will return to the currently-tuned channel.

To lock a channel:

- 1 Press the **MENU button**.
- 2 Highlight **CHANNEL ACCESS**, then press the **SELECT button**.
- 3 Highlight **CHANNEL LOCK/UNLOCK**, then press the **SELECT button**. The **ENTER CODE** screen is displayed.
- 4 Use the **Number buttons** to enter a 4-digit code and press the **SELECT button**. The first time you access the **ENTER CODE** screen you will have to re-confirm the code before proceeding.

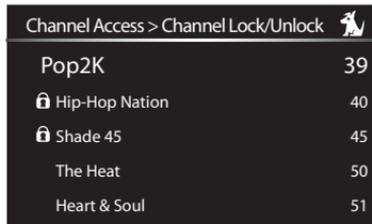


NOTE! Be sure to remember your 4-digit code number. If you forget it, call SIRIUS XM Customer Service for help.

- 5 The SIRIUS CHANNELS / XM CHANNELS / ALL EXPLICIT CHANNELS (LOCK) screen appears. Highlight and select **SIRIUS CHANNELS** or **XM CHANNELS** to lock/unlock individual channels on the two services.



- 6 The screen will show a list with every channel available on the selected service. Use the **knob** (radio) or **UP/DOWN buttons** (remote) to highlight the channels you want to lock or unlock.



- 7 To lock a channel, press the **SELECT button** when it is highlighted. A lock icon will appear to the left of the channel name. If the channel is already locked, pressing the **SELECT button** when it is highlighted will unlock it. The lock icon next to the channel name will disappear.

Special Features

- 8 ALL EXPLICIT CHANNELS:** This option locks (or unlocks) all channels that SIRIUS XM Radio advises contain explicit language and/or graphic content. (Explicit SIRIUS channels can be found at www.sirius.com/mature; explicit XM channels are marked with an **XL** in their channel names.)

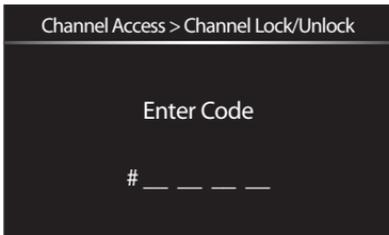
Turn the **knob** to display **Lock**, then press the **SELECT button**. To unlock the explicit channels, turn the **knob** to display **UNLOCK**, then press the **SELECT button**.

-  **NOTE!** If you select **ALL EXPLICIT CHANNELS (LOCK)** you can still lock individual channels in either the SIRIUS or XM service, as explained in steps 5 - 7 on page 49. Locked explicit channels will not appear in the individual channel lists.
- 9** If you lock a channel that has been saved as a favorite channel (see page 32) it will be cleared and that number button entry will be empty.

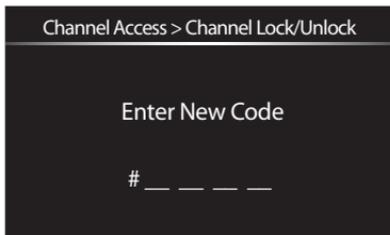
Changing the Lock Code

Once you have set the Lock Code you can change it.

- 1 Press the **MENU button**.
- 2 Highlight **CHANNEL ACCESS**, then press the **SELECT button**.
- 3 Highlight **EDIT CODE**, then press the **SELECT button**. The **ENTER CODE** screen is displayed.



- 4 Use the **Number buttons** to enter your current 4-digit lock code, then press the **SELECT button**. The **ENTER NEW CODE** screen appears.
- 5 Use the **Number buttons** to enter your new 4-digit code, then press the **Select button**. You will be prompted to confirm the new code.
- 6 Re-enter the new 4-digit code. A **CODE SAVED** screen will be displayed.



Configuring your MiRGE

Configuring your MiRGE

Turning the FM modulator ON/OFF

(For use with XM SureConnect or XM FM Direct adapter.)

If you are using the XM SureConnect or XM FM Direct Adapter to transmit audio to your car audio system, you must turn the FM Modulator **ON** and set the FM frequency on both your MiRGE and your car radio.

1 Press the **MENU button**.

2 Highlight **VEHICLE MODE**, and press the **SELECT button**. The **VEHICLE MODE** screen will appear.

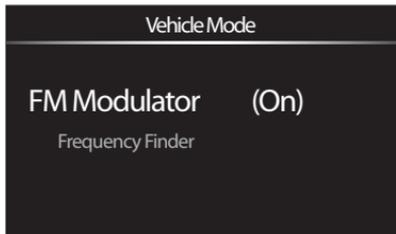
3 Highlight **FM MODULATOR**, and press the **SELECT button**.

4 Turn the knob until **ON** appears, and press the **SELECT button**.

5 Your MiRGE automatically scans for all available FM frequencies and shows you a list.

6 Use the **knob** (radio) or **UP/DOWN buttons** (remote) to locate a suitable FM frequency from the list and press the **SELECT button**.

7 Set your car radio to the frequency you selected.





TIP! The best FM frequency to use is displayed at the top of the list. We recommend choosing that frequency. If you are not satisfied with the sound quality, select a different FM frequency from the list (or select **VIEW ALL FREQUENCIES** to see 100 frequencies), press the **SELECT button**, and tune your car stereo to that frequency.

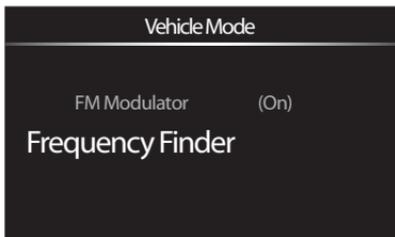
Finding an FM frequency

If necessary, you can have your MiRGE search for FM frequencies at any time.

- 1 With the FM Modulator set to **ON**, press and hold **jump** for two seconds.
- 2 Your MiRGE automatically scans for available FM frequencies.
- 3 Locate a suitable FM frequency from the list and press the **SELECT button**.
- 4 Set your car radio to the frequency selected.

OR

- 1 Press the **Menu button**.
- 2 Highlight **VEHICLE MODE**, and press the **SELECT button**.
- 3 With the FM Modulator **ON**, highlight **FREQUENCY FINDER** and press the **Select button**.



Configuring your MiRGE

- 4 Your MiRGE automatically scans for and shows you a list of available FM frequencies.
- 5 Use the **knob** (radio) or **UP/DOWN** buttons (remote) to locate a suitable FM frequency from the list and press the **SELECT** button.
- 6 Set your car radio to the frequency you selected.



Setting the Line Out level

To connect the MiRGE Vehicle Dock's Audio Out jack directly to your car's audio system to transmit audio, you can:

- Use the included cassette adapter
- Use your car stereo's audio input (labeled "Aux In", or similar)

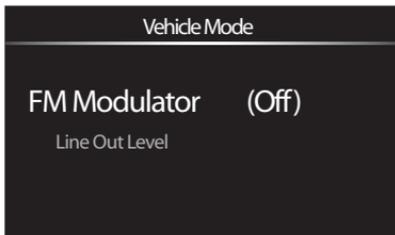
Either of these methods will give you the best audio quality. When using either of these methods you can adjust the MiRGE's audio level to match the level of the other sources in your car audio system.

- 1 Press the **MENU button**.
- 2 Highlight **VEHICLE MODE**, and press the **SELECT button**.
- 3 Highlight **LINE OUT LEVEL**, and press the **SELECT button**.



NOTE! **LINE OUT LEVEL** is available only when the **FM Modulator** is turned **OFF**.

- 4 Turn the **knob** to increase or decrease the audio level.
- 5 Press the **SELECT button**.



Configuring your MiRGE



NOTE! Do not use the Line Out Level function as a volume control; use your car stereo's volume control instead. Line Out Level is used to adjust the volume level to match other audio sources (your CD player, other FM stations, or an MP3 player).



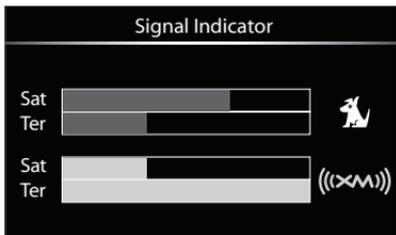
TIP! If using your MiRGE in a home stand (sold separately) or sound system (sold separately), press the **MENU button**, then select **LINE OUT LEVEL**.

Aiming the antenna for best reception

For best reception, your MiRGE's antenna should have a 360-degree unobstructed view of the sky. In large cities there are networks of ground repeaters to help increase the signal coverage.

Your MiRGE can help you aim the antenna for best reception.

- 1 Press the **MENU button**.
- 2 Highlight **SIGNAL INDICATOR**, and press the **SELECT button**. The **SIGNAL INDICATOR** screen will appear.



- 3 The *blue* bars indicate the SIRIUS signal strength; the *yellow* bars indicate the XM signal strength. The **SAT** bars indicate the strength of the signal currently being received from the satellites; the **TER** bars indicate the strength of the signal currently being received from any ground repeaters.
- 4 If you are having trouble getting a strong signal, change the antenna's orientation or location to maximize the length of the **SAT** bars.
- 5 Press the **SELECT button** when you're finished.

Configuring your MiRGE

Display Settings

To change the display's brightness and backlight timer:

- 1 Press the **MENU Button**.
- 2 Highlight **CHANGE DISPLAY**, and press the **SELECT button**.
- 3 Highlight **DISPLAY SETTINGS**, and press the **SELECT button**.
- 4 You can change:
 - **Brightness:** Highlight **BRIGHTNESS** and press the **SELECT button**. Turn the **knob** to adjust the brightness. Press the **SELECT button** when you're finished.
 - **Backlight:** Highlight **BACKLIGHT** and press the **SELECT button**. Turn the knob to highlight the desired timer setting for the backlight (*Always On, 1 Minute, 30 seconds, 15 seconds*). Press the **SELECT button** when you're finished.

Display appearance

At times, weather can negatively affect the visual quality of scrolling text. By default, Stock information scrolls and Sport information pages.



NOTE! Stock and sports information will be displayed as long as one either the SIRIUS or XM service is activated.

- 1 Press the **MENU button**.
- 2 Highlight **CHANGE DISPLAY**, and press the **SELECT button**.
- 3 Highlight **DISPLAY APPEARANCE**, and press the **SELECT button**.
 - **Stocks** - Select **STOCKS**, and press the **SELECT button**. Highlight either **SCROLLING** (the stock ticker will scroll across the screen) or **PAGING** (stock information will appear one page at a time). Press the **SELECT button** when you're finished.
 - **Sports** - Highlight **SPORTS**, and press the **SELECT button**. Highlight either **SCROLLING** (scores will scroll across the screen) or **PAGING** (scores will appear one page at a time). Press the **SELECT button** when you're finished.

Configuring your MiRGE

Setting the time

The actual time is provided by the satellite signal. You can set the time zone where you reside, whether your area observes Daylight Savings Time, and the clock's format.

To set your time zone:

- 1 Press the **MENU button**.
- 2 Highlight **SET TIME** and press the **SELECT button**.
- 3 Highlight **SET CLOCK** and press the **SELECT button**.
- 4 Highlight **Select TIME ZONE** and press the **SELECT button**.
- 5 Turn the knob to highlight your time zone and press the **SELECT button**.

To set Daylight Savings Time to AUTO or OFF:

- 1 Press the **MENU button**.
- 2 Highlight **SET TIME** and press the **SELECT button**.
- 3 Highlight **SET CLOCK** and press the **SELECT button**.
- 4 Highlight **DAYLIGHT SAVINGS** and press the **SELECT button**.

- 5 Turn the knob to highlight **Auto** if your area observes Daylight Savings Time, or to highlight **Off** if your area does not observe Daylight Savings Time.
- 6 Press the **SELECT button**.

To change the format of the time:

- 1 Press the **MENU button**.
- 2 Highlight **SET TIME** and press the **SELECT button**.
- 3 Highlight **SET CLOCK** and press the **SELECT button**.
- 4 Highlight **Hour Mode** and press the **SELECT button**.
- 5 Highlight **12** to display the time using a standard 12-hour clock, or highlight **24** to display the time using a 24-hour (military) clock
- 6 Press the **SELECT button**.

Configuring your MiRGE

Automatic power

Usually, your MiRGE turns on automatically when it is plugged-in and receiving power. You can change this so you must manually turn the radio on/off each time.

- 1 Press the **MENU button**.
- 2 Highlight **SET TIME** and press the **SELECT button**.
- 3 Highlight **AUTOMATIC POWER** and press the **SELECT button**.
- 4 Turn the knob to highlight **ON** to have your radio turn on automatically when it is plugged in, or to highlight **OFF** to turn your radio on manually after it is plugged in.
- 5 Press the **SELECT button**.

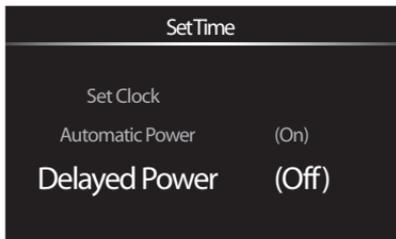


TIP! When the MiRGE is in the Vehicle Dock, the remote will not be able to turn it on.

Delayed power

This option is useful if you leave your MiRGE in the Vehicle Dock and your vehicle's cigarette lighter is always powered.

- 1 Press the **MENU button**.
- 2 Highlight **SET TIME** and press the **SELECT button**. The **SET TIME** screen appears.
- 3 Highlight **DELAYED POWER** and press the **SELECT button**. Turn the **knob** to display the amount of time (60, 90, 120, or 180 minutes) that should pass before the MiRGE turns **OFF** automatically.
- 4 Press the **SELECT button**.



Configuring your MiRGE

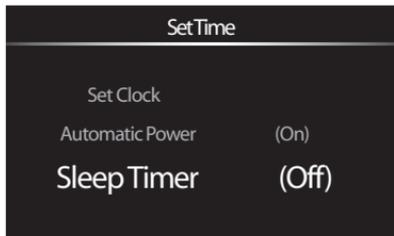
Sleep timer

Your MiRGE has a sleep timer that can automatically shut off the unit after a period of time. The sleep timer is set to OFF at the factory, but you can set it for 15, 30, 45, or 60 minutes.



NOTE! The Sleep Timer is available only when you're using the MiRGE with the home stand and sound systems (sold separately).

- 1 Press the **MENU button**.
- 2 Highlight **SET TIME**, and press the **SELECT button**.
- 3 Highlight **SLEEP TIMER**, and press the **SELECT button**.
- 4 Turn the **knob** to display the amount of time (15, 30, 45, or 60 minutes) that should pass before the radio automatically turns off.
- 5 Press the **SELECT button**.



Factory defaults

You can clear all of your personal settings (such as Favorite Channels, Tune-Select and Stock information) and return the radio to its out-of-the-box state.

- 1 Press the **Menu button**.
- 2 Highlight **FACTORY DEFAULTS**, and press the **Select button**.
- 3 Select **Yes** to clear your personal settings or select **No** to keep your personal settings.



NOTE! The Factory Defaults procedure does not reset your Channel Lock code (see pages 48 - 51).

Troubleshooting

Troubleshooting

The MiRGE has been designed and built to be trouble-free but if you experience a problem, try this:

- Check that all connections are firm and secure.
- Make sure the vehicle's cigarette lighter/auxiliary power socket is clean and free of corrosion.
- If you are using MiRGE in a vehicle, check the car power adapter fuse by unscrewing the ribbed end of the adapter. If required, replace the fuse with a 2-amp fuse only.

If you see this on the screen:	Try this
Acquiring signal	Make sure the antenna is properly mounted outside of the vehicle. Move the antenna away from any obstructed areas. For example, if you are parked in an underground garage, you should receive a signal after leaving the garage. If you are using the MiRGE at home, the antenna should have a 360-degree unobstructed view of the entire sky.
Check Antenna	Make sure that the antenna cable is firmly and securely plugged into the cradle. Make sure the cable is not bent or broken. Turn the MiRGE OFF, then ON, to reset this message.
Channel Unavailable	The channel you've selected is no longer available. Tune to another channel.

If you see this on the screen:	Try this
Channel Off Air (XM only)	The XM channel you've selected is not currently broadcasting. Tune to another channel.
Loading	Your MiRGE is acquiring audio or program information from the satellite signal. This message usually goes away in a few seconds.
SIRIUS Updating (SIRIUS only)	SIRIUS XM is updating your MiRGE with the latest SIRIUS firmware. Wait until the update is done.
Updating Channels xx% Complete (SIRIUS only)	SIRIUS XM is updating your SIRIUS channel list. Wait until the update is done.
Subscription Updated Press Any Key To Continue (SIRIUS only)	Your SIRIUS subscription has been updated. Press any button to continue listening.
Channel Unauthorized	The channel you've selected is not part of your current SIRIUS or XM subscription. Call 1-888-539-7474 to subscribe.
-	No program information, such as artist name, song title, or channel exists.
If this happens:	Try this
MiRGE shuts off unexpectedly	If the Delayed Power or Sleep Timer are activated, the MiRGE will turn off after the selected length of time. Turn off the Delayed Power or Sleep Timer feature (see pages 65 - 66).
You do not receive all the SIRIUS or XM channels you subscribed to	If you have not yet activated your SIRIUS XM subscription, refer to <i>Activation</i> on page 23.

Troubleshooting

If this happens:	Try this
No audio	Check all cables between the MiRGE and your audio system for a firm and secure connection.
No song title or artist name is displayed	The information may not be available, or updates may be in progress.
No audio when listening via an FM radio	Check that your MiRGE and your car radio are tuned to the same FM frequency. See <i>Finding an FM frequency</i> , on page 55.
Audio fades or has static when listening	Check all cables for a firm and secure connection. If the problem persists, it might be interference from another FM channel. See <i>Finding an FM Frequency</i> on page 55 when using the XM SureConnect (sold separately) or the XM FM Direct adapter (sold separately).
Audio sounds too quiet	Raise or lower the FM audio level until the sound quality improves. See <i>Setting the Line Out level</i> , on page 57.
Traffic and Weather channels sound different from other channels	These channels use a different audio technology than the other channels so they often sound different from other channels.
The sales demo is playing	Your antenna is not properly connected or you are not receiving the SIRIUS XM signal. Check that the antenna is connected properly and its view of the SIRIUS and XM satellites is not obstructed.

Product Specifications

Product Specifications

Dimensions

MiRGE	115 mm (W) X 63 mm (H) X 20 mm (D) 4.5 in (W) X 2.5 in (H) X 0.78 in (D)
Remote	40 mm (W) X 119 mm (H) X 15.4 mm (D) 1.5 in (W) X 4.7 in (H) X 0.6 in (D)

Weight

MiRGE	133 g (4.7 oz)
Remote	60 g (2.1 oz)

Audio Outputs

3.5 mm diameter mini stereo jack

External Power

Voltage	5V DC
Current	2000 mA
Polarity	--⊖+

Remote Battery

Type	CR2032
Voltage	3 V

Model Number

MiRGE	SXMIR1
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Patent & Environmental Information

Patent Information

It is prohibited to, and you agree that you will not, copy, decompile, disassemble, reverse engineer, hack, manipulate, or otherwise access and/or make available any technology incorporated in receivers compatible with the SIRIUS XM Satellite Radio system. Furthermore, the AMBE® voice compression software included in this product is protected by intellectual property rights including patent rights, copyrights, and trade secrets of Digital Voice Systems, Inc. The software is licensed solely for use within this product. The music, talk, news, entertainment, data, and other content on the Services are protected by copyright and other intellectual property laws and all ownership rights remain with the respective content and data service providers. You are prohibited from any export of the content and/or data (or derivative thereof) except in compliance with applicable export laws, rules and regulations. The user of this or any other software contained in a SIRIUS XM Radio is explicitly prohibited from attempting to copy, decompile, reverse engineer, hack, manipulate or disassemble the object code, or in any other way convert the object code into human-readable form.

Portions of the software on this radio are licensed under the eCos License. Distribution of eCos requires that the eCos source code be made available to SIRIUS XM Radio customers. The eCos License and eCos source code are available to the public at <http://www.sirius.com/ecoslicense>.

Patent & Environmental Information

SIRIUS XM Radio reserves all rights to all radio software not covered under the eCos license. This includes all portions of radio software that were not distributed to SIRIUS as part of the eCos operating system.

Environmental Information

Follow local guidelines for waste disposal when discarding packaging and electronic appliances.

Your Satellite Radio receiver is packaged with cardboard, polyethylene, etc., and does not contain any unnecessary materials.

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FCC Statement

The user is cautioned that changes or modifications not expressly approved by SIRIUS XM Satellite Radio Inc. can void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the installation instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna of the affected receiver.
- Increase the separation between the SIRIUS XM equipment and the affected receiver.
- Connect the SIRIUS XM equipment into an outlet on a circuit different from that to which the affected receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING! The FCC and FAA have not certified this Satellite Radio Receiver for use in any aircraft (neither portable nor permanent installation). Therefore, SIRIUS XM Satellite Radio cannot support this type of application or installation

Owner's Record

The model number is located below and the serial number is located on the label on the back of the MiRGE.

Record the serial number in the space provided below. Refer to these numbers whenever you call your dealer regarding this product.

Model No.: SXMIR1

Serial No.: _____



SIRIUS XM Radio

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