

EXHIBIT A

(FCC Ref. 2.1033(b)(5))

"Installation and Operating Instructions
Furnished to the User"

RCA

Lyra Wireless User's Guide

Changing Entertainment. Again.



RD900W

FCC ID: G95REM003
Marstech Report No. 22287D
EXHIBIT A(1)

Important Information

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

WARNING

RISK OF ELECTRIC SHOCK DO NOT OPEN

To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Product Registration

Please fill out the product registration card (packed separately) and return it immediately or register on-line at rca.com. Registering allows us to contact you if needed.

Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. The numbers are located on the back of the product.

Model No. _____

Serial No. _____

Purchase Date: _____

Dealer/Address/Phone: _____

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Chapter 1: Connections and Setup

Things to Consider Before You Connect

Protect Against Power Surges

- Connect all components before you plug any of their power cords into the wall outlet.
- Turn off all components before you connect or disconnect any cables.

Protect Components from Overheating

- Don't block ventilation holes on any of the components. Arrange the components so that air can circulate freely.
- Don't stack components.
- When you place components in a stand, make sure you allow adequate ventilation.
- If you connect an audio receiver or amplifier, place it on the top shelf so the heated air from it won't flow around other components.

Position Cables Properly to Avoid Audio Interference

- Insert each cable firmly into the designated jack.
- If you place components above the TV, route all cables down the side of the back of the TV instead of straight down the middle of the back of the TV.

Connection Pictures

Audio cables are usually bundled together. For better visibility, the connection pictures in this book show each cable separately (audio left, audio right, and video).

Chapter 1: Connections and Setup

Audio System Requirements

- Audio receiver with auxiliary inputs (line level) or other component with audio inputs (TV, VCR, etc.).

Computer System Requirements

Windows® PC Requirements

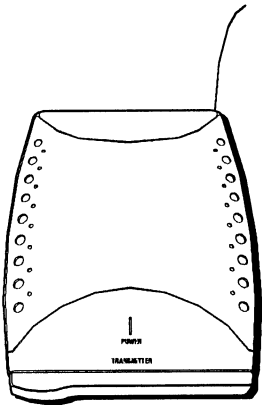
- Pentium 300MHz or higher
- Windows® 98SE, Me, 2000, or XP
- Microsoft Internet Explorer 5.0 or higher
- Internet access
- 50MB free hard disk space
- 400MB for MusicMatch Juke Box Radio MX feature (recommended)
- 96MB RAM (32MB for Win98)
- CD-ROM drive capable of digital audio extraction
- Available USB port
- 16-bit color video card

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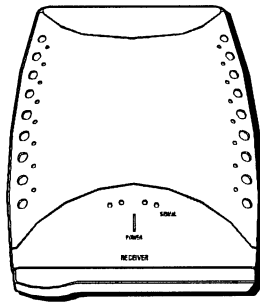
Chapter 1: Connections and Setup

Unpack the box and check your parts

All of the items shown below should have come packed in the box with your Lyra Wireless.



Lyra Wireless Transmitter



Lyra Wireless Receiver

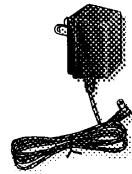


Remote control and batteries



Music Management CD

Contains the Lyra Wireless remote control software and MusicMatch software (for Windows only)



Larger power supply for transmitter unit

Part number: 5-4146



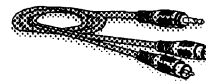
Smaller power supply for receiver unit

Part number: 5-4147



Mini-B USB cable

Part number: 5-4140

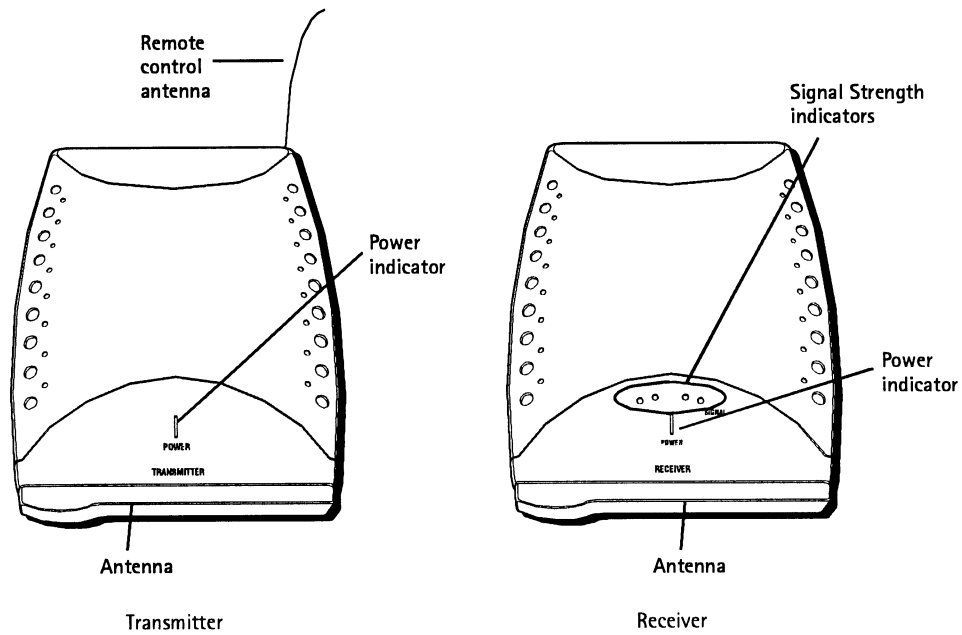


Line out cable

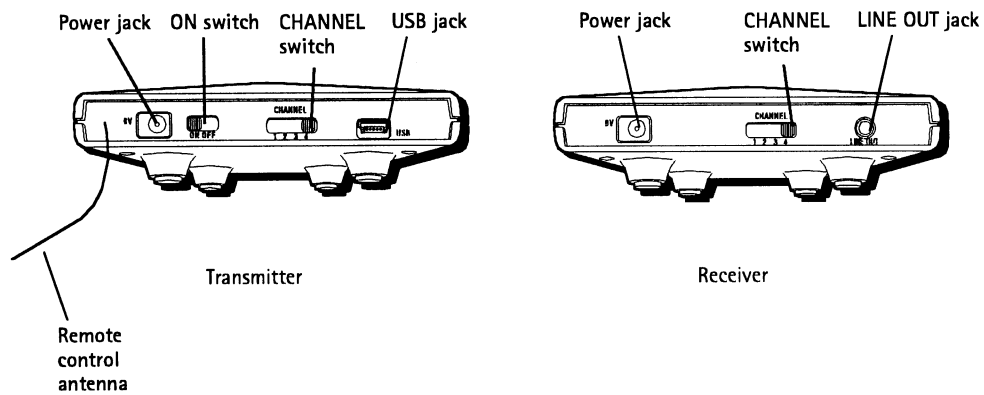
Part number: 5-4138

Chapter 1: Connections and Setup

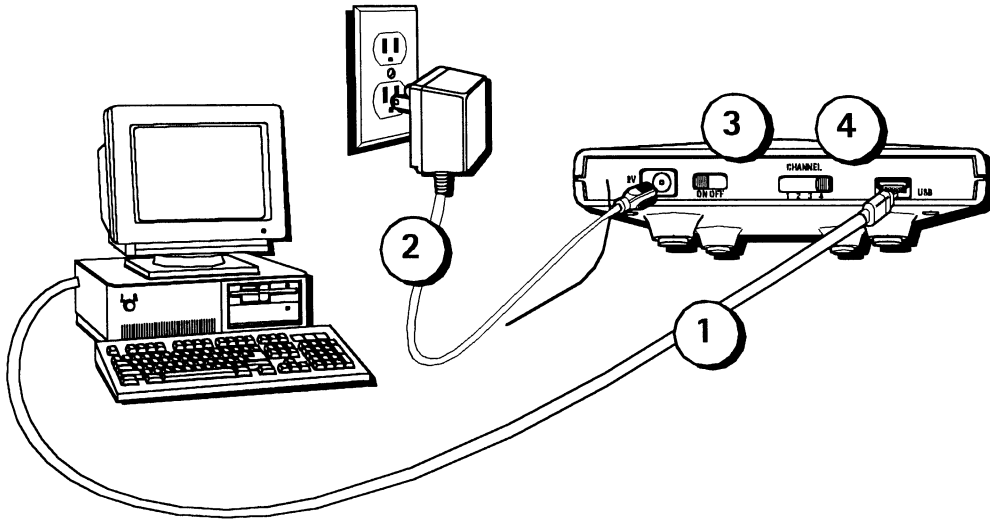
Front of the Lyra Wireless Units



Back of the Lyra Wireless Units



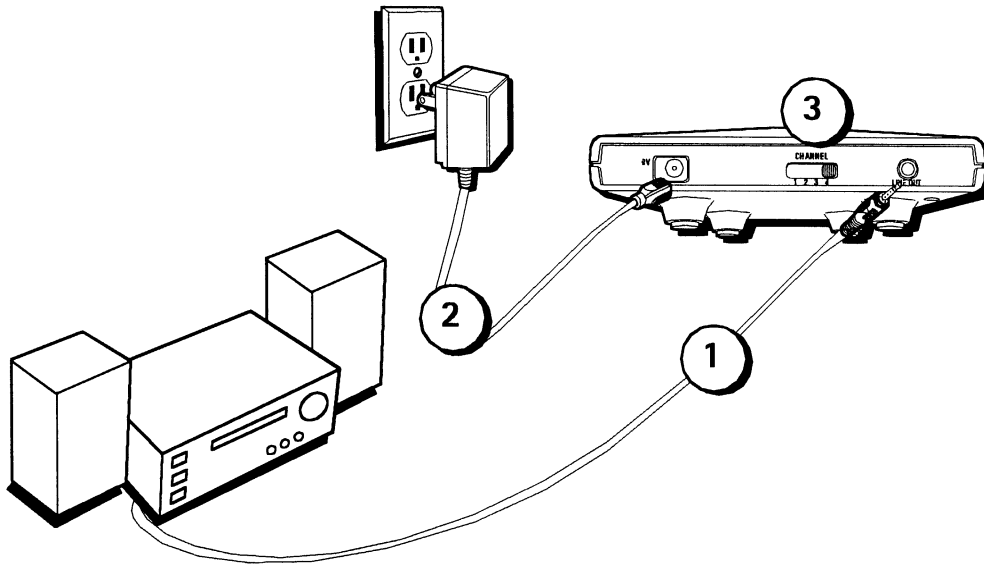
Chapter 1: Connections and Setup



Connecting the Lyra Wireless Transmitter to your Computer

1. Connect the small end of the USB cable to the USB jack on the back of the Lyra Wireless transmitter and the other end to the USB jack on your computer.
2. Connect the small end of the large power supply to the power jack on the back of the Lyra Wireless transmitter and the other end into an AC outlet.
3. Make sure the ON switch is set to ON (the power indicator comes on).
4. Make sure the CHANNEL switch is set to the same channel as the CHANNEL switch on the Lyra Wireless receiver.
5. Raise the antenna on the front of the unit so that it is straight up.
6. Position the transmitter so that it is facing in the general direction of the receiver.
7. Follow the steps on the next page to connect the Lyra Wireless receiver to your audio receiver.

Chapter 1: Connections and Setup



Connecting the Lyra Wireless Receiver to your Audio Receiver

1. Connect the small end of the audio cable to the LINE OUT jack on the back of the Lyra Wireless receiver and the other ends (the red and white plugs) to the Audio Input jacks (sometimes labeled Aux or Line) on your audio receiver. Also, make sure to put your audio receiver in the right mode to receive the sound from those jacks.
2. Connect the small end of the small power supply to the power jack on the back of the Lyra Wireless receiver and the other end into an AC outlet.
3. Make sure the CHANNEL switch is set to the same channel as the CHANNEL switch on the Lyra Wireless transmitter.
4. Raise the antenna on the front of the unit so that it is straight up.
5. Position the receiver so that it is facing in the general direction of the transmitter.

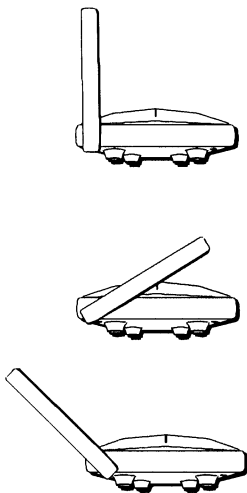
Chapter 1: Connections and Setup

Improving Performance

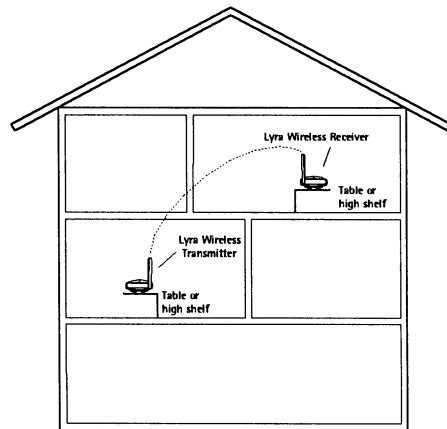
Orientation of the Antennas

Proper orientation of the antennas is important for good performance. You may find that the system works better with one or more of the antennas in the horizontal (flat) position. The receiver and transmitter tend to operate better in high locations, where the signal path is wider and stronger (on a shelf, for example). Watch the receiver signal strength indicators for indication of signal strength.

You may also need to experiment with the position of the remote control antenna on the transmitter unit. See what position works the best for the remote control.



The Lyra Wireless transmitter and receiver antennas can rotate to multiple positions. You may want to try several different angles for the best reception.



The Lyra Wireless system can transmit through walls and floors (up to 100 ft.).

Fine Tuning the Lyra Wireless

To get the best signal reception, the Lyra Wireless units should face each other using an imaginary "line of sight." You can place the transmitter and receiver in separate rooms, or even separate floors of your house, so you don't have to worry about the units being close to each other. Other barriers in your house may affect the signal, so you may need to adjust the positions of the transmitter and receiver somewhat.

If the transmitter is sending the signal to the receiver properly, you should see some of the receiver's signal strength meter indicators light up.

If there is no signal at all

Make sure the CHANNEL switch on the back of both units is set to the same number.

Chapter 1: Connections and Setup

If the signal is weak or there is interference

Try changing the channel on both units. Make sure the CHANNEL switch is set to the same channel on both units.

Avoiding Interference

Cordless Phone and Baby Monitor Interference

The transmitter and receiver have 4 RF channels to choose from, but if you have a 900Mhz cordless phone or baby monitor, you should pick a channel that doesn't interfere with the frequency the phone/monitor transmits on. Channel 4 is typically the channel with the least interference with telephones and baby monitors. If you have interference, leave your cordless phone or monitor on, then switch to a channel on both Lyra Wireless units that is clear.

Chapter 2: MusicMatch and the Lyra Wireless

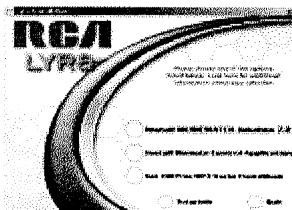
Install the software on your computer

In order to play music through the Lyra Wireless system, you need to install some software first. The Music Management CD that came with your Lyra Wireless contains all of the necessary software components you need. These components do the following:

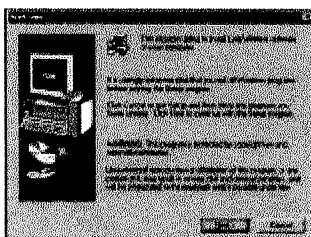
- use the MusicMatch Jukebox software to organize your music collection and play it through the Lyra Wireless system
- enable you to use the remote control for easier navigation through MusicMatch

The MusicMatch Jukebox™ software compresses audio files (from music CDs) to the MP3 format so you can play them through the Lyra Wireless system. The MusicMatch software also enables you to play music from internet radio.

1. Turn on your computer and place the Music Management CD that came with your Lyra Wireless into your computer.
2. If the setup screen does not appear, double click *My Computer*, double click your CD-ROM drive icon, and double click *install.exe*. You can also click, *Run*, then type D:\install.exe (where D is the letter of your CD-ROM drive). (The Lyra Wireless Quick Start screen appears.)



The Lyra Wireless Quick Start screen.



The Lyra Wireless Setup screen.

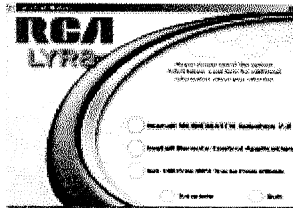


3. Click *Install Remote Control Application* to install the Lyra Wireless remote control application.
4. When the RCA Lyra Wireless Setup screen appears, click *Next* to begin setup.
5. Read the License Agreement and click *Yes* to continue the installation.
6. Click *Next* to select the destination location of the installed files.
7. Click *Next* to install all necessary files.
8. Click *Finish* to complete Lyra Wireless remote control software installation.

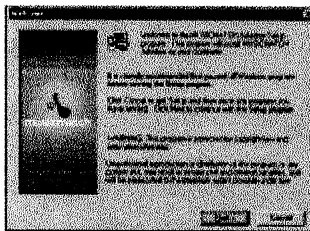
Notes:

- If you're running Windows 98SE, you may need to install several different system software components. Don't cancel setup before it says it is finished. Also, your computer may reboot itself between installation of the software components.
- If you're re-installing the Lyra Wireless remote control software, you need to close the remote control software first, if it is running. Right click on the transmitter tower icon in your computer's system tray (the software menu appears). Click *Exit*. When you start to re-install the software, the computer asks you to confirm that you want to re-install it.

Chapter 2: MusicMatch and the Lyra Wireless



The Lyra Wireless Quick Start screen.



The MusicMatch Jukebox Setup screen.

9. When the remote control software installation is complete, click *Install MUSICMATCH Jukebox* on the Lyra Wireless Quick Start screen to install MusicMatch.

10. When the MusicMatch Jukebox Setup screen appears, click *Next* to begin setup.

Note: It is recommended to uninstall any previous installations of the MusicMatch Jukebox software before proceeding.

After the uninstall process has been completed, delete the C:\Program Files\MusicMatch folder from Windows and where C:\Program Files is the path where the software was installed.

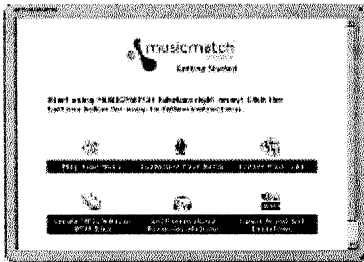
11. After you've read the license agreement, click *Yes* to accept (to continue, you must click *Yes*), or *No* to decline. If you click *Yes*, the *User Registration Information* screen appears.
12. Enter your name, e-mail address, postal code, country, year of birth, and sex (male or female).

Note: You must enter an e-mail address to proceed. If you don't have an e-mail address, enter yourname@xyz.com
13. Click *Next* (the *Personalize Music Recommendation* screen appears). Read the screen to determine if you want to use this feature or not – you can always change the setting later. Select *Yes* or *No*.
14. Click *Next* (the *Installation Options* dialog screen appears). Select *Express Setup* and click *Next* to continue (the installation starts).
15. After the installation is complete, click *Finish*.
16. If necessary, close the main setup screen.
17. Some computers might request that you reboot your computer (a dialog box will appear on the computer screen if this is necessary).
 - To view the MusicMatch Jukebox tutorial, click *Tutorial* on the Quick Start screen.
 - To exit the Quick Start screen, click *Quit*.

Chapter 2: MusicMatch and the Lyra Wireless



The MusicMatch icon found in your computer's system tray.



The MusicMatch Jukebox Getting Started screen.

Launching MusicMatch

The MusicMatch software converts audio files to the MP3 format so you can play them on your Lyra Wireless. This section describes some basic MusicMatch features and explains how to convert music to the MP3 format. For more information about MusicMatch, see the tutorial on the Lyra Wireless Quick Start screen or go to www.musicmatch.com.

1. Remove the Music Management CD from your computer.
2. Start the MusicMatch Jukebox software (click on the MusicMatch icon in your system tray or on your desktop).
3. The first time you launch MusicMatch, a *Getting Started* screen appears providing information about MusicMatch and the software.
4. Detailed information, Getting Started tips, and troubleshooting are available through the Help menu and the MusicMatch internet site (accessed from the Help and Site menus). We recommend you familiarize yourself with the MusicMatch Welcome Tips and view the On-line FAQs before using and recording files.

Note: Logging onto the internet while using MusicMatch Jukebox takes advantage of all its features.

5. Choose *Settings* under the *Options* menu to customize the MusicMatch Jukebox functionality.

Note: You can access the Options menu at almost any time by pressing the right mouse button.

Chapter 2: MusicMatch and the Lyra Wireless

Launching the Remote Control Software

The remote control software is automatically launched every time you start your computer, but if you need to launch it manually, follow these steps:

If you have Windows 98SE, 2000, or Me

1. Click on the *Start* icon in the lower left-hand corner of your screen.
2. Select *Programs*, followed by *RCA Lyra Wireless*.

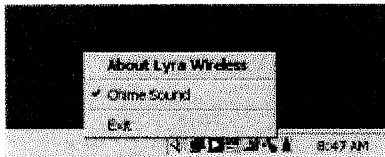
If you have Windows XP

1. Click on the *Start* icon in the lower left-hand corner of your screen.
2. Select *All Programs*, followed by *RCA Lyra Wireless*.



The Lyra Wireless Remote Control icon found in your computer's system tray.

When the Lyra Wireless remote control software is launched, you'll see a TV transmitter tower icon in your computer's system tray.



The Lyra Wireless software menu.

Turning off the Chime

You may want to turn off the chime sound the computer makes each time you press a valid button on the remote. To do this, right click on the transmitter tower icon in your computer's system tray (the software menu appears). Click *Chime Sound*.

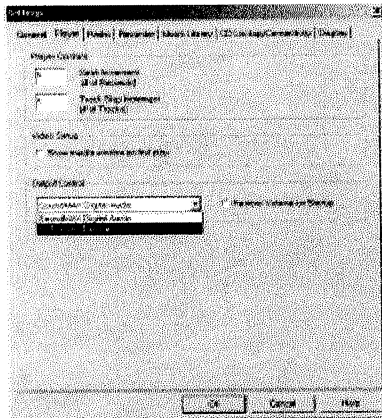
Closing the Remote Control Software

To close the remote control software, right click on the transmitter tower icon in your computer's system tray (the software menu appears). Click *Exit*.

Chapter 2: MusicMatch and the Lyra Wireless

Audio Setup

Depending on how your computer is currently set up, you may have to make some adjustments so that the music and sound are directed to the right places. You may need to make sure MusicMatch is configured properly, too.

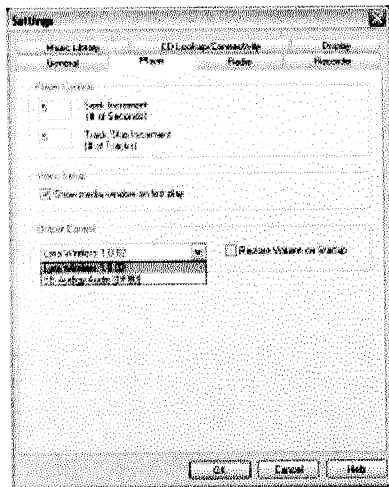


The MusicMatch Settings screen for Windows 98SE, 2000, and Me.

Settings in MusicMatch

1. Make sure the MusicMatch application is launched on your computer. If it's not, press the LYRA WIRELESS button on the remote.
2. From MusicMatch's main menu, click on *Options* and then *Settings*.
3. Select the *Player* tab, then click on the arrow under *Output Control* and select *USB Audio Device* (or *Lyra Wireless* for Windows XP).

Note: For Windows 98SE, 2000, and Me, the Lyra Wireless is recognized as a "USB Audio Device." If there is more than one USB audio device, the system numbers all the devices.

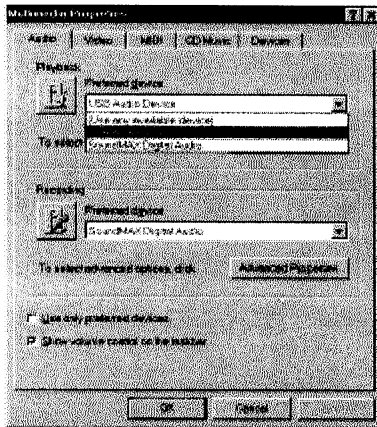


The MusicMatch Settings screen for Windows XP.

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Soundcard Settings in Your Computer's Control Panel

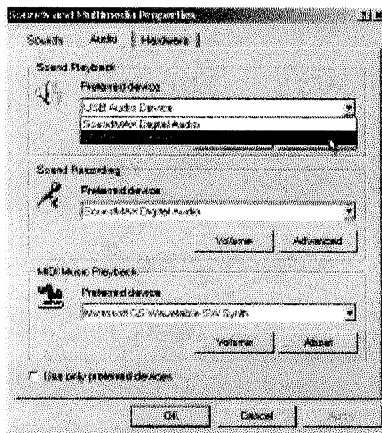
Note: This setting is to configure the chime sound and Windows sound prompts to play through your computer's sound card. If you want them to play through the Lyra Wireless, select USB Audio Device (or Lyra Wireless, for Windows XP) under the preferred device setting.



The sound card settings screen for Windows 98SE and Me.

If you have Windows 98SE or Me

1. Click on the *Start* icon in the lower left-hand corner of your screen.
2. Select *Settings*, followed by *Control Panel* (the Control Panel window appears).
3. Double click on the *Multimedia* icon, and select the *Audio* tab.
4. Click on the arrow under *Preferred device* and make sure your sound card is selected.

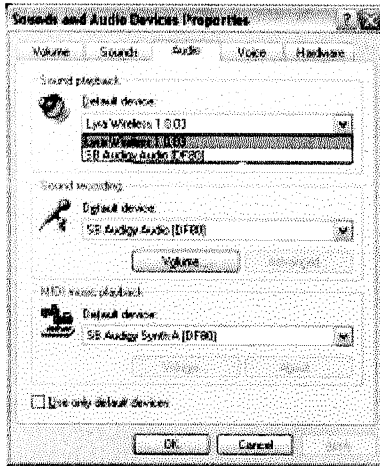


The sound card settings screen for Windows 2000.

If you have Windows 2000

1. Click on the *Start* icon in the lower left-hand corner of your screen.
2. Select *Settings*, followed by *Control Panel* (the Control Panel window appears).
3. Double click on the *Sounds and Multimedia* icon, and select the *Audio* tab.
4. Click on the arrow under *Preferred device* and make sure your sound card is selected.

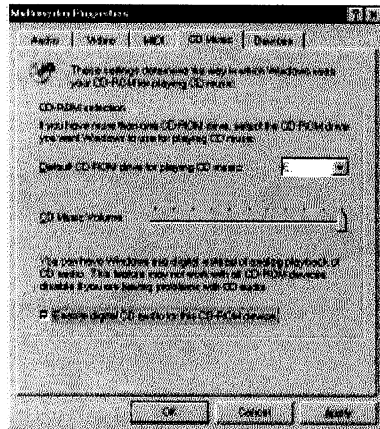
Chapter 2: MusicMatch and the Lyra Wireless



The sound card settings screen for Windows XP.

If you have Windows XP

1. Click on the *Start* icon in the lower left-hand corner of your screen.
2. Select *Settings*, followed by *Control Panel* (the Control Panel window appears).
3. Double click on the *Sounds and Audio Devices* icon, and select the *Audio* tab.
4. Click on the arrow under *Default device* and make sure your sound card is selected.



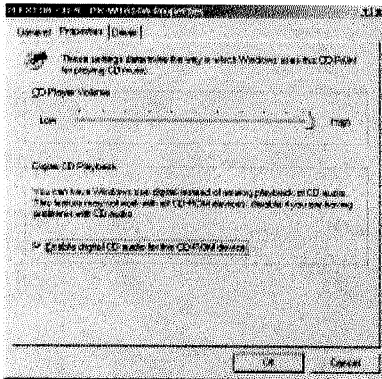
The CD-ROM settings screen for Windows 98SE and Me.

CD-ROM Settings in Your Computer's Control Panel

If you have Windows 98SE or Me

1. Click on the *Start* icon in the lower left-hand corner of your screen.
2. Select *Settings*, followed by *Control Panel* (the Control Panel window appears).
3. Double click on the *Multimedia* icon, and select the *CD Music* tab.
4. Under *CD-ROM Selection*, click the box for *Enable digital CD audio for this CD-ROM device*.

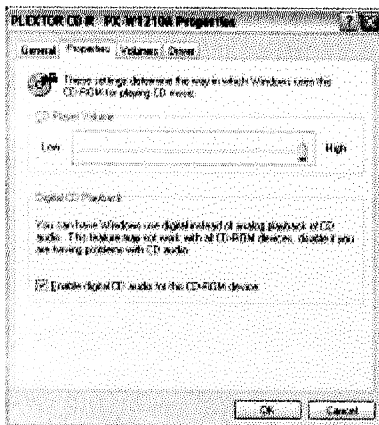
Chapter 2: MusicMatch and the Lyra Wireless



The sound card settings screen for Windows 2000.

If you have Windows 2000

1. Click on the *Start* icon in the lower left-hand corner of your screen.
2. Select *Settings*, followed by *Control Panel* (the Control Panel window appears).
3. Double click on the *Sounds and Multimedia* icon, and select the *Hardware* tab.
4. Select your CD-ROM in the list, and click *Properties* (the Properties window appears).
5. Click the *Properties* tab, then under *Digital CD Playback*, click the box for *Enable digital CD audio for this CD-ROM device*.



The sound card settings screen for Windows XP.

If you have Windows XP

1. Click on the *Start* icon in the lower left-hand corner of your screen.
2. Select *Settings*, followed by *Control Panel* (the Control Panel window appears).
3. Double click on the *Sounds and Audio Devices* icon, and select the *Hardware* tab.
4. Select your CD-ROM in the list, and click *Properties* (the Properties window appears).
5. Click the *Properties* tab, then under *Digital CD Playback*, click the box for *Enable digital CD audio for this CD-ROM device*.

More on MusicMatch

To let you get started listening to your music, we'll only mention the MusicMatch features that directly apply to the Lyra Wireless in this user's guide. For additional information about MusicMatch Jukebox features such as MusicMatch radio MX, creating music CDs, and all the music library features, go to:

- The MusicMatch tutorial on the Lyra Wireless Quick Start screen.
- Getting Started tips
- Online help (www.musicmatch.com)

Note: MusicMatch radio MX requires a subscription. See the MusicMatch website for details.

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Install Batteries in the Remote

1. Remove the battery compartment cover on the back of the remote.
2. Insert new batteries. Match the polarities (+ and -) on the batteries with the diagram on the remote.
3. Put the battery compartment cover back on the remote.

Important Battery Information

- If you're not going to use the remote for a month or more, be sure to remove the batteries because they can leak and cause damage.
- Dispose of batteries in the proper manner, according to federal, state, and local regulations.
- Any battery may leak electrolyte if mixed with a different battery type, if inserted incorrectly, if all batteries are not replaced at the same time, if disposed of in fire, or if an attempt is made to charge a battery not intended to be recharged.
- Discard leaky batteries immediately. Leaking batteries can cause skin burns or other personal injury.

Point the Remote in the Right Direction to Control the Component You Want

The software that comes with your Lyra Wireless enables you to use the remote to control many of the MusicMatch features. When you want the remote to operate MusicMatch, point it at the Lyra Wireless transmitter and press a button.

The remote control antenna of the Lyra Wireless system allows you to operate MusicMatch from another room, or even another floor of your house, so you don't have to worry about being right in front of the transmitter. For more information on how to use the remote with MusicMatch, go to the end of this chapter.

For other components (TV, VCR, etc.), the remote has to be pointed in the correct direction and toward the correct component in order for the remote control's signal to communicate with the sensor on the component. Make sure there is a clear path between the remote control and the component you want to operate, so the signal isn't blocked.

Chapter 2: MusicMatch and the Lyra Wireless

Playing Music through the Lyra Wireless

Now that you have connected your Lyra Wireless and installed all the necessary software, it's time to listen to some music.

1. Make sure the MusicMatch application is launched on your computer. If it's not, press the LYRA WIRELESS button on the remote.
2. Select the music source you want to play by pressing the corresponding button on the remote (FILE, RADIO, CD). If you choose FILE or CD, also select the song you want to play.
3. Turn on your audio receiver or other audio component and make sure it is on the right input mode for how you connected the Lyra Wireless receiver unit (AUX, INPUT, etc.). See your owner's manual for the audio system or audio component for more details.
4. Adjust the volume on your computer and audio receiver to a comfortable level.
5. Press PLAY (the song plays through your audio receiver).

Fine Tuning the Lyra Wireless

To get the best signal reception, the Lyra Wireless units should face each other using an imaginary "line of sight." You can place the transmitter and receiver in separate rooms, or even separate floors of your house, so you don't have to worry about the units being close to each other. Other barriers in your house may affect the signal, so you may need to adjust the positions of the transmitter and receiver somewhat (see the diagrams in Chapter 1).

If the transmitter is sending the signal to the receiver properly, you should see some of the receiver's signal strength meter indicators light up.

If there is no signal at all

Make sure the CHANNEL switch on the back of both units is set to the same number.

If the signal is weak or there is interference

Try changing the channel on both units. Make sure the CHANNEL switch is set to the same channel on both units.

Improving Performance

Orientation of the Antennas

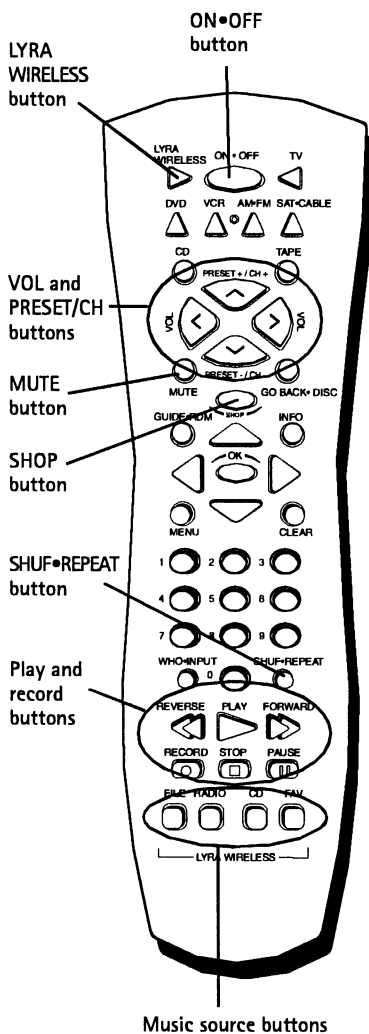
Proper orientation of the antennas is important for good performance (see the diagrams in Chapter 1). You may find that the system works better with one or more of the antennas in the horizontal (flat) position. The receiver and transmitter tend to operate better in high locations, where the signal path is wider and stronger (on a shelf, for example). Watch the receiver signal strength indicators for indication of signal strength.

You may also need to experiment with the position of the remote control antenna on the transmitter unit. See what position works the best for the remote control.

Chapter 2: MusicMatch and the Lyra Wireless

Using the Remote with MusicMatch

You can use the remote to control several of the functions of MusicMatch, including: launching the MusicMatch software; changing play modes (radio, music files, CDs); adjusting the volume; and changing tracks, playlists, and internet radio stations.



Launching MusicMatch

You can start MusicMatch by pressing the LYRA WIRELESS button on the remote. When you are ready to close the application, just make sure the remote is in Lyra Wireless mode and press ON•OFF.

Music Sources

The music source buttons (FILE, RADIO, and CD) let you select what music source you want to hear. Press FILE for files on your computer, RADIO for internet radio, and CD for an audio CD.

Playing Music

You can play music from any selected source by pressing the PLAY button. To pause music, press PAUSE. To stop playing, press STOP.

Changing Tracks and Scanning Within a Track

To skip to the next track, press the FORWARD button. To return the previous track, press REVERSE. To scan within a track, use the left and right arrow buttons.

Adjusting the Volume

While the music is playing, use the VOL up and down buttons to adjust the volume. You can also adjust the volume on your audio receiver for even more volume. To mute the currently playing song, press MUTE.

Changing Playlists and Internet Radio Stations

To change playlists or radio stations, use the PRESET +/CH+ or PRESET -/CH- buttons.

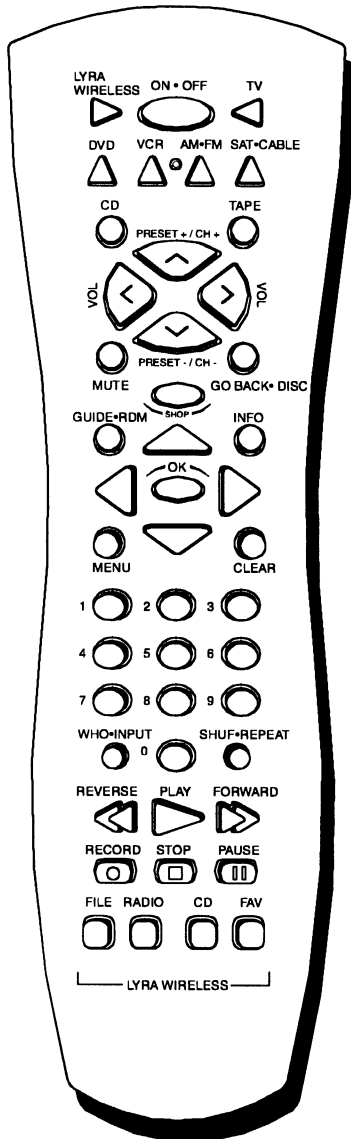
Repeating a Playlist

To repeat the current playlist, press SHUF•REPEAT.

Buying Music

To display the screen to buy music online, press SHOP.

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Note: The TV, VCR, DVD and SAT•CABLE buttons also turn on most RCA, GE, and Proscan products.

Other Buttons on the Remote Control

(0–9) Number buttons Selects channels up to 99 by pressing two number buttons. Selects 3-digit channels by pressing and holding 1 until 1 – – appears on screen. Then press the other two numbers.

AM•FM Puts a compatible audio receiver in radio mode.

CLEAR Removes any menu or display from the screen and returns you to normal viewing. Resets the time counter to 0:00:00 for some compatible VCRs. Also clears on-screen menu item entries when setting the time and date or timer recordings.

DVD Turns on a compatible DVD player and puts the remote in DVD mode.

FAV For future use. No current function.

FORWARD Fast forwards the tape when the VCR is in stop mode. In DVD and VCR mode, searches forward if pressed during playback.

GO BACK • DISC Switches between the current and previous channels and changes discs on a compatible CD player.

GUIDE • RDM Displays the channel guide on some RCA, GE, and Proscan TVs and satellite receivers. Also puts a compatible CD player in random mode.

INFO Shows the status displays on screen of the VCR, TV, DVD player, etc. (whichever component is set as the remote control's active device).

MENU Displays the on-screen menu system.

MUTE Reduces the volume to a minimum level on some compatible TVs.

OK In on-screen menus, this button acts as an *Enter* button (used in conjunction with the remote control's arrow buttons). This button selects the highlighted on-screen menu choice.

PRESET CH + and – Selects next higher or lower channel in the channel list for some compatible components.

RECORD In VCR mode, starts record mode.

REVERSE Rewinds the tape when the VCR is in stop mode. In DVD and VCR mode, searches backward through a tape during playback mode.

SAT•CABLE Turns on a compatible RCA, GE, or Proscan satellite receiver and can be programmed to operate different brands of receivers.

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SHUF•REPEAT Puts a compatible CD player or DVD player in repeat or shuffle mode.

STOP Stops the current function (record, playback, rewind, etc).

TAPE Puts a compatible audio receiver in tape mode.

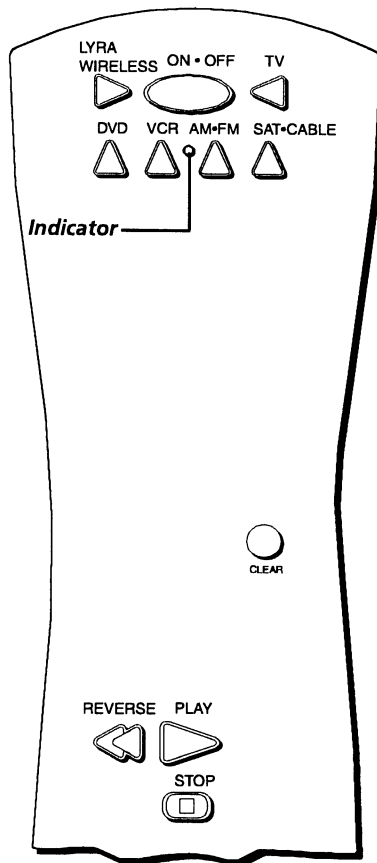
TV Turns on a compatible RCA, GE, or Proscan TV and puts the remote in TV mode. Also used with the **ON•OFF** button to turn on/off a compatible TV.

VCR Turns on a compatible VCR and puts the remote control in VCR mode.

VOL < and > Raises and lowers the volume of some compatible TVs.

WHO• INPUT In VCR or TV mode, selects between the Video Input Channels and the tuner. Video Input Channel refers to the signal coming from the component connected to audio/video input jacks on the VCR or TV.

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You'll use these buttons when you program the remote.

Important: The remote may not be compatible with all models of all brands of components. It also may not operate all functions of the remote that came with your component.

Tip

To stop the automatic code search without programming any components, press and hold CLEAR until the indicator on the remote turns off.

Programming the Remote to Operate Other Components

The universal remote can be programmed to operate most brands of remote controllable components. The remote is already programmed to operate most RCA, GE, and Proscan components.

Find Out If You Need to Program the Remote

To determine whether the universal remote needs to be programmed for your component, turn the component ON. For example, to program the remote for a TV, turn on the TV. Point the remote at the TV, and press the TV button. Then press ON•OFF or CH + (channel up) or CH - (channel down) to see if the TV responds to the remote commands. If the component does not respond, the remote needs to be programmed.

Programming the Remote

There are two ways to program the remote control:

- automatic code search
- direct entry

Using Automatic Code Search

The following instructions can be used to program the remote to operate each of your components. If you want to stop the automatic code search without programming any of your components, press CLEAR until the indicator on the remote turns off.

1. Turn on the component you want to operate (TV, Cable Box, etc.)
2. Press and hold the component button you want to program (TV, etc.). While holding the component button, press and hold ON•OFF until the indicator on the remote turns on, then release both buttons.
3. Point the remote at the component. Press and release PLAY, then wait 5 seconds or until the indicator on the remote stops flashing.

At this point the remote is searching for the correct code to program. If, after 5 seconds, the component you want to operate does not turn off, press PLAY again to tell the remote to search the next set of codes.

Continue pressing PLAY until the component turns off or you have searched through all of the codes. There are 20 total sets of codes. If the component does not turn off after pressing PLAY 20 times, then the remote can't be programmed to operate that component.

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Important

You must continue pressing the component button while you enter the code.

Let's say you have a Zenith TV. To program the universal remote to operate the VCR, you would:

Press and hold the TV button while you enter the first code listed for Zenith in the TV Codes column.

Release the TV button. Press ON•OFF to see if the TV responds. If it doesn't, follow the same steps, but enter the second code for Zenith TVs instead of the first.

Note

Some of the remote's buttons might operate differently for other components, especially when you're using another component's menu system.

If the component you want to control *does* turn off:

1. Press and release REVERSE, then wait 2 seconds. Repeat this step until the device turns back ON.
2. To finish, press and hold STOP until the indicator on the remote turns off.

Using Direct Entry

1. Turn on the component to be programmed.
 2. Look up the brand and code number(s) for the component on the code list in this section.
 3. Point the remote at the component.
 4. Press and hold the component button you want to program on the remote.
 5. Enter the 4-digit code from the remote control code list on the following pages. If the indicator flashes, you have either entered an invalid code or the button isn't programmable.
 6. Release the component button, and then press ON•OFF to see if the component responds to the command. If it doesn't, try pressing the component button and then ON•OFF again.
- If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote commands.
 - If you try all the codes for your component brand and none work, try the automatic code search method. If automatic code search doesn't find the code, the remote is not compatible with your component.

How to Use the Remote After You've Programmed It

Because this universal remote can control several different components (TV, DVD, VCR, satellite receiver, etc.) it uses operational modes triggered by the component buttons. For example, if you want the remote to control the TV, you would press the TV button to put the remote into TV mode before you could control the TV.

1. Press the appropriate component button (DVD, TV, VCR, SAT•CABLE, AUX) to set the remote to control the component.
2. Press ON•OFF to turn the component ON or OFF.
3. Use the remote buttons that apply to that component.

Notes:

- *The remote may not be compatible with all brands and models of components. It also may not operate all functions of the remote that came with your component.*
- *If you keep pressing buttons and nothing happens, the remote is probably in the wrong mode. You must press the component button that matches the component you want to operate (i.e., if you want to operate the VCR, press VCR on the remote control to put the remote in VCR mode.)*

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Code List

TV Codes

Abex	1172
Admiral	1001, 1173, 1211
Adventura	1174
Aiko	1016
Akai	1002
Alleron	1046
Amtron	1038
Anam National	1003, 1038, 1192, 1193, 1194
AOC	1004, 1005, 1006, 1007, 1175, 1176, 1195
Audiovox	1038
Belcor	1004
Bell & Howell	1001, 1083, 1162
Bradford	1038
Brokwood	1004
Candle	1004, 1006, 1008, 1174
Celebrity	1002
Centurion	1009
Citizen	1004, 1006, 1008, 1016, 1038, 1105, 1171, 1174, 1177
Colortyme	1004, 1006, 1010
Concerto	1004, 1006
Contec/Cony	1012, 1013, 1014, 1038
Craig	1038
Crown	1038, 1171
Curtis-Mathes	1000, 1004, 1006, 1015, 1105, 1162, 1171, 1212
CXC	1038
Daewoo	1004, 1005, 1006, 1016, 1017, 1018, 1127, 1171, 1196
Daytron	1004, 1006, 1171
Dimensia	1000
Dumont	1004, 1151
Dynatech	1178
Electronband	1002
Electrohome	1003, 1004, 1006, 1019, 1020, 1022
Emerson	1004, 1006, 1012, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1041, 1042, 1043, 1044, 1046, 1047, 1123, 1124, 1162, 1171, 1177, 1179, 1191, 1208
Envision	1004, 1006
Fisher	1048, 1049, 1051, 1162, 1180
Fujitsu	1046
Funai	1038, 1046
Futuretec	1038
GE	1000, 1003, 1004, 1006, 1022, 1052, 1054, 1055, 1087, 1164, 1165, 1166, 1167, 1168, 1181, 1213
Gibraltar	1004, 1151
Goldstar	1004, 1005, 1006, 1012, 1019, 1056, 1057, 1058, 1155, 1156, 1171, 1172
Grundy	1038, 1046, 1171
Hallmark	1004, 1006
Harvard	1038
Hitachi	1004, 1006, 1012, 1013, 1014, 1059, 1060, 1061, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1148, 1150, 1179, 1198, 1199
IMA	1038
Infinity	1062
Janeil	1174
JBL	1062
JCB	1002
JC Penney	1000, 1004, 1005, 1006, 1008, 1022, 1052, 1054, 1058, 1063, 1064, 1072, 1087, 1105, 1128, 1171, 1172, 1181, 1201
Jensen	1004, 1006
JVC	1012, 1013, 1014, 1054, 1060, 1065, 1066, 1067, 1157, 1158, 1159, 1182
Kawasho	1002, 1004, 1006
Kenwood	1004, 1006, 1019
Kloss Novabeam	1068, 1069, 1174, 1183
KTV	1038, 1070, 1171, 1177
Loewe	1062
Logik	1083
Luxman	1004, 1006
LXI	1000, 1006, 1049, 1062, 1071, 1072, 1073, 1162, 1181, 1207
Magnavox	1004, 1006, 1008, 1019, 1062, 1068, 1069, 1075, 1076, 1077, 1088, 1130, 1131, 1132, 1133, 1134, 1183, 1219, 1235
Majestic	1083
Marantz	1062
Marantz	1004, 1006, 1062, 1078
Megatron	1006, 1059
Memorex	1001, 1006, 1082, 1083, 1162
MGA	1004, 1005, 1006, 1019, 1022, 1051, 1079, 1080, 1082
Midland	1054, 1151, 1171, 1172, 1181
Minutz	1052
Mitsubishi	1004, 1005, 1006, 1019, 1022, 1051, 1079, 1080, 1081, 1082, 1125
Montgomery Ward	1083
Motorola	1003, 1173
MTC	1004, 1005, 1006, 1105
Multitech	1038
Multivision	1084
NAD	1006, 1071, 1072, 1185
NEC	1003, 1004, 1005, 1006, 1200
Nikko	1006, 1016
NTC	1016
Onwa	1038
Optimus	1185
Optonica	1095, 1173
Orion	1035, 1191
Panasonic	1003, 1054, 1062, 1170, 1214
Philco	1003, 1004, 1005, 1006, 1008, 1012, 1019, 1062, 1068, 1069, 1075, 1077, 1183
Philips	1003, 1004, 1008, 1012, 1019, 1062, 1068, 1069, 1075, 1076, 1086, 1087, 1088, 1089
Pilot	1004, 1171

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Pioneer	1004, 1006, 1090, 1091, 1092, 1179, 1185
Portland	1004, 1005, 1006, 1016, 1171
Price Club	1105
Prism	1054
ProScan	1000, 1181
Proton	1004, 1006, 1012, 1093
Pulsar	1004, 1151
Quasar	1003, 1054, 1070, 1094
Radio Shack/Realistic	1000, 1004, 1006, 1012, 1038, 1049, 1095, 1162, 1171, 1172
RCA	1000, 1003, 1004, 1005, 1006, 1007, 1019, 1096, 1098, 1099, 1100, 1101, 1102, 1103, 1129, 1179, 1181, 1187, 1188, 1190, 1202, 1203, 1215, 1233
Runco	1151
Sampo	1004, 1006, 1171, 1172
Samsung	1004, 1005, 1006, 1012, 1015, 1019, 1104, 1105, 1106, 1171, 1172, 1204
Samsux	1171
Sansui	1191
Sanyo	1004, 1048, 1049, 1080, 1107, 1108, 1162, 1169, 1180
Scotch	1006
Scott	1004, 1006, 1012, 1024, 1035, 1038, 1046
Sears	1000, 1004, 1006, 1013, 1014, 1019, 1046, 1048, 1049, 1051, 1066, 1071, 1072, 1109, 1110, 1162, 1180, 1181, 1189
Sharp	1004, 1006, 1012, 1029, 1095, 1111, 1112, 1113, 1122, 1171, 1173
Shogun	1004
Signature	1001, 1083, 1115
Simpson	1008
Sony	1002, 1205, 1216, 1218
Soundesign	1004, 1006, 1008, 1038, 1046
Squareview	1189
SSS	1004, 1038
Starlite	1038
Supre-Macy	1174
Supreme	1002
Sylvania	1004, 1006, 1008, 1019, 1062, 1068, 1069, 1075, 1076, 1077, 1088, 1116, 1161, 1183
Symphonic	1033, 1038, 1189
Tandy	1173
Tatung	1003
Technics	1054
Techwood	1004, 1006, 1054
Teknika	1004, 1005, 1006, 1008, 1012, 1013, 1014, 1016, 1038, 1046, 1076, 1082, 1083, 1105, 1170, 1171
Telecaption	1117
TMK	1004, 1006
Toshiba	1049, 1071, 1072, 1105, 1109, 1117, 1118, 1160, 1162
Totevision	1171
Universal	1052, 1087
Victor	1066, 1182
Vidtech	1004, 1005, 1006
Viking	1174
Wards	1000, 1001, 1004, 1005, 1006, 1019, 1024, 1033, 1046, 1052, 1062, 1068, 1069, 1075, 1076, 1083, 1087, 1088, 1095, 1119, 1120
Yamaha	1004, 1005, 1006, 1019
Zenith	1004, 1083, 1151, 1152, 1153, 1154, 1210, 1217

VCR Codes

Admiral	2132
Adventura	2026
Aiko	2027
Aiwa	2026
Akai	2003, 2004, 2005, 2007, 2008, 2111, 2112, 2113
American High	2021
Asha	2013
Audio Dynamics	2009, 2010
Audiovox	2014
Bell & Howell	2011
Beaumarck	2013
Broksonic	2012, 2025
Calix	2014
Candle	2013, 2014, 2015, 2016, 2017, 2018, 2019
Canon	2021, 2022, 2114
Capehart	2020, 2110
Carver	2062
CCF	2027, 2061
Citizen	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2027
Colortyme	2009
Colt	2061
Craig	2013, 2014, 2023, 2061
Curtis-Mathes	2000, 2009, 2013, 2016, 2018, 2021, 2022, 2024, 2115, 2131
Cybernex	2013
Daewoo	2015, 2017, 2019, 2025, 2026, 2027, 2028, 2110
Daytron	2110
DBX	2009, 2010
Dimensia	2000, 2131
Dynatech	2026
Electrohome	2014, 2029
Electroponic	2014
Emerson	2012, 2014, 2015, 2021, 2024, 2025, 2026, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2044, 2045, 2046, 2047, 2065, 2113, 2116, 2117, 2130
Fisher	2011, 2023, 2048, 2049, 2050, 2051, 2052, 2118
Fuji	2021, 2119
Funai	2026
Garrard	2026
GE	2000, 2001, 2013, 2021, 2022, 2053, 2115, 2120, 2131
Goldstar	2009, 2014, 2018, 2054, 2131
Gradiente	2026
Harley Davidson	2026
Harman Kardon	2009
Harwood	2061
Headquarter	2011
Hitachi	2055, 2056, 2057, 2107, 2111, 2120, 2122
Hi-Q	2023
Instant Replay	2021
JCL	2021
JC Penney	2009, 2010, 2011, 2013, 2014, 2021, 2022, 2055, 2056, 2058, 2059, 2060, 2107, 2118

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Jensen 2055, 2056, 2111
 JVC 2009, 2010, 2011, 2018, 2111, 2123
 Kenwood 2009, 2010, 2011,
 2016, 2018, 2111, 2123
 KLH 2061
 Kodak 2014, 2021
 Lloyd 2026
 Logik 2061
 LXI 2014
 Magnavox 2021, 2022, 2062,
 2063, 2104, 2105, 2108, 2124
 Magnin 2013
 Marantz 2009, 2010, 2011,
 2016, 2018, 2021, 2062, 2064
 Marta 2014
 Masushita 2021
 Mei 2021
 Memorex 2011, 2013,
 2014, 2021, 2023, 2026, 2104, 2132
 MGA 2029, 2065, 2113
 MGN Technology 2013
 Midland 2053
 Minolta 2055, 2056, 2107
 Mitsubishi 2029, 2055, 2056, 2065, 2066, 2067, 2068,
 2068, 2070, 2071, 2072, 2073, 2074, 2106, 2113, 2123
 Montgomery Ward 2075, 2132
 Motorola 2021, 2132
 MTC 2013, 2126
 Multitech 2013, 2016, 2026, 2053, 2061
 NEC 2009, 2010, 2011, 2016, 2018,
 2064, 2076, 2078, 2079, 2111, 2123
 Nikko 2014
 Noblex 2013
 Olympus 2021
 Optimus 2014, 2132
 Optonica 2096
 Panasonic 2021, 2022, 2109, 2125, 2126, 2127
 Pentax 2016, 2055, 2056, 2107, 2120
 Pentax Research 2018
 Philco 2021, 2022, 2062, 2063
 Philips 2021, 2062, 2096, 2124
 Pilot 2014
 Pioneer 2010, 2055, 2080, 2081, 2123
 Portland 2016, 2017, 2019, 2110
 PROSCAN 2000, 2001, 2131
 Protec 2061
 Pulsar 2104
 Quarter 2011
 Quartz 2011
 Quasar 2021, 2022, 2125
 RCA 2000, 2001, 2003, 2013, 2021, 2055, 2056,
 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089,
 2090, 2091, 2107, 2115, 2120, 2125, 2131, 2133
 Radioshack/Realistic 2011, 2013, 2014, 2021,
 2022, 2023, 2026, 2029, 2049, 2050, 2096, 2132
 Radix 2014
 Randex 2014
 Ricoh 2128
 Runco 2104
 Samsung 2005, 2013, 2015, 2033, 2053, 2112
 Sanky 2104, 2132
 Sansui 2010, 2092, 2111, 2123
 Sanyo 2011, 2013, 2023
 Scott 2012, 2015, 2025, 2032
 2038, 2065, 2093, 2116

Sears 2011, 2014, 2021, 2023, 2048,
 2049, 2050, 2051, 2055, 2056, 2107, 2118
 Sharp 2017, 2029, 2094, 2095, 2096, 2097, 2131
 Shintom 2004, 2056, 2061, 2098
 Shogun 2013
 Signature 2131
 Singer 2021, 2061, 2128
 Sony 2004, 2098, 2099, 2119
 STS 2021, 2107
 Sylvania 2021, 2022,
 2026, 2062, 2063, 2065, 2124
 Symphonic 2026
 Tandy 2011
 Tashiko 2014
 Tatung 2111
 TEAC 2026, 2085, 2111
 Technics 2021, 2109
 Teknika 2014, 2021, 2026, 2100, 2129
 TMK 2013, 2024, 2047
 Toshiba 2015, 2049, 2051,
 2055, 2065, 2093, 2116
 Totevision 2013, 2014
 Unitech 2013
 Vector Research 2009, 2010, 2015, 2016
 Victor 2010
 Video Concepts 2009, 2010, 2015, 2016, 2113
 Videosonic 2013
 Wards 2013, 2014, 2015, 2021,
 2023, 2026, 2029, 2055, 2056, 2061,
 2096, 2101, 2102, 2103, 2107, 2116, 2132
 XR-1000 2021, 2026, 2061
 Yamaha 2009, 2010, 2011, 2018, 2111
 Zenith 2004, 2098, 2104, 2119, 2128

Cable Box Codes

ABC 5002, 5003, 5004, 5005, 5006, 5007, 5053
 Antronix 5008, 5009
 Archer 5008, 5009, 5010, 5011
 Cabletenna 5008
 Cableview 5008
 Century 5011
 Citizen 5011
 Colour Voice 5012, 5013
 Comtronics 5014, 5015
 Contec 5016
 Eastern 5017
 Garrard 5011
 GC Electronics 5009
 Gemini 5018, 5019, 5049
 General Instrument 5003
 Hamlin 5020, 5021, 5022, 5035, 5045
 Hitachi 5003
 Hytex 5002
 Jasco 5011
 Jerrold 5003, 5005, 5007, 5018, 5023, 5024, 5046,
 5053
 Magnavox 5025
 Memorex 5026
 Movie Time 5002, 5027, 5028
 NSC 5002, 5027, 5028
 Oak 5002, 5016, 5029
 Panasonic 5048, 5052
 Paragon 5026

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Philips	5011, 5012, 5013, 5019, 5025, 5030, 5031, 5032
Pioneer	5033, 5034
Pulsar	5026
RCA	5047, 5049, 5052
Realistic	5009, 5049
Regal	5022, 5035
Regency	5017
Rembrandt	5003
Runco	5026
Samsung	5014, 5034
Scientific Atlanta	5006, 5036, 5037, 5038
Signal	5014, 5018
Signature	5003
SL Marx	5014
Sprucer	5052
Starcom	5007, 5018, 5053
Stargate	5014, 5018
Starquest	5018
Tandy	5040
Televue	5014
Tocom	5004, 5023, 5041
Toshiba	5026
Tusa	5018
TV86	5027
Unika	5008, 5009, 5011
United Artists	5002
United Cable	5053
Universal	5008, 5009, 5010, 5011
Videoway	5044
Viewstar	5015, 5025, 5027, 5040
Zenith	5026, 5050, 5051

Satellite Receiver Codes

Alphastar	5079
Chapparral	5056, 5057
Dishnet	5078
Drake	5058, 5059
Echostar	5089
GE	5000, 5001
General Instruments	5060, 5061, 5062
Hitachi	5083, 5084
Hughes	5077, 5090
JVC	5082
Panasonic	5075
Philips	5085
Primostar	5076
PROSCAN	5000, 5001
RCA	5000, 5001, 5071, 5080, 5081
Realistic	5063
Sony	5072
STS1	5064
STS2	5065
STS3	5066
STS4	5067
Toshiba	5068, 5073
Uniden	5086

Audio Codes

RCA and Dimensia	
AM/FM	4003, 4270
AUX	4004

Phono	4005
Tape	4006
CD	4007, 4190, 4211

Receivers

Aiwa	4261, 4262, 4263, 4264, 4265, 4266, 4267, 4277
Denon	4283
Harman Kardon	4276
JVC	4268
JVL	4276
Kenwood	4269
Onkyo	4278
Optimus	4284
Panasonic	4279, 4280
Pioneer	4275
RCA	4270
Sherwood	4282
Sony	4271, 4272, 4281
Technics	4279, 4280
Wards	4275
Yamaha	4274, 4275

CD Players

ADC	4200, 4201, 4220
Aiwa	4175, 4203
Akai	4205
Denon	4208
Dynatech	4177
Emerson	4178
Fisher	4179, 4212, 4213
GE	4216
Hitachi	4180
JVC	4181, 4221
Kenwood	4183, 4222, 4224
Luxman	4225
Marantz	4185, 4226
Mitsubishi	4229, 4230
MCS	4228
Nakamichi	4232, 4233
NEC	4184
Onkyo	4186, 4234, 4235
Optimus	4237, 4238, 4239
Panasonic	4188
Pioneer	4189, 4240
RCA	4190, 4211
Sanyo	4250
Sears	4207
Sherwood	4243
Sony	4195, 4209, 4244
Teac	4245, 4246, 4247
Technics	4197
Toshiba	4231
Yamaha	4198, 4199, 4268

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Chapter 3: Additional Information

Troubleshooting

Most problems you encounter with your Lyra Wireless can be corrected by consulting the following troubleshooting list.

Note: If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-800-206-3359 or visit rca.com.

General Problems

Lyra Wireless won't turn on

- Make sure both the transmitter and receiver are plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.

No sound

- Make sure all the connections are snug between the Lyra Wireless receiver and your audio receiver (or other component).
- Make sure the music is not being sent to your sound card. In the MusicMatch menu, select *Options*, then *Player*, then *Settings*. Under Output Control, make sure *USB Audio Device* is selected (or *Lyra Wireless* for Windows XP). If it wasn't already selected, you may have to restart MusicMatch to activate the new setting. Once you restart, try playing the music again. You should hear audio play through your audio system (not from your PC). The normal Windows sound prompts should still play through your PC.
- Make sure the correct input mode or channel is selected on your audio system. In order for your audio system to receive the sound coming from the Lyra Wireless, the correct input mode must be selected (AUX, INPUT, etc.). See your owner's manual for the audio system or component for more details.

The chime sound and Windows prompts are playing through the Lyra Wireless

- Make sure your sound playback settings are correct. If all sounds are playing through your audio system, including Windows sound prompts, you need to set the Windows prompts to only play through your sound card. See page 16 for details.

Poor reception

- Make sure the antenna is positioned correctly. Proper orientation of the antenna is important for good performance. You may find that the system works better with one or more of the antennas in the horizontal (flat) position. The receiver and transmitter tend to operate better in high locations, where the signal path is wider and stronger (on a shelf, for example). Watch the receiver signal strength indicators for indication of signal strength.

Chapter 3: Additional Information

- Your cordless phone or baby monitor may be causing interference. The transmitter and receiver have 4 RF channels to choose from, but if you have a 900Mhz cordless phone or baby monitor, you should pick a channel that doesn't interfere with the frequency the phone/monitor transmits on. Channel 4 is typically "phone-free". If you have interference, leave your cordless phone or monitor on, then switch to a channel on both Lyra Wireless units that is clear.

The Remote Control Doesn't Work

- Something might be between the remote and the remote sensor on the component. Make sure there is a clear path. (This is only when using the remote to operate other components, such as a TV or VCR.)
- Maybe batteries in remote are weak, dead, or installed incorrectly. Put new batteries in the remote.
- You might need to drain the remote's microprocessor: remove batteries and press the number 1 button for at least 60 seconds. Release the 1 button, replace the batteries, and reprogram, if necessary.

Care and Cleaning

CAUTION: Turn OFF your unit before cleaning.

You can clean the unit as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the unit.

Avoid placing drinks or vases with water on top of the unit. This could increase the risk of fire or shock hazard or damage to the unit.

Chapter 3: Additional Information

FCC Declaration of Conformity and Industry Canada Information

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: RCA Model: RD900W
Equipment Classification: Computing Device Accessory

Responsible Party: Thomson multimedia, Inc.
 10330 N. Meridian Street
 Indianapolis, IN 46290
 Telephone 317-415-4151

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 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 and correct the interference by one or more of the following measures:

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

FCC regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.

Chapter 3: Additional Information

Limited Warranty

What your warranty covers:

- Defects in materials or workmanship.

For how long after your purchase:

- One year from date of purchase for labor and parts
- The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

What we will do:

- Pay any Authorized RCA Audio Service Center the labor charges to repair your unit.
- Pay any Authorized RCA Audio Service Center for the new or, at our option, refurbished replacement parts required to repair your unit.

How you get service:

- Take your unit to any Authorized RCA Audio Service Center. To identify your nearest Authorized RCA Audio Service Center, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
- Show the Authorized Service Center Representative your evidence of purchase date or first rental.
- Pick up your unit when repairs are completed.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does not cover:

- Customer instruction. (Your User's Guide describes how to install, adjust, and operate your unit. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your unit.
- Damage from misuse or neglect.
- Cleaning of audio heads.
- Batteries.
- A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- A unit purchased or serviced outside the U.S.A.
- Acts of nature, such as but not limited to lightning damage.

Product Registration:

- Please complete and mail the Product Registration Card packed with your product. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Chapter 3: Additional Information

Limitation of Warranty:

- THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON MULTIMEDIA INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.
- REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON MULTIMEDIA INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

How State Law relates to warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your unit outside the United States:

- This warranty does not apply. Contact your dealer for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.

Visit our website at www.rca.com

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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