



**AUDIOVOX**  
ELECTRONICS CORP.



Article Number03E: 25070PD2700050  
128-6169



Portable

DVD / VCD / CD / MP3

Audio and Visual Disc Player

# Owner's Manual

## D1700



1-800-645-4994  
Customer Service

## CAUTIONS REGARDING DVD PLAYER

### Do not move the player during playback

During playback, the disc spins at high speed, so do not lift or move the player. Doing so may damage the disc.

### When transporting the player

Be sure to remove the disc and close the lid when transporting the player. Also slide the power switch to the "OFF" position to turn off the power, then unplug the power cord once "OFF" on the display window appears. Transporting the player with a disc loaded may result in damage.

### Place of installation

Select a stable place near the TV or stereo system to which you are going to connect the player. Do not place the player on top of a TV or color monitor. Install the player away from cassette decks or other devices which are easily affected by magnetic forces.

### Do not place objects on top of the player

Do not place any objects on top of the player.

### Turn off the power when not using the player

Depending on the TV reception conditions, stripes may appear on the TV screen when the TV is turned on while the player's power is on. This is not a malfunction of the player or the TV. If this should happen, turn off the player's power. Noise may also be generated in the sound of a radio when the player's power is on.

### Special note regarding use of player in vehicles

We strongly advise against using the player while driving. Most countries and states have laws, which prohibit or severely restrict the use of the player in vehicles while driving.

Do not leave the player or the battery pack in places where the temperature is extremely low or extremely high, such as inside the passenger cabin or trunk in midsummer.

Doing so may warp the outer case or reduce the performance or quality of the battery pack.

### When carrying on planes

Heed the airline company's rules.

### When carrying in hospitals

Heed the hospital's rules.

## IMPORTANT SAFETY INFORMATION-PLEASE READ FIRST



### USING AN EXTERNAL POWER SOURCE

This product is sold with a power cord appropriate for accessing an external power source. Make sure to use only an appropriate external power source, as indicated on the electricity ratings label. If you are unsure regarding the type of power source in your area, consult an authorized service provider or the local power company. Refer to enclosed operating instructions for instructions regarding using batteries with this product.



### BATTERY WARNING

The DVD player includes a Lithium battery pack. If handled improperly, this battery pack poses a risk of fire or burns. Do not disassemble, crush, puncture, short external contacts, or dispose of the battery pack in fire or water. Do not attempt to open or service the battery pack. Replace only with a battery pack designed specifically for this product. Dispose of the battery in an environmentally safe manner and recycle whenever possible.



### ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type recommandé par le constructeur. mettre au rebut les batteries usagées conformément aux instructions du fabricant.



### LASER BEAM WARNING

CAUTION - Laser radiation when open and interlock defeated. DO NOT STARE INTO BEAM.



### USE AN APPROVED POWER CORD

If a power cord was not included with your purchase or you have lost the power cord, you should purchase a power cord approved for use in your country and properly rated for product voltage and current requirements (refer to product electrical rating label). The power cord voltage and current rating should be greater than said ratings for the product. Furthermore, power cord wire must be a minimum 0.75mm<sup>2</sup>/18AWG with a recommended length between 5 and 6.5 feet (1.5 to 2 meters). Contact your authorized service provider regarding further questions about power cord selection and use.



### LASER EMISSIONS WARNING

This product is fitted with a laser-emitting device. Make sure the device is shut down prior to opening player lid. Please follow the following precautions when operating. Failure to do so may result in fire, personal injury, or equipment damage.

1. Do not operate controls, make adjustments, or perform procedures other than as specified in the DVD drive installation guide.
2. Only an authorized service technician should perform repairs.
3. All DVD-equipped systems comply with appropriate safety standards, including IEC 825. The installed laser device complies with Class 1 government laser performance standards. This laser device does not emit hazardous light and is fully enclosed during user operation and maintenance.



### OUTDOOR USE WARNING

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

## ! NTSC/PAL Viewing Area Standards

Most of Asia (excluding China) and the Americas use the NTSC broadcasting standard. Europe, Japan and China/Hong Kong use the PAL broadcasting standard. If you use this product in an area using a standard different from your own, simply select the appropriate setting on the PAL / NTSC setting located on the back of the base module and restart the disc player, otherwise the viewing image will be very poor.



## WARNING SYMBOLS IN THIS MANUAL

This owner's manual employs four different symbols to indicate the different types of warning message:

- ! indicates a warning or notice regarding product operation.
- ⚠ indicates to the presence of important operating and maintenance (servicing) instructions.
- ⚡ indicates of the presence of uninsulated dangerous voltage within the product's enclosure.
- The double-square symbol indicates a classification of IEC 417 No.5172, to identify equipment meeting the safety requirements of DOUBLE INSULATION specified for Class II equipment. It can in no way be confused with the manufacturer's name or other identifications.

Manufactured under License from Dolby Laboratories.

"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

Confidential Unpublished Works ©1992-1997 Dolby Laboratories, Inc. All rights reserved.

DTS is a registered trademark of Digital Theater System (U.S.A.)

According to copyright laws, copyrighted publications may not be reproduced, transmitted, displayed or rented in any form or by any means, without prior permission.

DVD discs have been equipped with a protective design against copying, so that copied images will show distortions.

The copyright protection technology applied in this product is protected by American patent right and by intellectual property right protection of Macrovision and other owners.

Any use of this copyright protection technology must be approved by Macrovision, otherwise the player may only broadcast at private homes or for a limited audience.

Decoding or breaking of the code is strictly prohibited.

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

It's forbidden by law to copy, broadcast, show, broadcast on cable, play in public, and rent copyrighted material without permission. DVD video discs are copy protected, and any recordings made from these discs will be distorted.

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# 1

## Dear Customer:

Thank you for your purchase of this portable DVD player. This product incorporates the latest digital audio / video (AV) technologies to give you the ultimate in listening and viewing pleasure. Before use, may we recommend you familiarize yourself with the user's manual. The manual discusses, player operation, the use of remote control, system setup and player maintenance. If you are interested in a specific topic(s), please refer to the Table of Contents.

If you should want to start using this DVD player quickly, please skip to page 8 : Quick Starting Guide.

# 2

## Package Contents

Before using this player, please make sure that you received all the following items in good order with your purchase. Some of the items listed here may not come standard with your player and are offered for optional purchase. For additional optional equipment and accessories for the DVD player, visit the Audiovox web site at [www.audiovox.com](http://www.audiovox.com) or contact Customer Service at 1-800-290-6650.

**Package Contents**

- 1. DVD Player - one
- 2.AC/DC Power Adapter - one
- 3. Audio Signal Cable - one
- 4. Video Signal Cable - one
- 5. S-Video Signal Cable - one
- 6. Earphones - one
- 7. Power Cord - one
- 8. Wireless Remote Control - one
- 9. CR 2025 Battery for Remote Control - one
- 10. Users Manual - one

11. Rechargeable Lithium Battery Pack

12. Vehicle Power Adapter

13. Battery Charger

**NOTE:**

This DVD player can utilize a Digital Optical Fiber Signal Cable for improved audio signal output. This cable can be purchased at your local electronics store.

# 3

## Quick Start Guide

! If you want to use rechargeable batteries for this DVD player, please first read the instructions on page 55.

### Connecting to an External Power Source

Connect the power cord (provided with the player) to the side input plug and to a wall outlet. The use of any other power supply device may result in unstable voltage or power spikes that could damage the player. Do not use the provided power cord with any other devices. The transformer on the end of the power cord will feel slightly warm during player operation or when plugged into a socket. This is normal and no cause for alarm. When the player is not in use, always unplug the transformer from the power source.



### Open the protective cover

! The cover opens to a maximum 180° only. Do not try to open it any further. The player's liquid crystal display (LCD) is located on the reverse side of the cover. Take care not to scratch or mar the screen with sharp objects. Close the cover when the player is not in use.



### Press the open button on the left to open the internal CD player cover



! Never press the OPEN button on the left during player operation. During play, first press the STOP button to cease play and then open the CD cover.

⚠ Never look directly at the laser-emitting device while the CD player cover is open to prevent eye damage by the laser light.



### Inserting a DVD disc

Align the center of the DVD disc with the center hole of the DVD player. Gently press down on the DVD to snap the disc into place. Close the player cover. Make sure that the laser-emitting device is never bumped or contaminated by dust, etc. When the DVD player is not in use, try to keep the cover closed as much as possible to avoid contamination by dust.



### Press the ► (PLAY) button on the player face



In most cases, the DVD already inserted into the player will begin playing automatically when power is turned on. If you insert a DVD and close the player cover after turning on the power, the DVD should also begin to play automatically.

To stop play, press the stop ■ button. Remember to turn off player power as well .

❗ After pressing the stop button the loaded disc will continue spinning.

### Slide the side power switch to on/off

This switch is spring-loaded and will return to its middle position once switched on. Sliding the switch once again in the same direction will turn power off.



### The DVD player will immediately start

#### Playing the DVD program

When you want to stop , press the stop ■ button and slide the ON/OFF switch to the left to shut off power and then close the cover.

## 4. Player Functions

# 4

## Player Functions

1

### Multiple DVD Format Compatibility

This DVD player can play the following disc formats: DVD, VCD, music CD and MP3. The player automatically recognizes the appropriate format, so all you have to do is put in the disc, sit back and enjoy.

2

### Large Active Liquid Crystal Display (LCD) Screen

This DVD player comes with a 7-inch large format LCD screen. The screen affords high-resolution, low glare, zero radiation emissions, and high clarity. Further, the screen supports a 16:9 display format compatible with that used by the most advanced DVD output. The RGB true color display delivers accurate and rich on-screen images.

3

### Onboard Two Channel Speakers and Earphone Plug

Two onboard speakers allow you to enjoy this DVD player without cumbersome add-ons. You can plug in your earphones to enjoy high clarity sound or enjoy a program without bothering those around you. The onboard earphone plug is an industry standard 3.5mm plug, compatible with all the best earphones available in the market.

4

### Digital Signal Output

This DVD player provides a fully digital output, allowing full enjoyment from DVDs with surround sound or DTS when the player is connected to a digital amp. The resulting 5.1 channel, theater sound, is on par with the best movie theaters.

5

### Broad Signal I/O Capabilities

Through the AV plug the DVD player can output to a broad spectrum of devices, including television monitors, amplifiers, tape recorders, and video projectors. Similarly, the DVD player can receive signals from an array of devices, including VCRs, video cameras, and even amplifiers, for broadcast over its internal speakers, earphones and LCD monitor.

6

### Automatic Power Saving Design

On battery power, when your player has been shut off for a while, the player automatically enters the power saving mode. The power used in this mode is minute, but it is still sufficient to keep the player on active standby, ready to restart immediately upon power on. Please refer to page 16 for further information.

## 5

## Player Controls (1)



## 1 Active Liquid Crystal Display

This player is equipped with a 7-inch, 16:9, non-radiation emitting large screen TFT panel. The display delivers colors that are sharp and vivid.

## 2 " BRIGHTNESS "Button

Turning the " **BRIGHTNESS** "button allows you to adjust the brightness level of the LCD screen.

## 3 " COLOR "Button

Turning the " **COLOR** "button will allow you to adjust the on-screen color balance.

## 4 " DISPLAY MODE "Button

Pressing the " **DISPLAY MODE** "button will cause the screen to display size ratio information. You may choose between 16:9 display, cinema mode, normal display and off. Continuing to press the " **DISPLAY MODE** " button will cycle you through the choices. The default value is 16:9.

## 5. Player Controls (2)

### Player Controls (2)



#### 1 “ENTER” Button and Direction Selection

The “**ENTER**” button has two functions. The first function is to confirm selections within the setup mode (please refer to page 31, System Settings). The up, down, left or right buttons are pushed to choose a selection and then the “**ENTER**” button is pressed down to confirm the setting. The second function is to confirm a title selection after pressing the “**Title**” or “**MENU**” button. You can scroll through the choices (please refer to the next section) and once the selection is made the “**ENTER**” button is pressed and the selection is executed. The “**ENTER**” button is also available on the remote control. Refer to page 24 for relevant instructions.

#### 2 “RETURN” Button

After pressing “**SETUP**” and making relevant selections within this mode, press “**RETURN**” to return to the next highest level within the mode. The “**RETURN**” button is also available on the remote control. Refer to page 23 for relevant instructions.

#### 3 “MENU” Button

The vast majority of DVDs are designed to permit users to choose from various “**chapters**” or “**sections**”. Pressing the “**MENU**” button will allow you access to the main menu screen containing the names of available chapter sections on the DVD. Scroll through the menu using the up, down, left, right buttons through to choose the desired chapter (or other selection), then press “**ENTER**” to confirm. Some DVDs come with various levels of selection options. Follow on-screen instructions and select the desired item. This button is also available on the remote control. Refer to page 23 for relevant instructions.

ⓘ When you push the “**MENU**” button longer than 1 second, the player will automatically enter the GUI (Graphical User Interface) mode. For detailed instructions please refer to page 29, Remote Control Buttons.

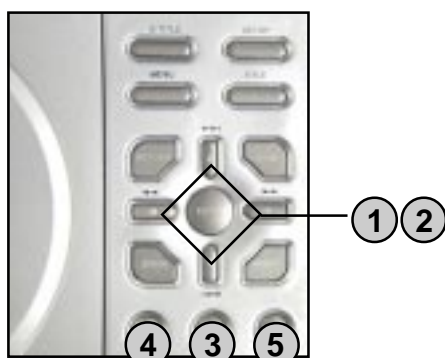
#### 4 “SETUP” Button

After pressing the “**SETUP**” button you can select various user preferences by following the on-screen instructions.

#### 5 “TITLE” Button

While in play, the DVD player will operate interactively with the installed DVD. Pressing the “**TITLE**” button during play of some discs will result in the name of the title, or the publishers name to be displayed. Regardless of the display, follow subsequent on-screen instructions regarding buttons to be pushed next. The “**TITLE**” button is also available on the remote control. Refer to page 23 for relevant instructions.

## Player Controls (3)



### 1 Directional keys “▶,◀,▲,▼”

Press the key to execute the directional key function. In addition, you can use the directional keys to scroll through options on the menu to choose song while playing VCD 2.0 disc.

### 2 Fast forward ▶▶, Reverse ◀◀, Next ▶▶, Prev ◀◀

Press the “▶▶” key down for about 2 seconds if you want to operate fast forward function during playing. You will see the signal “▶▶ x2” shown at right bottom corner of the screen, the screen images will move forward at 2x speed. By pressing the “▶▶” two or three times will increase speed to 4x and 8x respectively and four times to circle through this function. Using the same method to operate “◀◀”, “▶▶”, “◀◀” key. Press “▶” PLAY key to restore speed to normal play. The sound will disappear while operating “fast forward” and “reverse” functions. These keys are also available on the remote control.

### 3 “■” STOP Button

Pressing the stop ■ button will stop play, although the disc will remain in motion. Pressing the ▶ button soon after pressing stop will cause the player to pick up at the place just left off (i.e. memory play). Pressing the ■ button twice will cause play to cease and the memory play function to be disabled. The button is also available on the remote control. Refer to page 25 for relevant instructions.

❗ After pressing the ■ button the disc will remain in motion. If the player is running on battery, be aware that player is consuming battery power.

### 4 “||” PAUSE Button

Pressing the || button will pause play. If a music CD is paused, the music will temporarily stop. If a video disc is played, the screen will temporarily freeze. Pressing the “PAUSE” button again will advance the video output frame by frame, one push one frame, but a music CD will be restored to normal play. During pause, pressing the ▶ button will immediately disable pause and return video and audio output to normal play.

While paused, the disc will still rotate, but as there are no contact parts, you need not worry that an extended pause will cause damage to the disc as happens with conventional magnetic music tape. However, do remember that while in pause, the player is still drawing the same amount of power as in play mode. This button is also available on the remote control. Refer to page 25 for relevant instructions.

### 5 “▶” PLAY Button

Pressing the ▶ button will immediately play the disc installed in your DVD player. This button is also available on the remote control. Refer to page 25 for relevant instructions.

## 5. Player Controls (4)

### 6 OPEN Button to open the internal player cover

Press the “ **OPEN** ” button to open the internal player cover and change discs. Make sure that the cover is kept closed. As long as the cover is open, the DVD player will not start broadcasting.

**! WARNING:** Do not over extend the cover to avoid breaking the hinge.

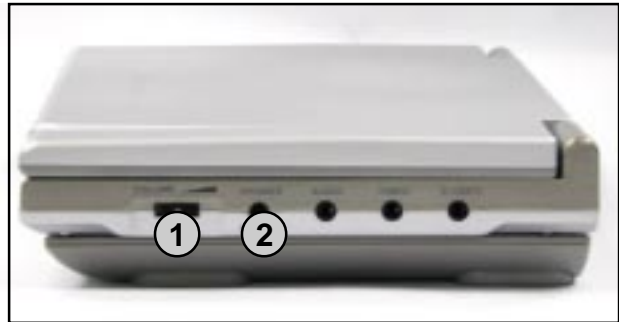


**!** 1. When playing a Disc ( DVD/VCD/CD ), please adjust the volume between “ 0 ” to “ 8 ” to get the best sound performance. To avoid damaging the speakers, please do not adjust the volume too high, such that, the sound of the speakers is distorted.

NOTE: For some low sound level recorded disc, you may need to adjust the level above “ 8 ” .

2. Before using earphone, please make sure that the volume is turning to “ 0 ” first, then slowly turn up the volume to your most comfortable sound level.

## Player Controls (4)



### 1 Volume Control Knob

This knob is used to control output volume to both the speaker and earphones. Take care not to have the volume up too high while listening with earphones to protect your hearing and to prevent distraction while performing other tasks. When audio is routed to other devices, the volume control no longer functions and volume adjustment must be assumed by the secondary device (such as an amplifier).

### 2 Earphone Jack

You can plug in a 3.5 mm standard earphone plug and enjoy high quality sound, or you can connect large earphones with an intermediary plug for even higher audio quality .

The player’s speakers will automatically disable once earphones have been plugged in. Prior to removing earphones, please check that the volume levels are low enough to prevent unnecessary shock to the speakers and people around you as well.

Furthermore, the earphone jack can also transmit digital optical fiber signals.

## Player Controls (5)



### 1 AV Signal Jacks

Depending on the position of the " **INPUT OUTPUT** " switch, the DVD player can accept external inputs and provide an output signal through the standard AV jacks.

When " **INPUT** " is selected (right) on the " **OUTPUT INPUT** " switch the player is ready to accept data input from an outside source. When " **OUTPUT** " is selected (left) the data may be sent to a variety of devices, including television, amplifier, VCR, tape recorder, video camera, laser disc player, and so on. During output the player will continue to display video on its screen and broadcast sound from the speakers.

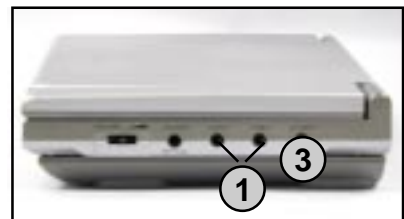
Please note when installing the AV wires that the white wire is designated for the left speaker, the red wire for the right speaker, and the yellow wire is for the video signal.

In the " **INPUT** " mode the player will accept inputs from an amplifier, VCR, tape recorder, video camera etc. for broadcast on its onboard LCD screen and speakers. Input signals are given precedence over any disc currently running on the player.

### 2 INPUT - OUTPUT Switch

Moving the switch either to the left or right will set the player to provide input or output signals (refer to section 1). When the switch is set to the left (**OUTPUT**), the player will output AV signals to outside sources. When set to the right (**INPUT**), the player will input AV signals from outside devices.

**!** Important: Once set to the " **INPUT** " position, all player sound and video output will cease in preparation for external AV input. Therefore, during normal operation, please make sure this setting is on " **OUTPUT** ".



### 3 S-VIDEO Output Port

For higher quality video output the player provides an S-Video output port. Any device capable of accepting an S-Video signal can receive data through this port. Note that the S-Video port handles only the video signal. Audio channels will still use the audio jacks.

## 5. Player Controls (6)

### Player Controls (6)



#### 1 DC IN Power Jack

This DVD player is supplied with an AC/DC adapter for use in the home or for long-periods. Plug one end into a power socket and the other into the DC IN power jack for immediate use.



**Important:** Use only the Audiovox approved adapter. Use of other adapter may damage the player.

#### 2 Power ON/OFF Switch and System Lock

This switch turns the player on and off. Pushing the switch once to the left turns the player on. Pushing once again to the left turns the player off.

If you press the “ **ON/OFF** ” switch to the right to “ **HOLD** ” position, it will lock the system in place. At this point the player is locked and pressing any key will have no effect on the player.

Once the player has been switched on and the protective cover opened, the LCD screen will display a welcome message. This alone consumes significant power. If you are running on batteries and not planning on playing a disc immediately, it is recommended that you do not open the cover in order to save power.



#### A note regarding automatic power saving

Once power has been shut off on the main player unit, the system enters wait mode and is prepared to respond immediately to a power on request. In wait mode, the system uses only a minimum amount of electricity and the LCD status window on the front of the main player module will read “ **OFF** ” (please refer to page 17 for further information). The player may be turned back on using the “ **POWER** ” command on the remote control or by switching the “ **ON/OFF** ” button on the left side of the player. When running on battery power, once the player has been off for a period of some time, power consumption will be even further reduced (sleep mode) and the LCD status window on the front of the main player will display no message. To start the player again you must push the “ **POWER** ” button on the remote control, or the switch the “ **ON/OFF** ” button on the player.



If you plan to suspend use of the player for a significant period of time, it is recommended that the power cord (or batteries) be removed to prevent unnecessary power drain.

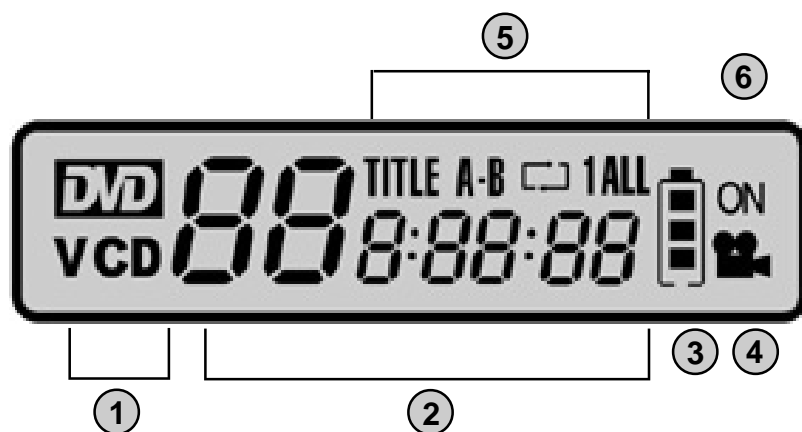


## Player Controls (7) Play Mode LCD Screen

The Play Mode LCD Screen is located in the front section of the DVD player and programmed to display a variety of display data, including chapter number, play time, repeat mode, battery status, charge mode and so on.

When power to the player has been removed, the screen will display "OFF" (please refer to page 16 for further instructions).

When running on battery power and main power has been switched off for five minutes, the LCD screen will go fully blank. Please refer to page 16 for further information regarding automatic power saving features.



### 1 Disc Type

The DVD player automatically detects the type of disc installed at any given time and will display the type of disc on the LCD screen - ( DVD, VCD, CD, etc.) If the player is currently in the " Stop " mode, the disc type will flash.

### 2 Chapter Number and Play Time

Regardless of the type of disc played, the chapter number and chapter time elapsed will be displayed (hours, minutes, seconds) .

When play is paused, numbers in this area will flash.

## 5. Player Controls (7)

### 3 Battery Status

This symbol displays the charge level currently remaining in the installed battery. Please refer to the chart on the right to determine reserve levels indicated by each display level.

If the battery symbol is flashing this indicates that battery reserves are at 10 percent or less. Recharging is recommended at this point. A battery kept at low reserves for an extended period of time is subject to damage and a shorter life span. Please refer to page 55 for a description of how to recharge, as well as important information regarding battery usage and maintenance.

Level.....	Reserve Power
3.....	Fully Charged
2.....	70%
1.....	30%
Flash.....	< 10%

### 4 Angle Symbol

Some DVDs offer a selection of viewing angles for certain chapters. This symbol will light up to indicate that the current chapter has more than one angle from which to choose. Different angles can be chosen using the " **ANGLE** "button on the remote control (refer to page 29).

### 5 Repeat Mode Display

Once a repeat function has been chosen for a disc (please refer to page 22), the Repeat Mode Display will indicate which option has been selected (see right).

Display.....	Repeat Mode
TITLE.....	Title (DVD)
1.....	Current Chapter/Song
ALL.....	Enter Disc
A-B.....	Between Two Points

### 6 Virtual Surround Mode

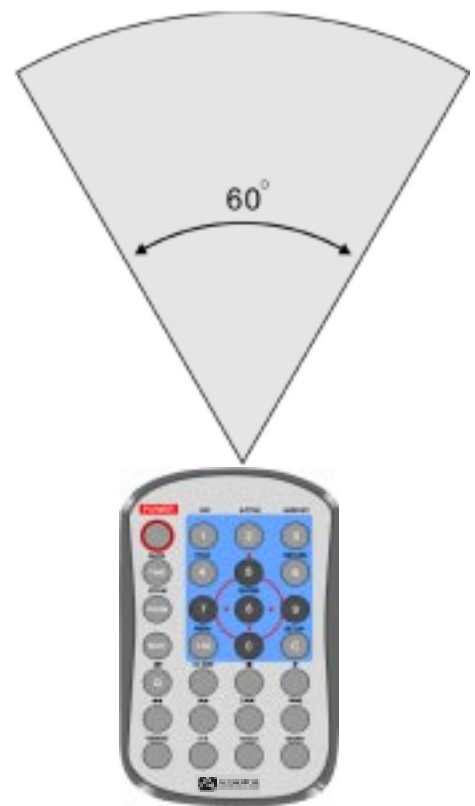
Pressing the " **Q** " key on the remote control will change the system's normal two channel sound into a surround sound system. When activated, " **ON** "will be displayed on the LCD screen. The " **Q** " surround function creates a synthesized three-dimensional surround sound. With the hook-up of external speakers you can fully enjoy this sound effect experience. Please refer to page 28.

# 6

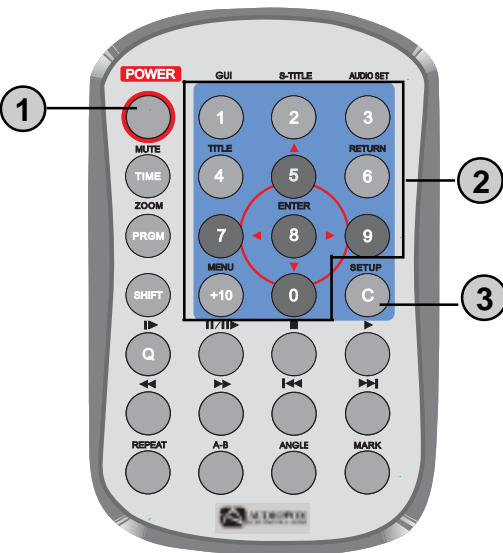
## Remote Control Buttons

The remote control included with this DVD player offers convenience as well as some special functions that can be accessed only through the remote control. Therefore, please take care not to lose or damage your remote. Also, when you take your DVD player out for a spin, don't forget to pack the remote as well.

To work the remote control, please make sure you are in front of the player, preferably not further than 23 feet (7 meters) away. Pickup is contained within a sixty-degree radius. In small spaces, you may be able to bounce the signal off other objects if a direct path is blocked.



## 6. Remote Control Buttons



### 1 “ POWER “Button

This switch turns the player on and off. When player power is off, it is in the wait mode, awaiting instructions from the remote. In wait mode the player consumes only a small amount of power, however, if you don't plan to play a disc immediately, it is recommended that you pull out the power cord or remove the battery to save power.

Once the power has been switched on and the player's cover opened, the LCD will display a welcome message. This alone consumes significant power. If you are running on batteries and not planning on playing a disc immediately, it is recommended that you do not open the cover in order to save power.

### 2 Number Keys

Pressing the number keys will enter the pressed numbers into the player module. In most cases the numbers are used to select disc chapters. For example, to select song number three on a disc, press “ 3 “. To select a song above the number 9, press “ +10 “and the appropriate number. To select, for example, number 23, press “ +10 “twice and then ” 3 “.

When executing system setting commands, occasionally the entry of numbers is required, for example for entry of a password number, setting language preferences, etc. Refer to page 31 for a more complete description of system setting operations.

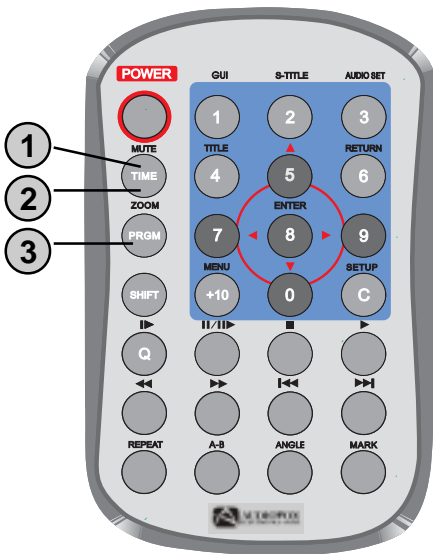
### 3 C - (SHIFT + SETUP) (Clear) Button

During operation of the DVD player you will need to enter numbers regularly. If you wish to clear numbers in the screen, press the “ C “ button. Also, during execution of any setting for which a graphic appears on-screen, simply hit these buttons if you wish to clear the numbers, setting, or graphic.

1:	[SHIFT] + [GUI]
2:	[SHIFT] + [S-TITLE]
3:	[SHIFT] + [AUDIO SET]
4:	[SHIFT] + [TITLE]
5:	[SHIFT] + [▲]
6:	[SHIFT] + [RETURN]
7:	[SHIFT] + [◀]
8:	[SHIFT] + [ENTER]
9:	[SHIFT] + [▶]
0:	[SHIFT] + [▼]
C:	[SHIFT] + [SETUP]
+10:	[SHIFT] + [MENU]

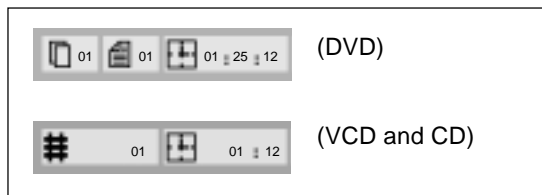
### 1 “MUTE” Key

Pressing the “MUTE” key will activate your player’s mute function. While sound will cease on any played program, normal video images will continue to be broadcast. When the “MUTE” key is pressed, a MUTE message will appear in the bottom right corner of the viewing monitor. To restore sound, press the “MUTE” key once again and a “UNMUTE” message will then appear on-screen.



### 2 TIME (SHIFT + MUTE) Key

The following will appear when you press the “SHIFT” and “MUTE” keys:



This key is used to execute a chapter search. Press the up or down ▲ or ▼ key to scroll through the numbers and select the chapter you prefer.

### 3 PGRM (SHIFT + ZOOM) Key

The following will appear on-screen when you press the “SHIFT” and “ZOOM” keys:

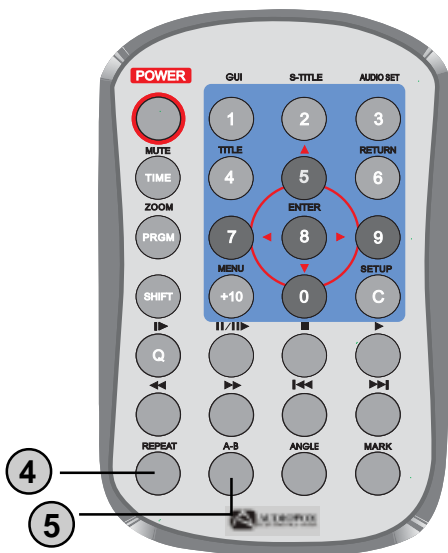


These keys are used to set the play order of various chapters (song, segments). This function is only available for VCD (when the play back control function is turned off) and CD discs. You can arrange and rearrange selections based on your own preference. Using the ▲ or ▼ key you can scroll up and down through the numbers and select one of the following two play modes:

## 6. Remote Control Buttons

1. Random (RND): Songs/segments are played in a computer selected random order.

2. Programmed (PRG): Songs/segments are played in a pre-set order. This order may be set by repeatedly entering the chapter (song, segment) numbers. The LCD display on the player can be double-checked to make sure the proper numbers were received.



### 4 REPEAT Key

The following will appear on-screen when you press the “REPEAT” key:



This key is used to set a repeat command. While the symbol is displayed, press the  $\blacktriangle$  or  $\blacktriangledown$  key to select. You can choose between repeating a chapter” C “(, song, segment), the entire disc” C “, and the track / title” T “. When you do not wish to repeat, press the cancel” C “button.

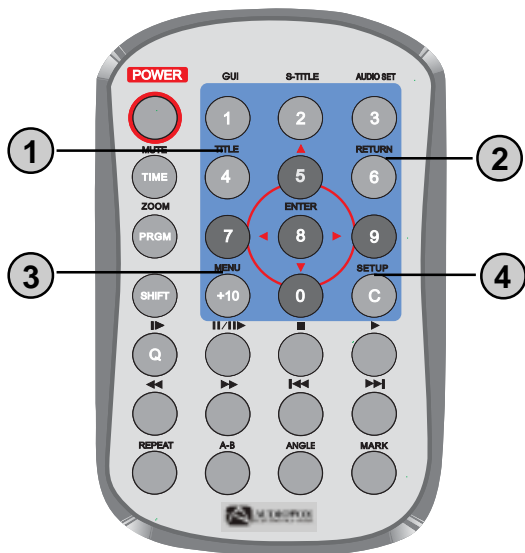
### 5 A-B Key

The following will appear on-screen when you press the “ A-B ”key:



This key is used to set play between two different points. Pressing the key once for the A value and once for the B will lock in the two values and permit continuous play between those numbers. If you want to cancel repeated play between two points, just press the “ A-B ”key once more.

Important: If you are playing a DVD disc, the two points set will be automatically erased once the program crosses a TITLE divide or once the “ MENU ” key is pressed.



## 1 TITLE Key

Pressing the " **TITLE** " key brings up the DVD title screen. The majority of DVDs have a selection menu, which allows selection of a title or some pre-set sections. Some DVDs also permit you to select language and sound preferences in this screen. Once you have entered the title screen, follow the instructions to choose your preferences and then press " **ENTER** " to confirm choices and close out the screen. Please refer to page 12 for corresponding buttons on the player.

## 2 RETURN Key

While programming settings you will encounter many menu levels. When finished making your selection in a certain level by pressing the " **RETURN** "key this will take you to the level immediately above the current one. Please refer to page 12 for corresponding buttons on the player.

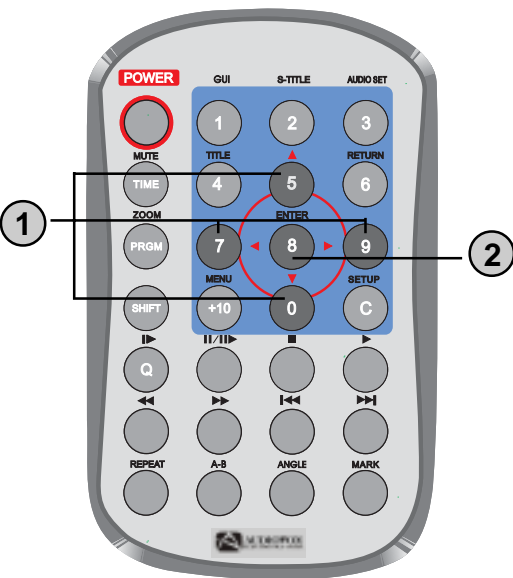
## 3 MENU Key

Pressing the " **MENU** "key will take you to the main menu screen of the DVD. In this menu, based on the disc format, you can choose titles / chapters and/or perform certain setting operations (e.g. language settings). Not all DVDs offer comprehensive setting functions. What is available on any disc depends upon the publisher. Please refer to page 12 for corresponding buttons on the player.

## 4 SETUP Key

When the player is in the stop mode, pressing the " **SETUP** "key will take you to the system setup menu. The setup menu permits access to a number of basic system variables. Please refer to page 31 for more detailed information on setup options. Please refer to page 12 for corresponding buttons on the player.

## 6. Remote Control Buttons



### 1 Directional Keys

These four directional keys permit you to scroll through options in order to make selections. Please refer to page 31 for more detailed instructions.

These keys are also necessary to make program play selections once you are in the “**MENU**” screen of a DVD or VCD.

Furthermore, pressing the “**GUI**” (on-screen display) key will display the options menu on the main monitor screen. Scroll through the menu to set your preferences.

Please refer to page 12 for corresponding buttons on the player.

### 2 ENTER Key

Once you press the “**SETUP**” key you enter the system setup mode. Use the ▲▼

◀▶ keys to make your selections and then press “**ENTER**” to confirm the choices.

Please refer to page 12 for corresponding buttons on the player.



### 1 PAUSE / STEP Key

Pressing the **|| / ||▶** "PAUSE/STEP" key will freeze play at its current position. In the case of a video disc the image will freeze on the screen, with a music CD the sound will stop. Pressing the pause key more than once will advance the image on screen frame by frame. Press the **▶(PLAY)** button to resume normal play. Please refer to page 13 for corresponding buttons on the player.

### 2 STOP Key

Pressing the "STOP" key will cause play to cease immediately. The system returns to the main window, but the disc will continue spinning at normal speed. If you are running on batteries be aware that the player is still consuming battery power. Please refer to page 13 for corresponding buttons on the player.

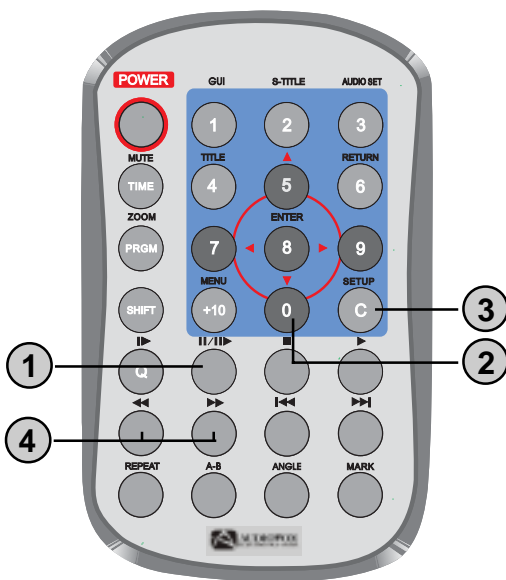
### 3 PLAY Key

Press the **▶ (PLAY)** key to begin playing a disc. Please refer to page 13 for corresponding buttons on the player.

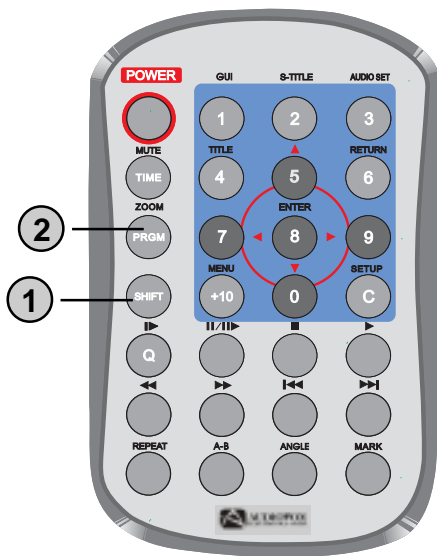
### 4 SEARCH Key

While playing a DVD or VCD you can press **▶▶** or **◀◀** to fast forward or reverse at twice normal speed through the program. Pressing the key two or three times will increase search speed to 4x and 8x, respectively. To restore speed to normal press the "PLAY" key.

Pressing **▶▶** or **◀◀** for over one second will change their function into skipping the next **▶▶|** or **|◀◀** previous chapter/song respectively. Please refer to page 27 for more information on these two functions.



## 6. Remote Control Buttons



### 1 SHIFT Key

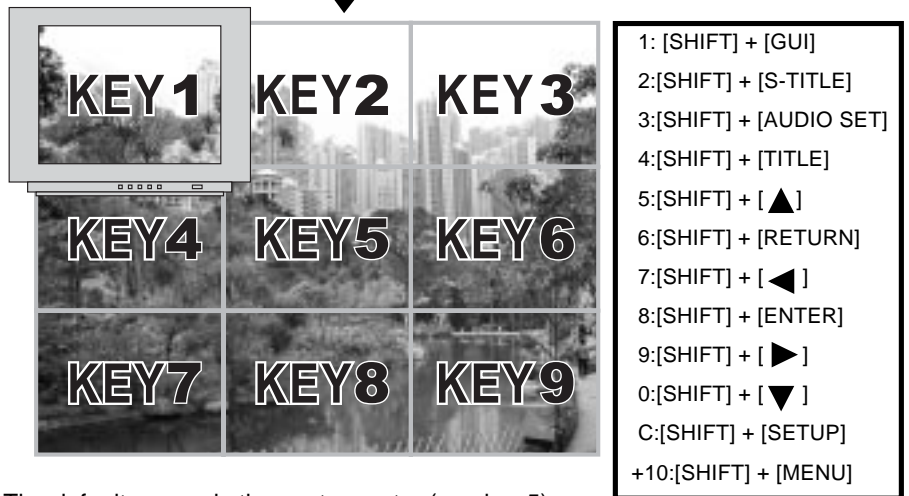
This key must be used in conjunction with other keys.

### 2 ZOOM Key

After pressing the "ZOOM" key, the video image will be enlarged 9 times. At this time, a "ZOOM" message will appear in the upper right corner of the screen. Selecting from 1 through 9 on the remote control will display a full-screen image of one of the 9 sectors identified in the picture below (upper left corner), while pressing "8" will display a close up of sector eight (lower middle screen).

The following diagram shows the screen that will be displayed when the "1" key is pressed.

9x screen image



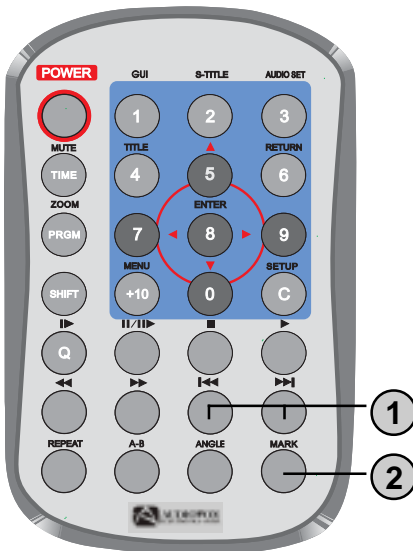
The default screen is the center sector (number 5).

To cancel the zoom function, press again the "ZOOM" key .

**SHIFT + ◀◀ (Slow Motion)**

Press the **SHIFT** key and then the **◀◀** key to switch the player into slow motion mode. Press once for 1/2 speed and twice for 1/4 speed play. This function is valid only for video discs and will not work with audio discs. In slow mode the audio output will be disabled.

To cancel slow play, press the **▶** key to resume normal speed play.

**1 PREV/NEXT Key**

Pressing the **◀◀** or **▶▶** keys will cause a CD to skip to the song immediately previous or after the current. On a DVD or VCD the player will immediately skip to the following or preceding chapter.

**2 MARK Key**

The following will appear on-screen when you press this key:



This command sets the start position for the memory function. While a disc is in play, press the **MARK** key to bring up the above symbol, then use the **◀** or **▶** keys to move the cursor over any one of the five positions to the right of the symbol. Press **ENTER** to confirm.

The current play time will be recorded, up to a maximum of five positions. If you wish to skip forward to any one of the selected positions, again use the **◀** or **▶** keys to make your choice and then press **PLAY** to begin playing the selection. Position memory will be erased automatically when a disc is removed from the player.

Please note that when you are playing a VCD, the play back control function must be switched to off before position memory can be used. Please refer to page 40.

## 6. Remote Control Buttons

### 1 Q SURROUND Key

Via a virtual surround system the Q surround function produces a 3-dimensional sound effect. When external speakers are configured, you can enjoy full surround sound at home.

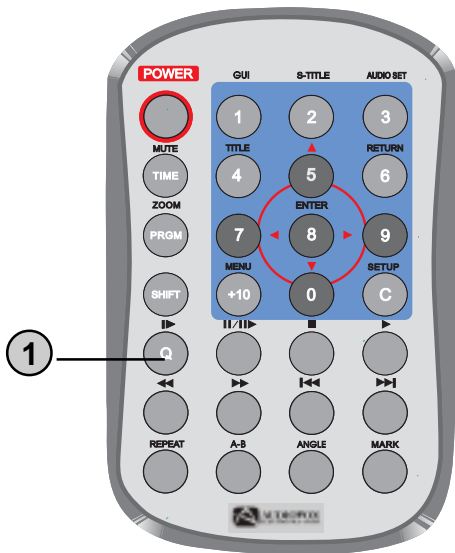
When pressing this key continuously during play, a Q SOUND ON and Q SOUND OFF message will appear on-screen to inform you the surround sound status.

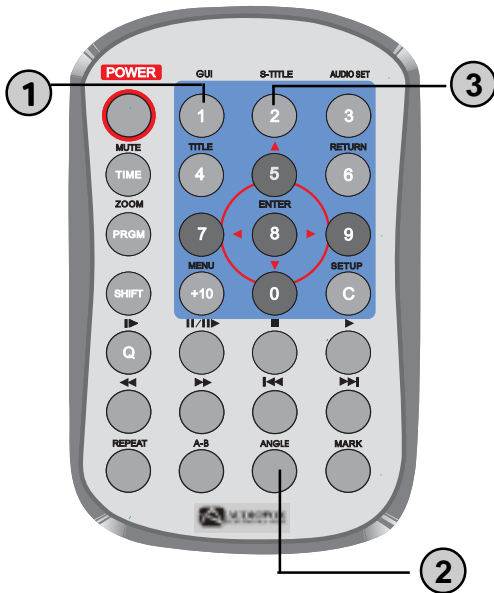
The following image will appear on the TV screen when you press the “ **AUDIO SET** ” key while playing a DVD (refer to page 30). Select the “ Q ” by pressing the ◀ or ▶ key and then use the ▲ or ▼ key to activate or cancel the Q surround function.



When the surround function is activated, the word “ ON ” will appear next to the Virtual mark on the player's LCD.

The Q Surround function is not effective on DTS DVDs.





### 1 GUI (ON SCREEN DISPLAY) Key

Clicking the “ **GUI** ”key will bring up the overhead control bar at the top of the screen. This screen allows you to perform many different setting functions. Pressing this key will not stop the play currently in progress, so that you can immediately view the results of changed settings. Please refer to page 41 for more information regarding title screen operations.

### 2 ANGLE Key

Some DVDs have been filmed with more than one camera and offer the option of viewing a scene shot from several different angles. When this option is available on your DVD, you can press the “ **ANGLE** ”key and then use the key to change between the different viewing angles.

### 3 S-TITLE ON/OFF Key

The following will appear on-screen when you press this key:



Most DVDs have the option to view subtitle script. Click on the “ **S-TITLE** ”key and use the **▶** or **▼** key to move to the left of the image. Then use the **▲** or **▼** key to select the language of choice (e.g. English, Chinese, Thai). By moving the cursor to On/Off in the on-screen menu and then clicking the **▲** or **▼** key, the subtitle display is activated or cancelled. This can also be achieved by directly pressing the “ **ON/OFF** ”key. There are no standard set of language options for DVDs with some DVDs offering only one. Please refer to the DVD packaging to determine whether it offers subtitles and in which languages. Some films are produced with subtitles already on-screen. Such films typically do not offer other language subtitle options and the viewed subtitles cannot be removed from the screen.

## 6. Remote Control Buttons

### 1 AUDIO SET Key

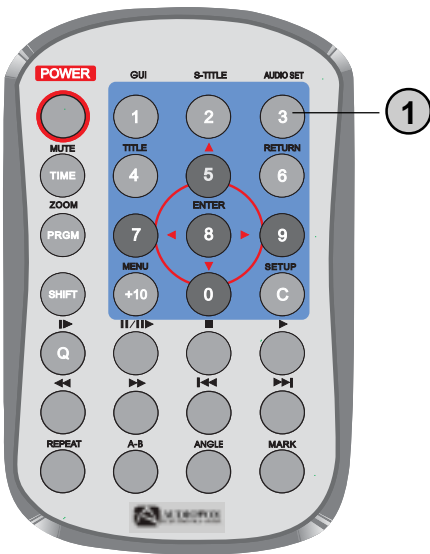
Discs come in different formats, but after pressing the “ **AUDIO SET** ”key an image similar to the following will appear on-screen:



Press the **▶** or **◀** key to move the cursor to the left column and then use the **▲** or **▼** key to select the language of choice. This function cannot be activated on discs not containing encoded languages.

While playing a DVD or VCD, the center column displays the audio signal code of the current disc, which cannot be altered. When playing a VCD you can use the **▲** or **▼** key to select “ Left ”(audio output through the left channel), “ Right ”(audio output through the right channel) or “ Stereo ”(two-channel 3-dimensional audio output).

The **▶** or **◀** key can be used to move the cursor to the right “ **Q** ”column and with the **▲** or **▼** key the Q surround function can be activated or cancelled (refer to page 28).



## 7

## System Setting

Pressing the “**SETUP**” key (on the player or the remote) once the player is in the stop mode will bring up the full array of system settings and their default values. These settings control the majority of player functions, e.g. broadcast language, rating level, and password protection and many others.

Once you have made changes to settings, the new variables will be saved and employed on all future plays, regardless of disc format / content. While playing a certain disc, if you wish to make temporary setup changes, press the “**GUI**” (On Screen Display) key to make the desired changes that will affect only the current broadcast. Please see the next chapter for more information regarding temporary setting changes.

If no setting changes are made within two minutes after the “**SETUP**” key is pressed, the system will return automatically to the main screen.

### ON SCREEN MENU / Language Select

Pressing the “**SETUP**” key on the player or the remote will display the system setting menu on the TV screen under the following two circumstances:

1. The player is powered but not playing a disc.
2. The player contains no disc.

The system setting menu contains 66 items, the first of which allows On Screen Menu settings and Language Selection. Use the ▲up and ▼down keys to scroll through and select your preference. Then press “**ENTER**” to confirm and go on to the next menu section.

The symbols used in this chapter carry the following meaning:

**ALL** This function can be used on all disc formats

**DVD** This function can only be used with DVD

**VCD** This function can only be used with VCD

**CD** This function can only be used with CD

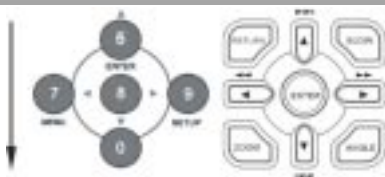
## 7. System Setting

### ON SCREEN MENU / Language Select

**SETUP MENU**  
Choose  $\blacktriangleleft$  the Item

1 ON SCREEN MENU	OFF	ENGLISH
2 DISC LANGUAGES		
3 DIGITAL OUTPUT		
4 TV ASPECT		4:3
5 RATINGS		LEVEL 8
6 PBC		ON

SELECT: ENTER COMPLETE: SETUP  
PREV. MENU: RETURN



**ON-SCREEN MENU**  
Choose  $\blacktriangleleft$  the Item

1 GUIDE MESSAGE		ON
2 ON-SCREEN MENU LANGUAGE		ENGLISH

SELECT: ENTER COMPLETE: SETUP  
PREV. MENU: RETURN

#### 1. GUIDE MESSAGE: [ON / OFF]

Scroll  $\blacktriangle$  /  $\blacktriangledown$  to the Guide Message option, press “**ENTER**” and select if you want this option on or off. When finished press “**RETURN**” on the player or remote control to return to the immediately preceding menu level. Or you can press “**SETUP**” to complete setting and exit the setup menu altogether.

ALL

#### 2. (ON-SCREEN MENU LANGUAGE): [ENGLISH / CHINESE]

Scroll  $\blacktriangle$  /  $\blacktriangledown$  to this option and press “**ENTER**”. This option allows you to change the language used to display information. Scroll  $\blacktriangle$  /  $\blacktriangledown$  to the display language of your choice, then press “**RETURN**” (on the player or the remote) to select and return to the immediately preceding menu level. Or you can press “**SETUP**” to exit the setup menu altogether. The following examples all show the screen in the English display mode.

ALL



## Select DISC LANGUAGES

The second item on the system setting menu is entitled "Set Disc Language". Use the up or down keys to scroll to this section and press "ENTER" to enter this setup screen.

**SETUP MENU**  
Choose  $\blacktriangle$  the Item

1	ON SCREEN MENU	OFF	ENGLISH
2	<b>DISC LANGUAGES</b>		
3	DIGITAL OUTPUT		
4	TV ASPECT		4:3
5	RATINGS		LEVEL 8
6	PBC		ON

SELECT: ENTER    COMPLETE: SETUP  
PREV. MENU: RETURN

**DISK LANGUAGES**  
Choose  $\blacktriangle$  the Item

1	AUDIO LANGUAGE	ENGLISH
2	SUBTITLE LANGUAGE	CHINESE
3	DISK MENU	OTHER

SELECT: ENTER    COMPLETE: SETUP  
PREV. MENU: RETURN

## 7. System Setting

### Select DISC LANGUAGES

#### 1. AUDIO LANGUAGE: [ORIGINAL / SPANISH / ENGLISH / OTHER]

Scroll up or down to the Audio Language selection, then press “ **ENTER** ”. Selecting Spanish, English or Other will give that language priority when playing a disc with language options. Also, you may enter a language code to make that language the audio language default choice. Please see the appendix for a complete list of all language codes. Once set, please press “ **RETURN** ” to select and return to the next menu level. Press “ **SETUP** ” if you want to exit the setup mode altogether.



#### 2. SUBTITLE LANGUAGE: [AUTO / SPANISH / ENGLISH / OTHER]

Scroll up or down to the Subtitle Language selection, then press “ **ENTER** ”. Selecting Spanish, English or Auto will place subtitles in that language when the played disc has that subtitled language. If you wish to choose a language not in this short list, you may enter a language code to make that language the subtitle language default choice. Once set, please press “ **RETURN** ” to select and return to the next menu level. Press “ **SETUP** ” if you want to exit the setup mode altogether.



#### 3. DISK MENU: [SPANISH / ENGLISH / OTHER]

Scroll up or down to the Disk Menu selection, then press “ **ENTER** ”. Selecting Spanish, English or Other will make the DVD generated selections displayed in your language of choice. You may select Spanish, English, or another (by language code).

Once set, please press “ **RETURN** ” to select and return to the next menu.



If your selected language is not available for the disc currently played, the player will automatically provide audio in the disc's default language.



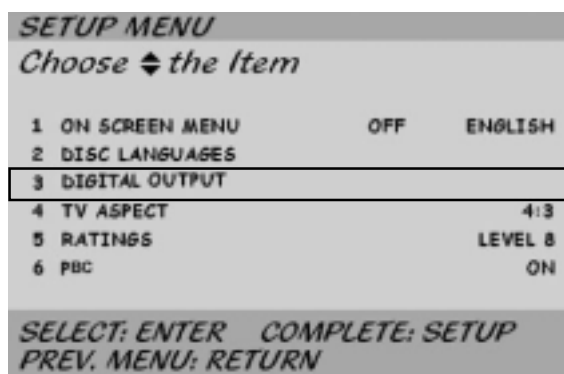
If your selected language is not available for the disc currently played, the player will automatically provide subtitles in the disc's default language.



If your selected language is not available for the disc currently played, the player will display automatically in the disc's default language.

## DIGITAL OUTPUT

The third item on the system setting menu is entitled “**DIGITAL OUTPUT**”. Use the up and down keys to scroll to this section and press “**ENTER**” to enter this setup screen.



## 7. System Setting

### DIGITAL OUTPUT

#### 1. DIGITAL OUTPUT: [BITSTREAM / 2CH, 48KHz, 16BIT PCM]

Scroll up or down to the Disk Menu selection, then press “ **ENTER** ”to choose the digital output from the player. If you have an external Dolby AC-3 digital decoder you can select “ Bitstream “. This option supports 5.1 channel surround effects. When you select “ 2CH, 48KHz, 16BIT PCM “, audio is exported through a normal digital signal. Once set, please press” **RETURN** “to select and return to the next menu level. Press “ **SETUP** “if you want to exit the setup mode altogether.

DVD VCD CD

## TV ASPECT

The fourth item on the system setting menu is entitled “ **TV Aspect** “. With this menu you have the option to select the 4:3 traditional screen format, or the 16:9 wide-screen format. The player uses 16:9 as default.

Use the up and down keys to scroll to this section and press “ **ENTER** “ to enter this setup screen.

### SETUP MENU

Choose  $\blacktriangle$  the Item

1	ON SCREEN MENU	OFF	ENGLISH
2	DISC LANGUAGES		
3	DIGITAL OUTPUT		
4	<b>TV ASPECT</b>		<b>4:3</b>
5	RATINGS		LEVEL 8
6	PBC		ON

SELECT: ENTER    COMPLETE: SETUP  
PREV. MENU: RETURN



### SCREEN ASPECT

Choose  $\blacktriangle$  the Item

1	WIDE TV	16:9
2	<b>NORMAL TV</b>	<b>4:3</b>

SELECT: ENTER    COMPLETE: SETUP  
PREV. MENU: RETURN

## 7. System Setting

### TV ASPECT

#### 1. WIDE TV - 16:9

Scroll up or down to the Disk Menu selection, then press “ **ENTER** ”to choose the display screen format. The 16:9 selection delivers a screen picture of a ratio 16 units wide and 9 units high. If you are viewing a wide-screen DVD program on a television with a wide-screen format display, you should choose the 16:9 option. Once set, please press “ **RETURN** ”to select and return to the next menu level. Press “ **SETUP** ”if you want to exit the setup mode altogether.

DVD

#### 2. (NORMAL TV - 4:3): [ LETTER BOX / PAN & SCAN ]

Scroll up or down to the Disk Menu selection, then press “ **ENTER** ”to choose the display screen format. Within the Normal TV selection you may choose “ **Letter Box** ”(full picture with black margins on top and bottom) or “ **Pan & Scan** ”(picture cropped on left and right margins). If you are viewing a 16:9 DVD program to a television with a traditional screen format display, you should choose one of the two Normal TV options. Once set, please press “ **RETURN** ”to select and return to the next menu level. Press “ **SETUP** ”if you want to exit the setup mode altogether.

Please see the box to the right for a graphic representation of picture display ratios.

DVD



Viewing a 16:9 image on a 16:9 wide-screen format display.



Viewing a 16:9 image on a 4:3 traditional screen format display with the “ Letter Box ”option.



Viewing a 16:9 image on a 4:3 traditional screen format display with the “ Pan & Scan ”option.

## RATINGS

The fifth of the six sections in the “**SETUP**” Menu is entitled “**RATINGS**”. As some DVDs are not suitable for children to view, an eight-point rating system was established to reflect the level of protection desired. When a DVD is attempted to be played that is rated higher than the value set, the player will issue a warning message on-screen, or, depending on the DVD, automatically halt play.

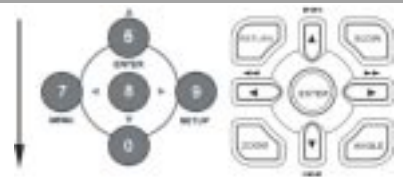
Use the up or down key to scroll to this section and press “**ENTER**” to enter the setup screen. There are a total of 8 choices. The higher the number value selected, the looser the rating restriction placed on DVDs permitted for viewing. Similarly, the lower the number, the stricter the criteria for viewing. Adult programs cannot be played at the lowest rating.

**!** Under normal conditions a password must be entered to change the rating value. When you enter the Rating menu and/or when you choose to change the current rating value, the player will return a password request. Please refer to page 51 regarding how to set and change a password.

**SETUP MENU**  
Choose  $\blacktriangle$  the Item

1	ON SCREEN MENU	OFF	ENGLISH
2	DISC LANGUAGES		
3	DIGITAL OUTPUT		
4	TV ASPECT		4:3
5	<b>RATINGS</b>		<b>LEVEL 8</b>
6	PBC		ON

SELECT: ENTER    COMPLETE: SETUP  
PREV. MENU: RETURN



**RATING SETTINGS**  
Choose  $\blacktriangle$  the Item

LEVEL 8	NO LIMIT (FOR ADULT)
LEVEL 7	
LEVEL 6	
LEVEL 5	
LEVEL 4	
LEVEL 3	
LEVEL 2	
LEVEL 1	MAX. LIMIT (FOR FAMILY)

SELECT: ENTER    COMPLETE: SETUP  
PREV. MENU: RETURN

## 7. System Setting

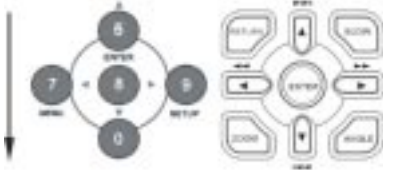
### PBC / VCD PLAYBACK CONTROL

The sixth item on the system setting menu is entitled “**PBC**” (PBC, VCD Playback Control). This option is only activated for VCD version 2.0 discs. The standard format for VCD is to return to the main menu after each segment has finished playing. If you do not wish to cut off at the end of each segment, you can turn the playback control “**OFF**”.

**SETUP MENU**  
*Choose the Item*

1	ON SCREEN MENU	OFF	ENGLISH
2	DISC LANGUAGES		
3	DIGITAL OUTPUT		
4	TV ASPECT		4:3
5	RATINGS		LEVEL 8
6	PBC		ON

*SELECT: ENTER    COMPLETE: SETUP  
PREV. MENU: RETURN*



**PLAYBACK CONTROL**  
*Choose the Item*

1	VCD	ON
2	VCD	OFF

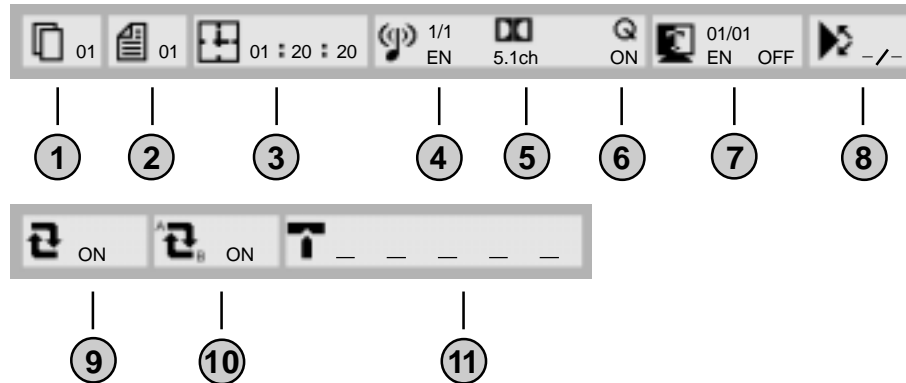
*SELECT: ENTER    COMPLETE: SETUP  
PREV. MENU: RETURN*



## 8

## Changing Settings During Play (for DVD)

Different from system settings you have the option of changing play / language settings for the current disc in play. Pressing the "GUI" (On Screen Display) button on the remote control will bring the title display menu up on screen. Using the directional keys on the remote control or the player will help you access a variety of playback control options. Pressing the "GUI" button once more allows you to enter the second title menu. Pressing this button the third time, or pressing "C" (Clear) will close the title menu.



### 1 Title Symbol

This field displays the current DVD title code. Press the ◀ or ▶ key on the player or remote control to go to this field, then press ▲ or ▼ to make a selection. Press "ENTER" to confirm and go to another selection topic.

### 2 Chapter Symbol

This field displays the current DVD chapter code. Press the ◀ or ▶ key on the player or remote control to go to this field, then press ▲ or ▼ to make a selection. Press "ENTER" to confirm and go to another selection topic.

### 3 Play Time Symbol

This field displays the play time of the current DVD program in the format [hours, minutes seconds]. Press the ◀ or ▶ key on the player or remote control to go to this field, then press ▲ or ▼ to make a selection. Press "ENTER" to confirm and go to another selection topic.

## 8. Changing Setting During Play - DVD

### 4 AUDIO Symbol

This field displays the current broadcast language code. Press the ◀ or ▶ key on the player or remote control to go to this field, then press ▲ or ▼ to make a selection. Press "ENTER" to confirm and go to another selection topic. Note that if a particular DVD does not support the selected language, this function will not work.

### 5 Sound Channel Symbol

This field displays the sound channel selection for the current DVD play, to remind you which sound system this disc uses. This field cannot be altered while the DVD is playing.

### 6 Q SURROUND Symbol

This field displays whether "Q" Surround is currently enabled. Press the ◀ or ▶ key on the player or remote control to go to this field, then press ▲ or ▼ to enable or disable this function. Pressing the "Q" Surround key on remote control to achieve the same effect. This function is not available for DTS discs. Please refer to page 28 for more detailed information regarding this function.

### 7 SUBTITLE Symbol

This field displays the current subtitle language preference. The variety of languages offered depends on the DVD currently broadcasted. Just press the ▲ or ▼ key and then "ENTER" to select another subtitle language. You can also elect to disable the subtitle.

### 8 ANGLE Symbol

This field displays the current angle selected. The amount of angle views available depends on the DVD currently being played. Press the ◀ or ▶ key on the player or remote control to go to this field, then press ▲ or ▼ to make a selection. Press "ENTER" to confirm. This function is invalid for DVDs that do not offer the option of multiple angle shots.

### 9 REPEAT Symbol

This field displays the current repeat preference for the DVD in play. Press the ▲ or ▼ key to select Chapter Repeat (C), Title Repeat (T), Disc Repeat (D), or Cancel.

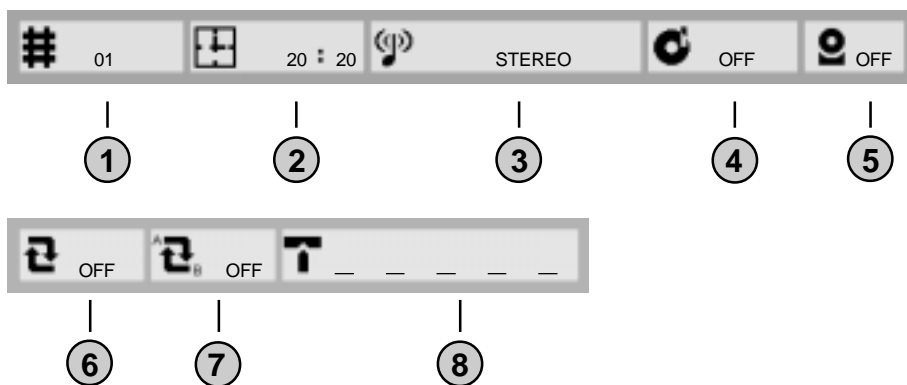
### 10 A-B REPEAT Symbol

Pressing this key on the remote control at two separate times (points) during disc play will cause the disc to repeat play between the two selected points. Pressing the "A-B" key again will automatically reset the start and end points.

### 11 BOOKMARK Symbol

This key sets the memory function. Use the ◀ or ▶ key to move the cursor over one of any of the five positions to the right of the symbol. Press "ENTER" to confirm. The current playtime will be recorded, up to a maximum of five positions. If you wish to skip forward to any one of the selected positions, again use the ◀ or ▶ keys to make your choice and then press "▶" to begin playing the selection. Position memory will be erased automatically when a disc is removed from the player.

## Changing Settings During Play (for VCD)



### 1 TRACK Symbol

This field displays the current play track. Press the ◀ or ▶ key on the player or remote control to go to this field, then press ▲ or ▼ to make a selection. Press "ENTER" to confirm.

### 2 Play Time Symbol

This field displays the play time of the current VCD program in minutes, seconds format.

### 3 AUDIO Symbol

Pressing the "AUDIO" key and then the ▲ or ▼ key to switch between two track output (stereo), left speaker only (left), and right speaker only (right) sound.

### 4 PROGRAM Symbol

This field displays whether a programmed play has been set. Press the ▲ or ▼ key to enable or disable programmed play. Please refer to page 45 for further information regarding programming.

### 5 VCD Playback Control ( PBC ) System

This field displays whether the VCD PBC is enabled. Press the ▲ or ▼ key to enable or disable this function. Please refer to page 40 for further information regarding Program Broadcast Control.

### 6 REPEAT Symbol

This field displays the repeat preference for the current VCD. Press the ▲ or ▼ key to select between current chapter or full disc repeat.

### 7 A-B REPEAT Symbol

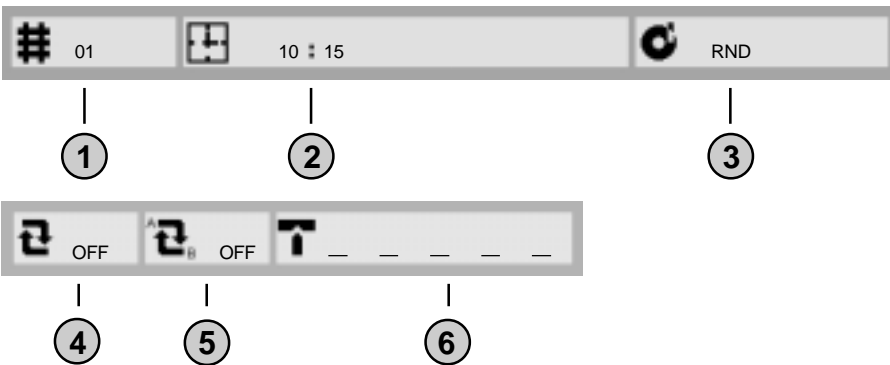
Pressing this key on the remote at two separate times (points) during disc play will cause the disc to repeat play between the two selected points. Pressing the ▲ or ▼ key will allow you to close or edit this function.

### 8 BOOKMARK Symbol

This key enables the positional memory function. Please refer to page 42 for details regarding this function.

## 8. Changing Setting During Play - CD

### Changing Settings During Play (for CD)



#### 1 TRACK Symbol

This field displays the current play track. Press the ▲ and ▼ keys to select a desired track.

#### 2 Play Time Symbol

This field displays the play time of the current CD program in minutes, seconds format.

#### 3 PROGRAM Symbol

This field displays whether a programmed play has been set. Press the ▲ or ▼ key to enable or disable programmed play. Please refer to page 45 for further information regarding programming.

#### 4 REPEAT Symbol

This field displays the repeat preference for the current CD. Press the ▲ or ▼ key to select between current chapter (song) or full disc repeat.

#### 5 A-B REPEAT Symbol

Pressing this key on the remote at two separate times (points) during disc play will cause the disc to repeat play between the two selected points. Pressing the ▲ or ▼ key will allow you to close or edit this function.

#### 6 BOOKMARK Symbol

This key enables the positional memory function. Please refer to page 42 for details regarding this function.


## 9

## Programmed Play

This player permits programmed play for music CDs and VCDs. You have the option of programming up to 30 different song tracks to be played in the order you prefer.

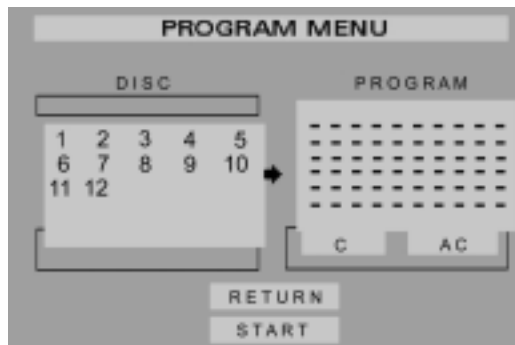
1. Place the CD or VCD into the player. While in play or after pressing "■" (STOP) press the "GUI" (On Screen Display) key located on the remote control. The following screen should be displayed:



2. Press the ◀ or ▶ key to place the cursor over the  field.

3. Under this field press the ▼ or ▲ key to scroll through the options OFF (disable play), RND (random play) and PRG (programmed play) located in the bottom right corner of the screen. Stop the cursor over PRG.

4. Pressing the "ENTER" key will call the following screen:




The left part of the screen will display all the available chapters (songs) on the current disc up to a maximum of 30. Scroll through these with the ◀ or ▶ key and press "ENTER" once you have selected a desired song. The number of the selected song should then appear on the right side of the same screen. Repeat the process up to a maximum of 30 choices.

## 9. Programmed Play

5. Press the ▲ or ▼ key until the cursor is over the word “ **Start** “. Click on “ **ENTER** ” to begin the play of songs in the programmed order.

6. If you wish to clear one selection from the program list, select that song and use the ▲ or ▼ key to select “ **C** ”(CLEAR) on the right side of the screen and press the “ **ENTER** ” key. This will clear the song from the play list and allow you to add a new one.

7. If you wish to clear the entire play list, follow the instructions above, but select “ **C** ”and press the “ **ENTER** ”key.

 In the event you wish to cancel programming actions during the programming process, use the ▲ or ▼ key to select the “ **RETURN** ”field at the bottom of the screen. This will allow you to exit this screen and cancel unsaved changes.

When playing a programmed sequence, if the “ **■** ”(**STOP**) key is pressed followed by “ **▶** ”(**PLAY**) the play list will begin from the first song on the CD or VCD and programmed sequence play is cancelled. However, the programmed play list is still valid and can be selected again by pressing the “ **Program** ”and then the “ **Start** ”key. Press “ **■** ”(**STOP**) if you wish to cancel a programmed play currently running. All program play data is automatically erased when the current disc is removed from the player.

When you are playing a 2.0 version VCD, the PBC function must be disabled before it is possible to program playing the sequence.

# 10

## Connecting AV Peripherals

You can connect your player to a wide variety of audio and video peripherals via the output ports located on the right side of the player module. Alternatively, you can configure a similarly wide array of input equipment to route AV signals into your player to utilize its high definition LCD screen and onboard speakers.

You must first make the correct adjustment to the “**INPUT OUTPUT**” switch in order to either output or input AV signals.



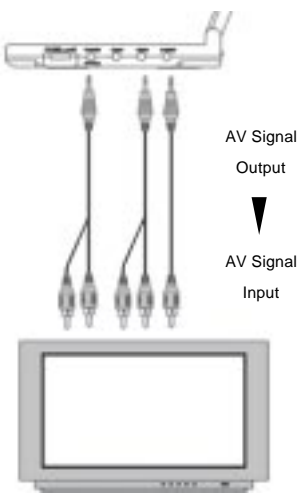
When set to “**OUTPUT**”, the player is configured to export AV signals to external equipment. When set to “**INPUT**”, the player is configured to import external signals.

**!** When the “**INPUT OUTPUT**” switch is set to “**INPUT**” the player’s LCD screen will go blank with only an “**INPUT**” symbol displayed (please refer to page 15).

**!** Please always keep the “**INPUT OUTPUT**” switch set to “**OUTPUT**” during normal operations. If set to “**INPUT**” the LCD screen and audio will be disabled, awaiting receipt of an external signal.

## 10. Connecting AV Peripherals

### Configuration I: AV Signal Output from AV Jack



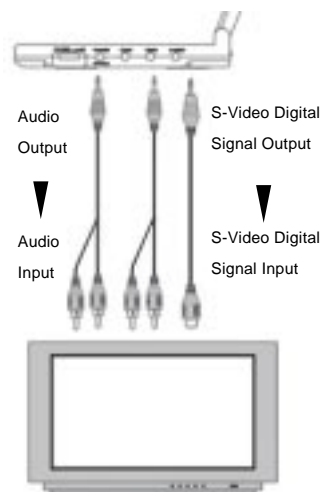
When the "INPUT OUTPUT" switch on the right of the player module is set to "OUTPUT" the three AV signal cables can output signals of the currently played program. Connect the AV signal cables and you are ready to export to the following types of peripherals:

1. Television set with AV input jacks
2. Overhead projectors
3. Other AV equipment

! Please note that the AV signal cables are bundled in sets of two with a white cable end intended to carry left speaker audio, a red cable end for right speaker audio and a yellow cable end for image signal data. The two wires are not structurally different, but the colors are intended to aid in correct installation. Please make sure that each output is plugged into the correct peripheral input (e.g. yellow output plugs into yellow input, etc.). Also, most modern electronic equipment must be manually switched before input signals can be processed and displayed. Please refer to the relevant owner's manual to confirm how this switch should be effected.

! Please note that most DVDs have a copyright protection mechanism against illegal copying, so that when you try to use a recorder to record DVD programs, the image will be distorted. Likewise, when you route DVD signals to a television via a recorder, the image might also become distorted.

### Configuration II: AV Signal Output from S-Video Port

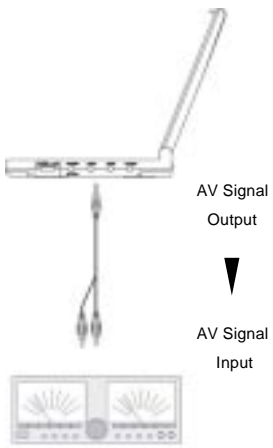


Certain AV equipment, such as high-end televisions and VCRs, include a S-Video input port. If such is the case you may use the included, or purchased, 4-pin S-Video signal cable in place of the yellow image signal data cable. Using the S-Video cable can provide superior picture quality.

! The S-Video cable can be used instead of the yellow cable to output video data. However, the yellow AV signal jack will still output video data, allowing for dual output if desired.



**Configuration III: Audio Signal Output from AV Jack**



Amplifier, Tape Recorder, etc

When using only the red and white AV signal cables, the player can output dual track high-quality audio signals to at least the following peripherals:

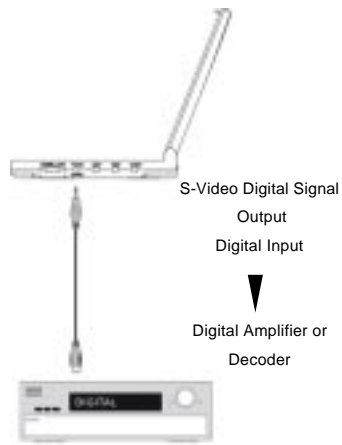
1. Amplifiers
2. Two-track and reel-to-reel tape recorders
3. Digital magnetic tape recorders (DAT)
4. Mini Disc CDR player/recorders

Once connected the external audio equipment can be used to record or play the music from this player.

**!** Audio output is delivered at stable amplitude and cannot be increased or decreased using the player's volume control. Use the volume control onboard the equipment receiving the signal input to control sound volume.

Most input jacks are of the 3.5 or 5mm specification. When your peripheral is of the latter type, you should purchase an RCA-type adapter.

**Configuration VI: Digital Audio Signal Output**



Digital Amplifier or Decoder

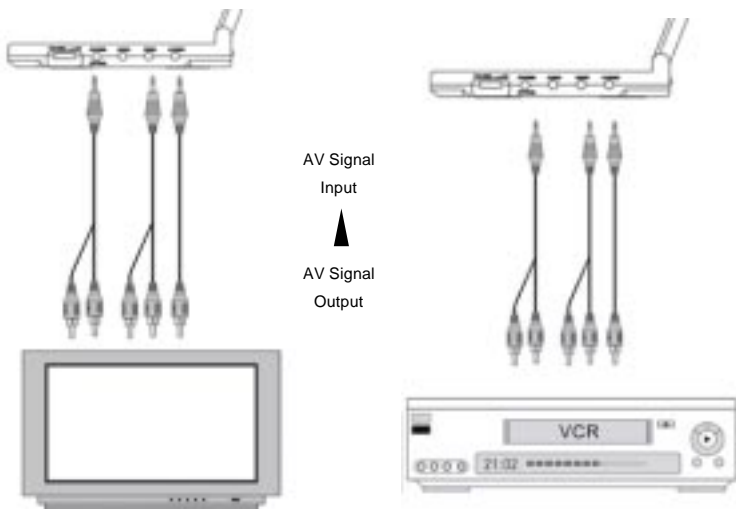
Through the optical port located on the side of the player, audio signals from a disc can be delivered to a peripheral with digital decoding capability via the Digital Optical Fibre signal cable. This port can also be used to transmit disc codes for the following:

1. Dolby AC-3 Surround Sound
2. DTS (Digital Theater System) Sound

**!** To output S-Video signals your player must be on AC power (power cord), not on DC batteries.

## 10. Connecting AV Peripherals

### Configuration V: AV Signal Input



When the “**INPUT OUTPUT**” switch on the back side of the player has been switched to “**INPUT**” the signal cables can accept AV signal inputs from external AV equipment. Connecting the included or separately purchased AV cables to the player will accept inputs from at least the following types of peripherals:

1. Televisions equipped with AV output jacks
2. VCRs
3. Tape Recorders / Players
4. Hi-8 and VHS-C video cameras
5. Digital cameras

Once connected the player is fully enabled to broadcast the input signals through its speakers and screen. Control picture and sound variables (brightness, color, etc.) as you would with a disc installed on the player.

# 11

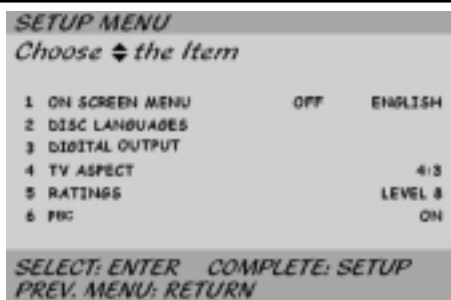
## Setting the Password and Rating

Most DVDs are rated against an 8-point grading level. The player will not permit a disc to be played when the disc is rated at a number higher than that set. A password must be entered when you want to change the rating level currently set. After entering a password you can use it to lock settings and install a view rating level. The correct password must also be entered to disable the currently set rating level.

Password protection is not set into the player by the manufacturer. It is recommended that you set the password soon after you purchase your player for your convenience. Remember that the view rating level can only be changed by using a password. The following are instructions on setting the password.

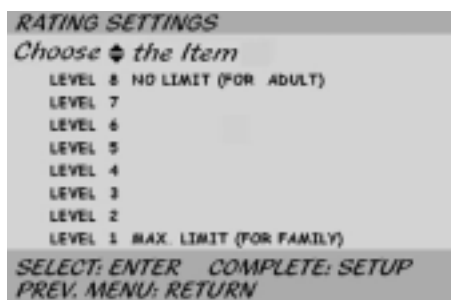
## 11. Setting the Password and Rating

1. Press the “**SETUP**” button on the player or remote control. The menu screen shown here appears on the TV screen:

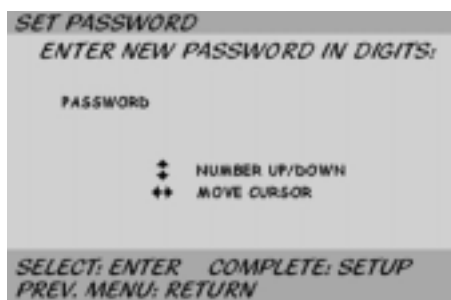


2. Press the ▲or▼key to move the cursor over the “ Ratings “field.

3. Press the “**ENTER**” button on the player or the remote control to access the Rating menu as shown here. The cursor will initially be on rating level 8, i.e. no viewing restriction.



4. Press “**ENTER**” once more to switch to the password screen shown here:

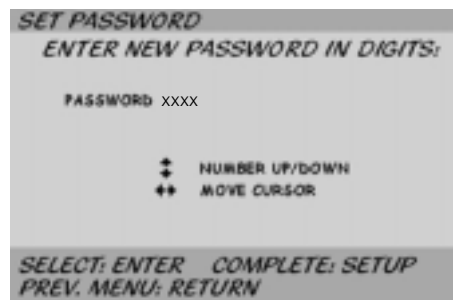


❗ Please note that once the password has been selected, all preferences entered into the “**SETUP**” menu will be preserved in long-term memory and not be erased when power is disconnected from the player. Therefore it is very important that you remember your set password. In the event you forget your password, please refer to the following steps to unlock your player (in such an event all system settings will be returned to their default factory-set settings).

## 11. Setting the Password and Rating

5. Enter numbers directly on the remote control, or use the ▲ and ▼ keys to select password numbers. Please do not forget this password.

6. Press **ENTER** to record your password into memory.

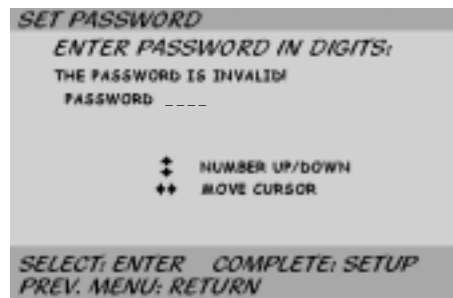


7. Press **ENTER** once again to return to the system select menu. Please note that at this time the viewing rating level is still at level 8.

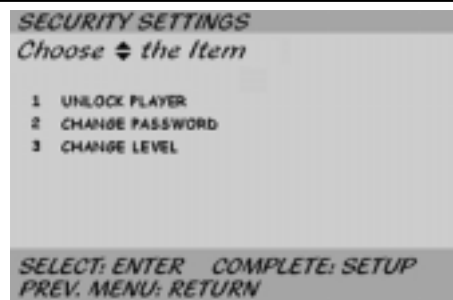
8. Press **ENTER** to re-enter the rating level screen.

9. Use the ▲ or ▼ key to select your preferred rating level (for instance, level 2).

10. Press **ENTER** to confirm. At this point a password dialogue box will appear. Please enter your password. When the password is incorrect the screen will return a password error message as follows:



11. When the entered password is correct, the screen will return the following "Password Set" screen. In this screen are three fields, namely "Remove "," Change Password ", and " Change Rating Level ".



## 11. Setting the Password and Rating

A. To enter the " Remove "option, press" **ENTER** "with the cursor over this field. The system will remove the password and no longer check for DVD rating levels. You will see this screen:



B. To enter the " Change Password "option, press " **ENTER** " with the cursor over this field. The " Set Password "screen appears allowing you to enter a new password. The present password is cleared from the system's memory. You will see this screen:



C. To enter the" Change Rating Level "option press" **ENTER** "over this field. The Rating Settings screen appears allowing you to select a new rating level. Press" **ENTER** "again to confirm your choice.

12. After returning to the main section menu, you may notice that the player rating level has already been updated. To change the rating level again, please return to step 8 of this sequence.

**!** Please note that once a password has been selected it is recorded in the system's memory, so please do not forget your password.

# 12

## Rechargeable Battery Installation and Use

This DVD player utilizes one set of long-life (Li-Ion) or (Ni-MH) batteries. Such batteries pack a high storage capacity and low level of degradation. The latter means that the batteries can also be recharged when only partly spent.

Please fully charge the battery prior to first use.

If you plan not to use the battery for an extended period of time (say one week or longer), we recommend that you first fully charge the battery and store it away properly. For longer periods of storage, please recharge the battery at least once every two months to maintain the battery in its optimum condition.

Under no circumstances should you short out the battery, store the battery in a metal container, or leave it in a humid or damp environment. Store the battery in an airtight container if possible.

The provided NiMH battery can be recharged about 300 times. Each full recharge takes about 5~6 hours, which can then power the player for over 3 hours. Power consumption depends on the condition of the player, for instance, brightness of the screen, volume level, etc. all effect power consumption.

During recharging the light next to the DC power input will light red. When the light turns green this indicates that the battery is fully charged, or defective. When the light is flashing (red and green) the

## 12. Rechargeable Battery Installation and Use

battery and the charger are not connected properly or the battery may be defective. Please note that with a completely empty battery the red charging indicator light might take 30 seconds to 1 minute to light . This is nothing to be concerned about.



AC Adapter/charger input

Once the battery is fully recharged, the light will turn green. At this point you can remove the wall plug and cease charging. During recharge the Ni-MH battery will become warm, (Li-Ion battery won't become warm) but this is nothing to be concerned about. Please don't put the battery near the heat.

After some time the battery will gradually get weaker. When the time the battery can power the player is shortened noticeably, especially when it cannot play even for a moment just after recharge, the battery must be replaced. You can purchase a new battery from your distributor.

### ! Precautions related to Battery Recharge

- (1) Once the battery has been fully spent, please immediately recharge it (regardless of whether you plan to use the battery power again soon) in order to maximize battery life.
- (2) To charge the battery, please connect the power jack directly into the battery casing. Initially a red light should light up. Once fully charged this light will turn green and charging operations may cease (see the above picture).
- (3) When the battery is already completely discharged, the red charging indicator light might take 30 seconds to 1 minute to light up.
- (4) Do not recharge the battery pack while playing the disc.
- (5) Battery pack must be separated from the player while charging.

Please note that when the AC power supply jack is plugged into the player, not into the battery pack, the battery pack is not being charged.

## 12. Rechargeable Battery Installation and Use

### Using and Maintaining your Rechargeable Batteries

- (1) Please make sure you always use only the AC transformer included with the DVD player to recharge the player batteries.
- (2) Recharge effectiveness will degrade when environmental temperatures drop below 10°C or exceed 35°C.
- (3) Please remove battery from the player and store properly if the player is not to be used for an extended period of time. For periods of two months or more, please recharge the battery at least once every two months to avoid irreparable damage to the battery. If the battery is

left attached to the player for an extended period of time, please recharge the battery at least every two weeks.

(4) Avoid unnecessary recharging fully charged batteries. Remove the battery from the transformer once the indication light has turned green.

(5) When charging the full battery is continued for a period of time, the battery can become overcharged. The temperature of the battery will rise and activate the internal protection circuit, which results in a temporary power cut off.

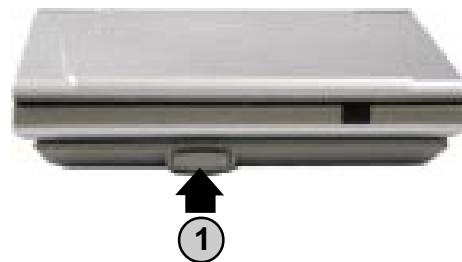
### Installing the Battery Pack

1. First make sure the player is in the " STOP "mode and that the AC power supply has been disconnected.
2. Close the player cover and flip the player over on its backside.
3. Align the battery pack with the player module's rear edge. Please pay attention to the positioning arrows printed on both the battery pack and player.
4. Click the battery pack into position on the player module. Move the battery pack in the direction indicated by arrow (1) & (2) in the picture below. The pack is in the correct position when you hear a click .



### Removing the Battery Pack

1. First make sure the player is in the " STOP "mode.
2. Flip the player over on its backside and press the set button in the direction indicated by arrow (1).
3. While holding the button in, slide the battery pack out in the direction indicated .





# 13

## DVD Precautions and Simple Maintenance

Your DVD player is an extremely precise AV broadcast system. Abiding by the following suggestions will help maintain your player in top working order and avoid any safety problems.

### ! Storage

Please do not store your player in any of the following conditions: (1) direct sunlight; (2) high temperature environments; and (3) near any heat source. Similarly, please keep the player out of reach of small children.

### ! Vibration

The DVD player compensates for slight jolts and vibrations during play. However, please do not expose the player to significant vibration during play. During play the player's base will become warm, which is nothing to be concerned about. However, please avoid using the player on a warm or hot surface (e.g. working amplifier, electric blanket, etc.).

## 13. DVD Precautions and Simple Maintenance

### ! Condensation

Moving your DVD player from a cold environment to a warm one will often result in moisture condensation. Under such conditions wait at least one hour before using your player.

### ! Metal Contact Point

Keep the metal contact points on your DVD player clear of dust, grime and other contaminants. Remove such with a clean cotton swab dabbed with a good electronics-safe solvent. Make sure that the cotton bits do not become entangled or stuck on contact points as well.

### ! Scratches

Avoid storing your DVD player alongside hard or sharp objects to avoid damaging player surfaces. If the player surface is soiled, use a soft rag and a small amount of mild solvent or benzene to wipe it clean. Do not use alcohol, as such will damage surface coatings.

### ! Power Surge

During electrical storms, remove the AC transformer from your wall socket to avoid electrical spikes that could damage sensitive electronics. In exceptionally dry conditions you should gently touch the player with your bare finger prior to use to dissipate any built-up static electricity.

## 13. DVD Precautions and Simple Maintenance

### Dust

Avoid using your DVD player in windy / dusty conditions, such as on the beach or outdoors during inclement weather.

### Laser Head

The laser reader head is an exceptionally fragile component and all contact should be avoided. There should be no need to clean the head, even with a laser head cleaner. There is the additional danger that filaments separated from such laser head cleaners can damage the head afterwards during high-speed play operation.

### Self Repair

Again, the DVD player is an exceptionally delicate instrument and should not be repaired or have parts changed except by authorized service personnel.

### Battery Charger

Only the battery charger included with your DVD player is fully compatible with the player's AC power adapter, so do not use battery chargers obtained from unauthorized sources.

### AC Power Adapter

Please only use the AC power adapter included with your DVD player. Avoid using power transformers obtained from unauthorized sources.

### Display Screen

The surface of the display screen is easily scratched. Avoid contact with sharp or hard objects. When not in use, the player screen should be firmly closed. If the screen is soiled, wipe with a soft clean cloth. Do not apply water or any cleaning solvent.

### Remote Control Batteries

The DVD player remote control operates on one CR2025 battery. Power consumption is exceptionally low and a general-purpose battery can be expected to last at least 6 months. Remove the battery if the remote is not used for an extended period of time to prevent leaking and damage to the remote's internal circuitry. When installing a new battery, please make sure to select a high-quality, non-leaking battery.

### Signal and Power Cables

Do not place unnecessary strain or tension on signal or power cables. When unplugging cables, hold firmly by the base (and not the cable wire). When storing, do not bend cables too tightly.

### Recharging Batteries



Do not disassemble the battery pack. Do not dispose of in fire. Dispose of in a proper manner and recycle where possible. Do not expose batteries to high temperatures. Do not permit battery contacts to touch metal surfaces and short. Avoid contact with all metal objects. For other battery maintenance and usage suggestions, please refer to page 55.

# 14

## Player Specifications

<b>Playing Discs:</b>	DVD / VCD (V2.0) / CD / MP3
<b>Dimension Inch(mm):</b>	7.51 (191) (W) x 6.16 (156.5) (D) x 1.14 (29) (H) mm for Unit [ Li-ion Battery Pack: 6.9 (177) (W) x 5.8 (149.5) (D) x 6.2 (16) (H) mm ]
<b>Weight:</b>	Approx 28.2102 (800g), without battery pack [ Li-Battery Pack: 1763 oz b (500g) ]
<b>Display:</b>	7" (177.8mm) 16:9 no radiation Thin Film Transistor Liquid crystal display(TFT LCD), Resolution 400 (RGB) by 234
<b>Video Terminal:</b>	Composite output 3.5 $\phi$ x 1, S video output 3.5 $\phi$ x1, composite input 3.5 $\phi$ x1
<b>Audio Terminal:</b>	
<b>Analogue out:</b>	Two channel down mix output, built-in two-channel stereo speakers, headphone jack (mini type)
<b>Digital out:</b>	DTS / AC-3 / PCM optical output
<b>Analogue in:</b>	Left and right channel input 3.5 $\phi$ x 1

## 14. Player Specifications

<b>DAC:</b>	Audio 24 bit / 96Hz, video 10 bits
<b>Power:</b>	Universal AC / DC Power Adapter operates on 12V input voltage which AC power ranging from 100 VAC to 240VAC at frequencies from 48Hz till 62Hz over 3 hours of playback time with rechargeable lithium ion battery pack [Depending on functions used (brightness, volume level etc.) ] DC 12V input battery charge adapter.
<b>Remote Control:</b>	Slim Card IR Remote Control
<b>DVD Function:</b>	Multi-story, multi angle, index mark, multi aspect, multi-aspect, parental lock, multi-audio stream choice, multi-subtitle, subtitle on/off, frame advance play by step, slow motion playback (1/2, 1/4, 1/8), fast forward / backward play (x2, x4, x8), x2 smooth playback
<b>Misc.:</b>	Parental rating, aspect select, OSD language selection, OSD language selection, auto power off, GUI menu operation, Virtual surround (Q Surround), NTSC/PAL Switchable, ON/OFF/ HOLD switchable, A/V output/input switchable, TFT Display Mode( 16:9, 4:3, cinema, off )
<b>Display:</b>	7 inch(177.8mm) TFT Active Matrix LCD Wide Screen with Anti-Reflection Coatings. (ratio 16:9 / 4:3 ) Resolution: 480 (RGB ) by 234.



## 12 MONTH DAY LIMITED WARRANTY

### Applies to Audiovox Video Products

AUDIOVOX ELECTRONICS CORPORATION (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with reconditioned product (at the Company's option) without charge for parts and repair labor.

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

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

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

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