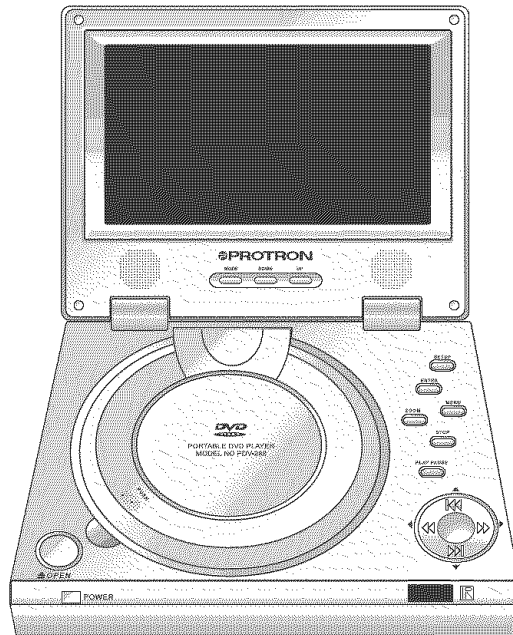




PDV-288

7" Portable DVD Player

User's Manual



Protron PDV-288 Portable DVD Player User's Manual.

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Disclaimer

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Specifications are subject to change without notice.

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Protron Digital Corporation
2133 S. Green Privado
Ontario, CA 91761

Printed in China

Product Cautions



TO PREVENT POSSIBLE DANGER, ELECTRIC SHOCK, AND INJURY WHEN HANDLING YOUR PORTABLE DVD PLAYER, PLEASE BE AWARE OF ALL WARNINGS AND SAFETY PRECAUTIONS LISTED BELOW.

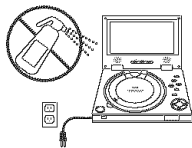


Never spill any liquid of any kind on the device.

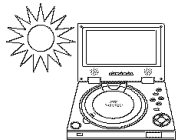
Never insert anything into the device, where objects can come into contact with high voltage nodes or damage internal components.



Do not attempt to service the device yourself. Opening or removing covers exposes high voltage nodes and other hazards. Refer all servicing to qualified service personnel.



Before cleaning the device, turn it off, unplug it from the wall, and remove the battery. Use a damp cloth for cleaning. Never use liquid or aerosol cleaners.



To prevent overheating and ensure reliable operation, place the device only in a well ventilated location. Avoid cramped or inadequately ventilated locations.

Note: Read all safety and operating instructions before operating your new portable DVD player.

Conformity and Compliance

FCC Compliance Statement

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 when the equipment is operated 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 (this can be determined by turning the device off and on), the user is encouraged to try to correct the interference by one or more of the following measures:



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

Caution:

To comply with the limits for an FCC Class B computing device, the user should use the shielded signal cable and power cord supplied with the unit. The FCC warns that changes or modifications of the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Radio Frequency Interference Statement

Warning:

This is a Class B product. In a domestic environment this product may cause radio interference, in which case the user may be required to take adequate measures.

UL Mark and Statement

This device is a UL Listed product. UL has found that representative samples of this product met UL's safety requirements.



Canadian DOC Notice for Class B Computing Devices

This digital apparatus does not exceed the Class B limits for radio noise emissions from a digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

CE Mark and Declaration of Conformity

This device complies with the requirements of related European standards, which include the following:



- Emission: EN 55022, EN 61000-3-2, EN 61000-3-3
- Immunity: EN 50082-1

Safety: EN 60950 Low-Voltage Directive (73/23/EEC)

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Introduction

Congratulations on purchasing your new Protron Portable DVD Player!

With a large 7" screen and over two and a half hours of battery life, your new player allows you to watch movies on the road, in the air—anywhere. In addition, it can play music and photo CDs so you can listen to music or browse photo albums wherever you are.

Audio and video outputs allow you to connect your player to a television and/or stereo system for the highest audio and video quality. A car power adapter allows you to use your player on the road for as long as you want.

Features

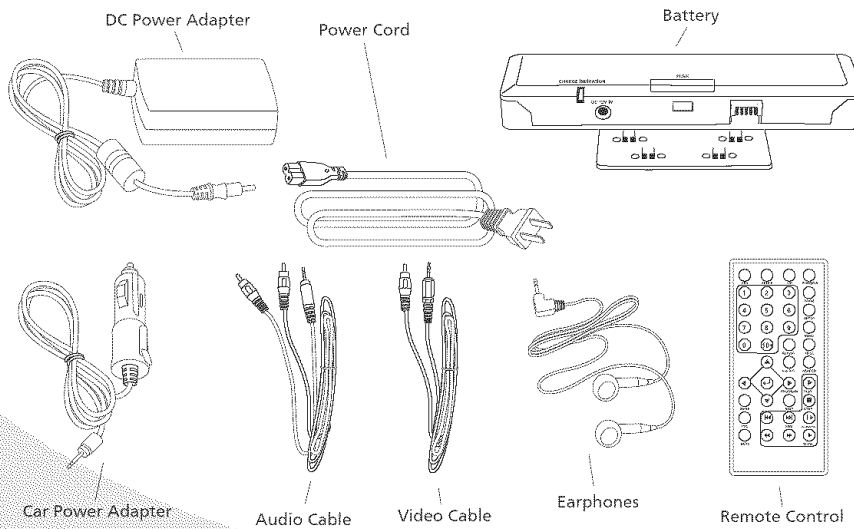
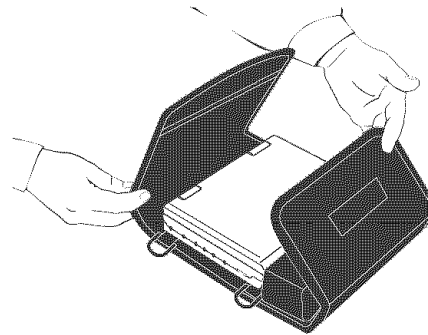
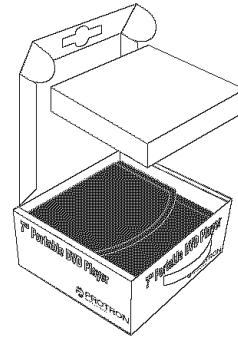
- Large 7" screen
- Fully compatible with DVD, Audio CD, MP3 CD, Video CD, Super Video CD, Kodak Picture CD, CD-ROM, and CD-R media
- Superlative error correction
- Displays JPEGs stored on data CDs
- 10-bit, 525-line digital video converter
- 24-bit, 96kHz digital audio converters for high fidelity sound
- Dolby Digital surround sound
- Composite video output
- Digital coaxial audio output
- Stereo audio output
- Headphones output
- 4 languages: English, Spanish, French, and German
- 32 DVD subtitle channels supported
- Multi-angle video playback

Unpacking Your New DVD Player

Before using your new portable DVD player, you should unpack the contents of the box and check to make sure everything is present and undamaged.

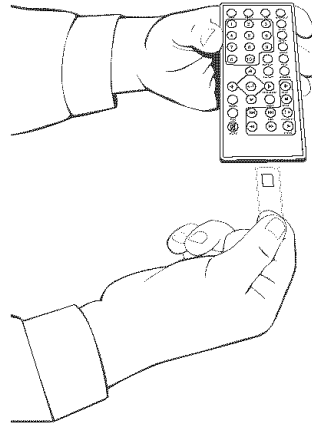
To unpack the player:

1. Open the box. Remove the accessories box and set it aside.
2. Remove the carrying case, which holds the player. Open it and remove the player.
3. Remove the plastic bag enclosing the player, then open the player and peel the protective plastic cover from the screen.
4. Check to ensure the accessories box contains the items indicated below. If any items are missing or damaged, contact the seller immediately.

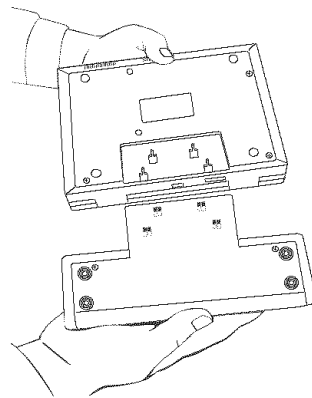


Unpacking Your New DVD Player

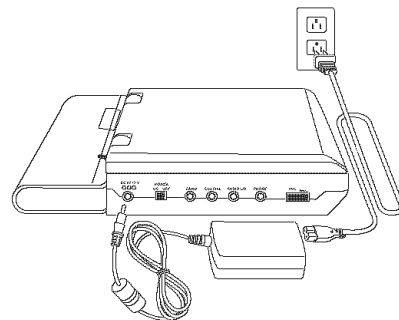
5. Open the disc receptacle by pressing the **OPEN** button, remove the paper laser protector, then close the receptacle.
6. Pull the plastic tab out of the battery slot on the remote.



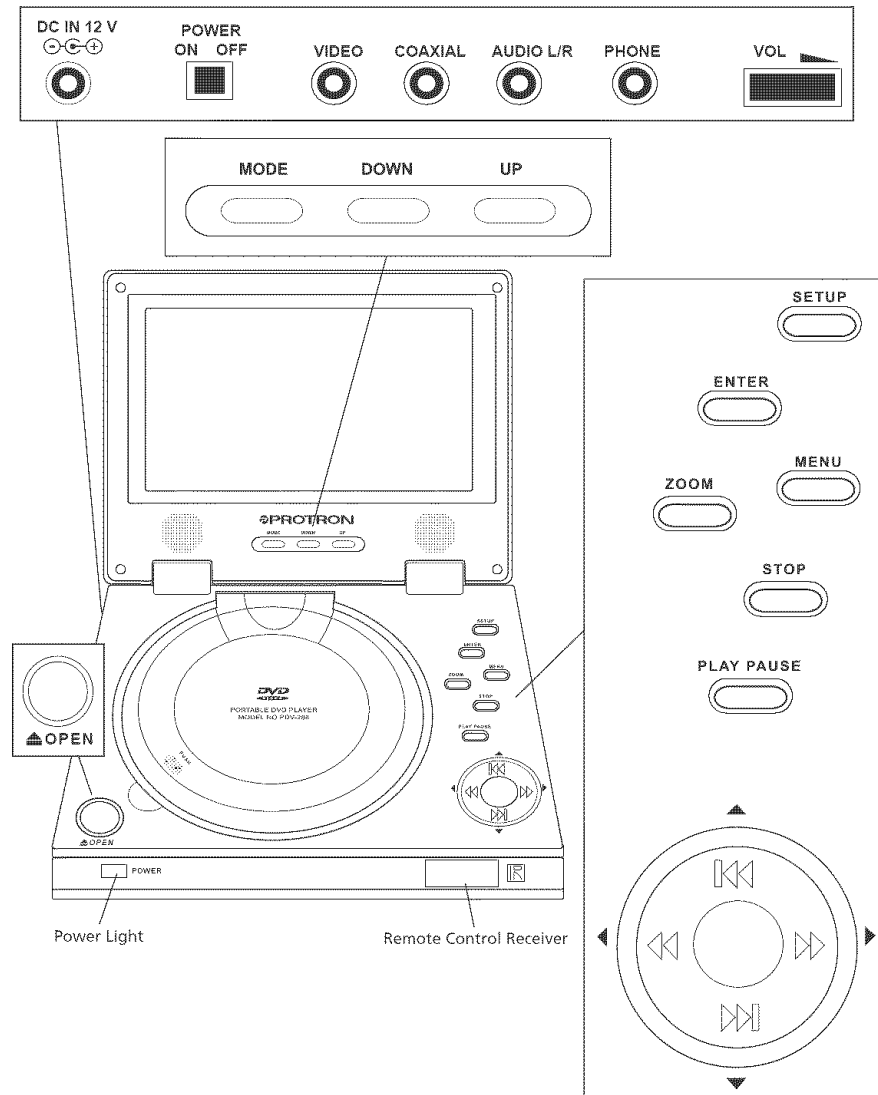
7. Attach the battery to the rear of the player: Line up the four tabs on the battery with the four corresponding slots on the player, drop the tabs into the slots, then slide the battery toward the front of the display.



8. Connect one end of the power cord to a wall socket, and the other end to the power adapter.
9. Connect the power adapter to the DC IN 12V jack on the side of the player. The CHARGE INDICATION light on the battery should come on, indicating that the battery is charging.



Operating the Player



Turning the Player On and Off

Once a charged battery is attached to the player or the player is attached to a power outlet with the power adapter, turn the player on and off by sliding the POWER switch on the left side of the player to the appropriate position.

Inserting a Disc

The receptacle for DVDs and CDs is located directly beneath the screen.

To insert a disc:

1. Press the **OPEN** button to open the receptacle.
2. Snap the disc onto the spindle in the center.
3. Close the receptacle cover. The player will begin to play the disc.

Adjusting the Volume

The **VOL** knob on the left side of the player sets the speaker and headphones volume. To adjust the volume, swivel the knob in the appropriate direction.

Using Headphones

To listen to the audio using headphones, plug them into the **PHONE** jack on the left side of the player. The speakers will mute when headphones are plugged in.

Adjusting Color Settings

You can adjust display color settings with the buttons directly below the player's screen. There are three color settings: Brightness, Contrast, and Color.

Press the **MODE** button to cycle through these, and press the **DOWN** and **UP** buttons to adjust the selected setting.

To reset the color settings, press **MODE** until **RESET** is highlighted and press either **DOWN** or **UP**.

The menu will disappear after a few seconds of inactivity.

Bringing Up the On-Screen Display

The On-Screen Display (OSD) gives information about the current disc and playback. To bring up the OSD, press the **OSD** button on the remote.

Accessing the Setup Menu

The Setup menu allows you to configure the operation of the player. You can change video, audio, and language settings, control access to mature programming, and configure other general display behavior. See "Configuring the Player" on page 27 for more information. To access the Setup menu, press the **SETUP** button.

Playing DVDs

DVDs will play upon insertion. The player can perform all standard DVD playback and search functions.

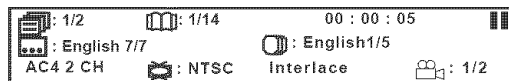
The On-Screen Display

The DVD OSD has two modes:

The first mode (press **OSD** once) shows the current title number, chapter number, and playback time.



The second mode (press **OSD** twice) shows the current title number, chapter number, playback time, playback state (play, stop, pause, and so on), subtitle channel, audio channel, video format, and shot angle.



Navigating Menus

When in a DVD menu, use the arrow controls to navigate.

Press **ENTER** to select an item.

Press **MENU** to return to the previous menu.

Controlling Playback

When playing a DVD, use the following buttons to navigate (some are on the remote, and some are on the player itself):

Press **STOP** to stop the DVD completely.

When the DVD is playing, press **PAUSE/STEP** or **PLAY/PAUSE** to pause it.

When the DVD is paused, press **PAUSE/STEP** to step forward one frame at a time.

Press **PREV** to return to the previous chapter.

Press **NEXT** to skip to the next chapter.

Press **REV** to reverse DVD playback. Pressing this button repeatedly changes the speed at which the DVD reverses: 2x, 4x, 8x, 16x, or 32x. Pressing **REV** again when reversing at 32x speed returns to normal play mode.

Press **FWD** to fast forward the DVD. This button operates as the **REV** button does.

Press **SLOW** to play the video at a slower speed. Pressing the button repeatedly cycles through several speed options: $\times 1/2$, $\times 1/4$, $\times 1/8$, $\times 1/16$, and $\times 1/32$.

Press **PLAY** or **PLAY/PAUSE** to return to normal play mode or to start playing the DVD again when it is stopped.

Press **MENU** to return to the last DVD menu.

Press **TITLE** to return to the main menu.

Selecting the Audio Channel

Press **L/R** to cycle through the available audio channels.

Selecting the Subtitle Channel

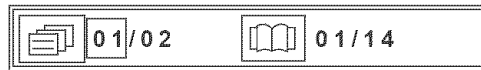
Press **SUBTITLE** to cycle through the available subtitle languages.

Searching to a Specified Location

You can skip to a specified title and chapter or time using the **SEARCH** button.

To search to a title/chapter:

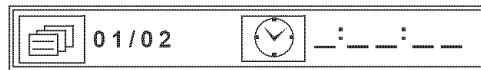
1. Press **SEARCH** once to bring up the title/chapter search display.



2. Press ◀ and ▶ to switch between the title and chapter entries.
Note: If there is only one title, the title entry will be unavailable.
3. Press ▲ and ▼ to select the desired title or chapter.
4. Press **ENTER** to search to the selected location.

To search to a time:

1. Press **SEARCH** twice to bring up the time search display.



2. Enter the desired time using the keypad.
3. Press **ENTER** to navigate to the selected time.

To exit the search display without going to a location, press **SEARCH** a third time.

Repeating Chapters

Press **REPEAT** to cycle through the repeat options: the current chapter, the current title, the current disc, and off.

Playing DVDs

Repeating an Arbitrary Section

You can repeat an arbitrary section of video using the **A-B RPT** button.

To repeat an arbitrary selection:

1. Press **A-B RPT** to mark the beginning of the section to be repeated.
2. Press **A-B RPT** again to mark the end of the section.

The section will begin repeating and will continue until you press the **A-B RPT** button again.

Programming Playback Order

Using the **PROGRAM** button, you can program a sequence of up to 20 tracks.

To program a playback sequence:

1. Press **PBC** to turn off playback control and enable the **PROGRAM** button.
2. Press **PROGRAM** to bring up the program display.

PROGRAM	Title	Chapter
1. --	01	01
2. --	02	02
3. --	03	03
4. --		04
5. --		05

← ↑ ⇐ ⇓ : Select ▶ : Play

3. Select a slot using the arrow buttons.
4. Press ▶ twice to move to the Title column.
5. Select the desired title and press the ▶ button to move to the Chapter column.
6. Select the chapter to be scheduled in the selected slot and press **ENTER**.
7. Repeat steps 3–6 until the sequence is fully programmed.
8. Press **PLAY** to start playing back the programmed sequence.

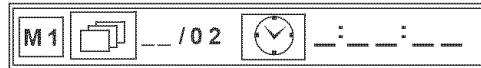
To return to normal sequential playback, press **PROGRAM** twice.

Marking and Returning to Locations

Using the **MARK** button, you can mark and return to up to six locations on the current DVD.

To mark a location:

1. Press **MARK** to bring up the mark display.



2. Use the arrow controls to cycle through the six available slots (M1–M6) until you find an empty one (one with no time listed).
3. Press **ENTER** to store the current location in the selected slot.

At this point you can exit the mark display by pressing **MARK** again.

To return to a marked location:

1. Press **MARK** to bring up the mark display.
2. Use the arrow controls to cycle through the slots and find the location you stored earlier.
3. Press **ENTER** to return to the selected location.

Playing Video CDs

Video CDs can contain video or still images, such as photos. Your portable DVD player will play all standard Video CD formats.

Upon insertion, the player will read and begin to play the CD. If there is a menu on the CD, it will appear, allowing you to navigate through the tracks stored on the CD. Otherwise, the player will begin playing the video back beginning with the first track.

If the CD contains still pictures, the player will display them as a slideshow.

The On-Screen Display

The OSD shows the current track and playback time.



Navigating Menus

Press **PREV** and **NEXT** to scroll through menu pages.

To view an item, enter the number of that item on the keypad. To enter numbers 10 or higher, press **10+** until the correct group of ten is selected, then enter the rightmost digit on the keypad. Example: To enter 35, press **10+** three times and then press **5**.

Controlling Playback

Press **NEXT** to move to the next track or image.

Press **PREV** to return to the previous track or image.

Press **REV** to reverse video playback. Pressing this button repeatedly changes the speed at which the video reverses: 2x, 4x, 8x, 16x, or 32x. Pressing **REV** again when reversing at 32x speed returns to normal play mode.

Press **FWD** to fast forward the DVD. This button operates as the **REV** button does.

Press **SLOW** to play the video at a slower speed. Pressing the button repeatedly cycles through several speed options: $\times 1/2$, $\times 1/4$, $\times 1/8$, $\times 1/16$, and $\times 1/32$.

Press **PAUSE/STEP** or **PLAY/PAUSE** to pause the video or slideshow.

When the video is paused, press **PAUSE/STEP** to step forward one frame at a time.

Press **STOP** once to stop playback.

Press **STOP** twice to completely stop the disc.

Press **PLAY** or **PLAY/PAUSE** to return to normal play mode or to start playing the disc again when it is stopped.

Repeating an Arbitrary Section

You can repeat an arbitrary section of audio using the **A-B RPT** button.

To repeat an arbitrary selection:

1. Press **A-B RPT** to mark the beginning of the section to be repeated.
2. Press **A-B RPT** again to mark the end of the section.

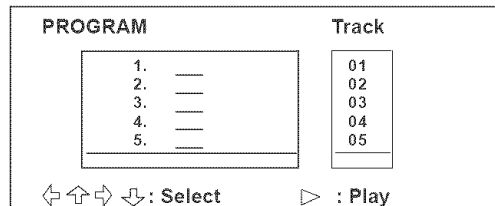
The section will begin repeating and will continue until you press the **A-B RPT** button again.

Programming Playback Order

Using the **PROGRAM** button, you can program a sequence of up to 20 tracks.

To program a playback sequence:

1. Press **PBC** to turn off playback control and enable the **PROGRAM** button.
2. Press **PROGRAM** to bring up the program display.



3. Select a slot using the arrow controls.
4. Press **▶** to move to the Track column.
5. Select the track to be scheduled in the selected slot and press **ENTER**.
6. Repeat steps 2–4 until the sequence is fully programmed.
7. Press **PLAY** to start playing back the programmed sequence.

To return to normal sequential playback, press **PROGRAM** twice.

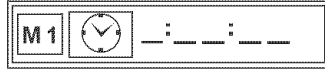
Playing Video CDs

Marking and Returning to Locations

Using the **MARK** button, you can mark and return to up to six locations on the current disc.

To mark a location:

1. Press **MARK** to bring up the mark display.



2. Use the arrow controls to cycle through the six available slots (M1–M6) until you find an empty one (one with no time listed).
3. Press **ENTER** to store the current location in the selected slot.

At this point you can exit the mark display by pressing **MARK** again.

To return to a marked location:

1. Press **MARK** to bring up the mark display.
2. Use the arrow controls to cycle through the slots and find the location you stored earlier.
3. Press **ENTER** to return to the selected location.

Playing Audio CDs

Audio CDs will play upon insertion. All standard CD navigation features are available.

The On-Screen Display

The OSD shows the current track and playback time.



Controlling Playback

Press **STOP** once to stop CD playback at the current location.

Press **STOP** twice to stop CD playback completely.

Press **PAUSE/STEP** or **PLAY/PAUSE** to pause playback, then again to resume playback.

Press **PREV** to return to the previous track.

Press **NEXT** to skip to the next track.

Press **REV** to reverse CD playback. Pressing this button repeatedly changes the speed at which the CD reverses: 2x, 4x, 8x, 16x, or 32x. Pressing **REV** again when reversing at 32x speed returns to normal play mode.

Press **FWD** to fast forward the CD. This button operates as the **REV** button does.

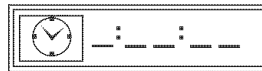
To skip directly to a track, enter the track number on the keypad. To access tracks numbered 10 or higher, press **10+** until the correct group of ten is selected, then enter the rightmost digit on the keypad. Example: To enter 35, press **10+** three times and then press **5**.

Searching to a Specified Time

You can skip to a specified time using the **SEARCH** button.

To search to a time:

1. Press **SEARCH** to bring up the time search display.



2. Enter the desired time using the keypad.
3. Press **ENTER** to navigate to the selected time.

To exit the search display without going to a location, press **SEARCH** a second time.

Playing Audio CDs

Repeating Tracks

Press **REPEAT** to cycle through the repeat options: the current track, the current disc, and off.

Repeating an Arbitrary Section

You can repeat an arbitrary section of audio using the **A-B RPT** button.

To repeat an arbitrary selection:

1. Press **A-B RPT** to mark the beginning of the section to be repeated.
2. Press **A-B RPT** again to mark the end of the section.

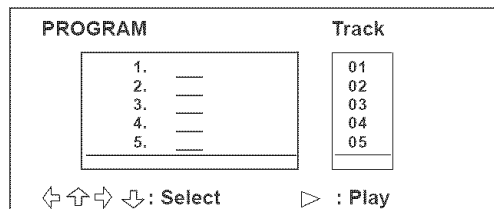
The section will begin repeating and will continue until you press the **A-B RPT** button again.

Programming Playback Order

Using the **PROGRAM** button, you can program a sequence of up to 20 tracks.

To program a playback sequence:

1. Press **PROGRAM** to bring up the program display.



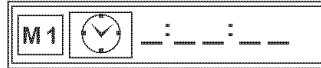
2. Select a slot using the arrow controls.
 3. Press **▶** to move to the Track column.
 4. Select the track to be scheduled in the selected slot and press **ENTER**.
 5. Repeat steps 2–4 until the sequence is fully programmed.
 6. Press **PLAY** to start playing back the programmed sequence.
- To return to normal sequential playback, press **PROGRAM** twice.

Marking and Returning to Locations

Using the **MARK** button, you can mark and return to up to six locations on the current CD.

To mark a location:

1. Press **MARK** to bring up the mark display.



2. Use the arrow controls to cycle through the six available slots (M1–M6) until you find an empty one (one with no time listed).
3. Press **ENTER** to store the current location in the selected slot.

At this point you can exit the mark display by pressing **MARK** again.

To return to a marked location:

1. Press **MARK** to bring up the mark display.
2. Use the arrow controls to cycle through the slots and find the location you stored earlier.
3. Press **ENTER** to return to the selected location.

Playing MP3 CDs

Upon inserting an MP3 CD, the player will begin playing the MP3 tracks stored on the disc and bring up the directory structure for navigation and playback.

The On-Screen Display

The OSD shows the current track, directory, and playback time.



Controlling Playback

Press **STOP** once to stop CD playback at the current location.

Press **STOP** twice to stop CD playback completely.

Press **PAUSE/STEP** or **PLAY/PAUSE** to pause playback, then again to resume playback.

Press **PREV** to return to the previous track.

Press **NEXT** to skip to the next track.

Press **REV** to reverse CD playback. Pressing this button repeatedly changes the speed at which the CD reverses: 2x, 4x, 8x, 16x, or 32x. Pressing **REV** again when reversing at 32x speed returns to normal play mode.

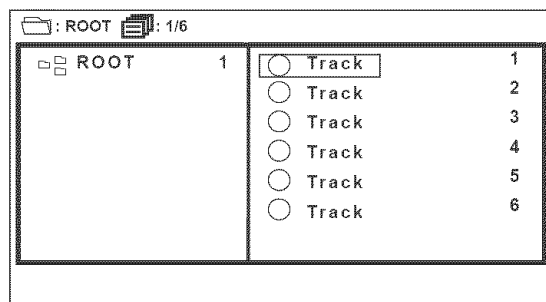
Press **FWD** to fast forward the CD. This button operates as the **REV** button does.

To skip directly to a track, enter the track number on the keypad and then press **ENTER**.

Navigating the Directory Structure

The directory structure will display upon insertion of the disc. To turn the directory display on and off, press **MENU**.

The left half of the display shows the folders on the disc, and the right half shows the tracks and folders in the folder currently selected to the left.



Press ▲ and ▼ to scroll through the list.

Press ◀ and ▶ to move between the left and right halves of the display.

Press **ENTER** to enter a folder or play back an MP3 track.

Repeating Tracks

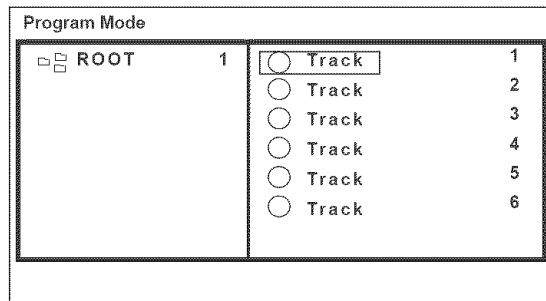
Press **REPEAT** to cycle through the repeat options: the current track, the current folder, the current disc, and off.

Programming Playback

You can program a playback sequence using the **PROGRAM** button.

To program a sequence:

1. Press **PROGRAM** to bring up the program display.



2. Find the first MP3 track to be included in the sequence, navigating as described in "Navigating the Directory Structure" on page 16.
3. Press the ▶ button to include the track in the playback sequence. (Press ▶ a second time to remove the track from the sequence.)
4. Repeat steps 2–3, adding tracks in the desired playback order, until all tracks to be included in the sequence have been marked.
5. Press **ENTER** twice to begin playing the sequence. The marked tracks will play back in a repeating sequence.

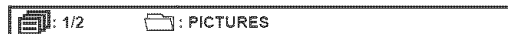
Press **PROGRAM** while the programmed sequence is playing to turn off program mode.

Playing Kodak Picture CDs

Upon insertion, the player will read and begin to play your Kodak Picture CD, displaying a slideshow of the images on the disc.

The On-Screen Display

The OSD shows the current image number.



Controlling Playback

Press **PAUSE/STEP** or **PLAY/PAUSE** to pause the slideshow.

Press **PREV** to return to the previous image.

Press **NEXT** to skip to the next image.

To jump directly to an image in the current folder, enter the number of the image on the keypad, then press **ENTER**.

Press **STOP** once to stop the slideshow and bring up the thumbnail display.

Press **MENU** to bring up the directory structure menu.

Press **PLAY** to resume slideshow playback.

To view a particular image, enter the number of the image on the keypad. To enter numbers 10 or higher, press **10+** until the correct group of ten is selected, then enter the rightmost digit on the keypad. Example: To enter 35, press **10+** three times and then press **5**.

Navigating Menus

Press **STOP** while the slideshow is playing to bring up the thumbnail menu, which displays thumbnails of the images on the disc.

Press **PREV** and **NEXT** to scroll through menu pages.

When you select an image from the menu, a slideshow will begin running through all the pictures on the disc beginning with the selected image.

Transforming Images

Press **▶** to rotate the image 90° to the right.

Press **◀** to rotate the image 90° to the left.

Press **▲** to flip the image horizontally.

Press **▼** to flip the image vertically.

Enabling Slideshow Transition Effects

Press **ANGLE** to scroll through the available slideshow transition effects:

- No Effect
- Effect 1—Slides the new image up over the old
- Effect 2—Slides the new image down over the old
- Effect 3—Slides the old image up to uncover the new
- Effect 4—Slides the old image down to uncover the new
- Effect 5—Draws the new image over the old from the top and bottom simultaneously to the middle
- Effect 6—Draws the new image over the old from the middle to the top and bottom simultaneously
- Effect 7—Draws the new image over the old from bottom to top
- Effect 8—Draws the new image over the old from top to bottom
- Effect 9—Draws the new image over the old from bottom to top in eight horizontal slices simultaneously
- Effect 10—Draws the new image over the old from top to bottom in eight horizontal slices simultaneously
- Effect 11—Fades out the old image, then fades in the new

Navigating the Directory Structure

Press **MENU** while the slideshow is playing to bring up the directory structure. The left half of the display shows the folders on the disc, and the right half shows the files and folders in the folder currently selected to the left.

File Number : 1/6		
<ul style="list-style-type: none"> ROOT PICTURES 	<ul style="list-style-type: none"> image image image image image image 	<ul style="list-style-type: none"> 1 2 3 4 5 6

Press ▲ and ▼ to scroll through the list.

Press ◀ and ▶ to move between the left and right halves of the display.

Press **ENTER** to enter a folder or display an image.

Displaying Images Stored on Data CDs

When you insert a data CD, the player will detect and display in a slideshow any JPEG format images stored on the disc.

The player allows you to program the slideshow order, rotate and flip images, use transition effects, and repeat images or groups of images.

The On-Screen Display

The OSD shows the current image number and file directory.



Controlling Playback

Press **PAUSE/STEP** or **PLAY/PAUSE** to pause the slideshow.

Press **PREV** to return to the previous image.

Press **NEXT** to skip to the next image.

To jump directly to an image in the current folder, enter the number of the image on the keypad, then press **ENTER**.

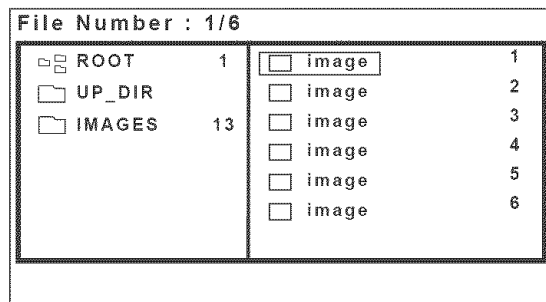
Press **STOP** once to stop the slideshow and bring up the directory structure menu.

Press **STOP** twice to completely stop the disc.

Press **PLAY** to resume slideshow playback.

Navigating the Directory Structure

Press **STOP** while the slideshow is playing to bring up the directory structure. The left half of the display shows the folders on the disc, and the right half shows the files and folders in the folder currently selected to the left.



Press ▲ and ▼ to scroll through the list.

Press ◀ and ▶ to move between the left and right halves of the display.

Press **ENTER** to enter a folder or display an image.

Transforming Images

Press **▶** to rotate the image 90° to the right.

Press **◀** to rotate the image 90° to the left.

Press **▲** to flip the image horizontally.

Press **▼** to flip the image vertically.

Enabling Slideshow Transition Effects

Press **ANGLE** to scroll through the available slideshow transition effects:

- No Effect
- Effect 1—Slides the new image up over the old
- Effect 2—Slides the new image down over the old
- Effect 3—Slides the old image up to uncover the new
- Effect 4—Slides the old image down to uncover the new
- Effect 5—Draws the new image over the old from the top and bottom simultaneously to the middle
- Effect 6—Draws the new image over the old from the middle to the top and bottom simultaneously
- Effect 7—Draws the new image over the old from bottom to top
- Effect 8—Draws the new image over the old from top to bottom
- Effect 9—Draws the new image over the old from bottom to top in eight horizontal slices simultaneously
- Effect 10—Draws the new image over the old from top to bottom in eight horizontal slices simultaneously
- Effect 11—Fades out the old image, then fades in the new

Repeating Images

Press the **REPEAT** button to scroll through the repeat modes: the current image, the current folder, the entire disc, and off.

Displaying Images Stored on Data CDs

Programming Playback

You can program a slideshow sequence using the **PROGRAM** button.

To program a sequence:

1. Press **PROGRAM** to bring up the program display.

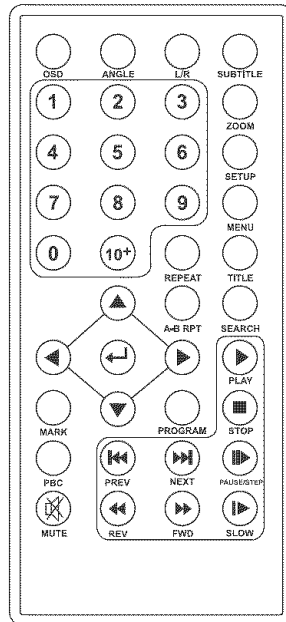
<input type="checkbox"/> ROOT	1	<input type="checkbox"/> image	1
<input type="checkbox"/> UP_DIR		<input type="checkbox"/> image	2
<input type="checkbox"/> IMAGES	13	<input type="checkbox"/> image	3
		<input type="checkbox"/> image	4
		<input type="checkbox"/> image	5
		<input type="checkbox"/> image	6

2. Find an image to be included in the sequence, navigating as described in "Navigating the Directory Structure" on page 20.
3. Press the **▶** button to include the image in the playback sequence. (Press **▶** a second time to remove the image from the sequence.)
4. Repeat steps 2–3 until all images to be included in the sequence have been marked.
5. Press **ENTER** twice to begin playing the sequence. The marked images will display in a repeating sequence.





Press **PROGRAM** while the programmed sequence is playing to turn off program mode.

Using the Remote Control





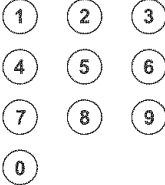




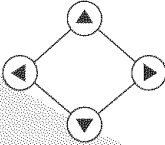
The remote control can be used to control every aspect of the display's operation and includes more functionality than the controls on the player itself.















The following is a list of all buttons on the remote and their functions:

Button	Function
 OSD	Brings up the On-Screen Display (OSD), which shows current playback information
 ANGLE	Changes the filming angle when playing back a multi-angle DVD
 L/R	Cycles through the available audio channels on a DVD. When playing back a CD, this button cycles through stereo, mono (left channel), and mono (right channel) playback.
 SUBTITLE	Cycles through the available subtitle channels on a DVD


Using the Remote Control

Button	Function
	<p>Zooms in on the picture</p> <p>When viewing a DVD or Video CD, pressing this button repeatedly cycles through three zoom levels: x1, x2, and x4.</p> <p>When viewing a data CD containing images, pressing the button cycles through five zoom levels: 25%, 50%, 100%, 150%, and 200%.</p>
	<p>Brings up the Setup menu and pauses playback</p>
	<p>When playing a DVD or Video CD, returns to the previous menu</p>
	<p>Returns to the main menu</p>
	<p>Used to enter numbers and navigate directly to a specified track (CDs and Video CDs), chapter (DVDs), or photo (photo CDs)</p>
	<p>Used to access tracks, chapters, or photos numbered 10 or higher. To use, press repeatedly until the correct decade is selected, then use the keypad to enter the least significant digit.</p>
	<p>Cycles through the available repeat modes</p>
	<p>Marks an arbitrary section to be repeated</p>
	<p>Brings up the search display, which you can use to skip to a specified location</p>
	<p>Used to navigate menus and displays</p>

Using the Remote Control

Button	Function
	Confirms the current selection or entry
 MARK	Brings up the mark display, which you can use to mark the current location and later return to it
 PROGRAM	Brings up the program display, which you can use to program playback sequences for CDs
 PBC	When playing DVDs or Video CDs, turns off playback control to enable playback sequence programming using the PROGRAM button. In addition, when playback control is off, the player will skip the root menu on a Video CD when the disc is inserted and begin playback with the first track.
 MUTE	Mutes the audio
 PLAY	Resumes normal playback mode
 STOP	Stops playback. Press twice to completely stop a disc.
 PREV	Returns to the previous chapter, track, or photo
 NEXT	Skips to the next chapter, track, or photo
 PAUSE/STEP	When in normal play mode, this button pauses playback. When a DVD is paused, this button steps forward one frame at a time. When a CD is paused, pressing the button resumes normal play mode.
 REV	Reverses DVD or CD playback. Pressing this button repeatedly cycles through the reverse speeds: x2, x4, x8, x16, x32, and x1.
 FWD	Fast forwards the DVD or CD. Pressing this button repeatedly cycles through the fast forward speeds: x2, x4, x8, x16, x32, and x1.

Using the Remote Control

Button	Function
	Slows down the playback speed of a DVD. Pressing this button repeatedly cycles through the speeds: $\times 1/2$, $\times 1/4$, $\times 1/8$, $\times 1/16$, $\times 1/32$, and $\times 1$.

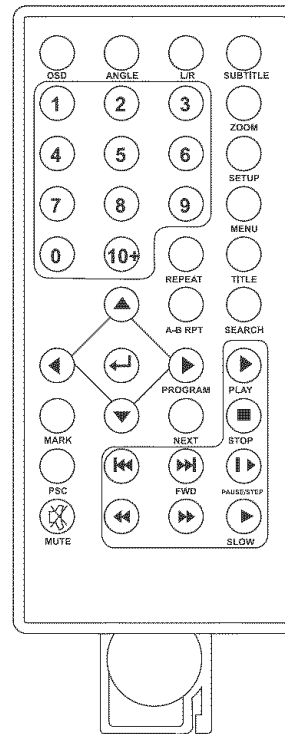
Note: If a hand icon appears upon pressing a button on the remote, it means that the button you have pressed does not function in the current mode or for the disc in the player.

Replacing the Remote Battery

The remote requires a CR2502 battery, which is held in a small enclosure at the bottom of the remote.

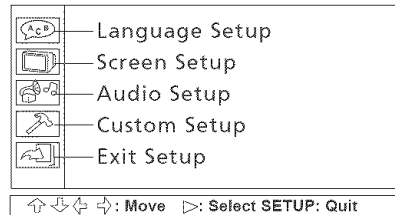
To replace the battery:

1. Release the tab and pull the enclosure out of the remote.
2. Remove the old battery and replace it with the new battery. The positive (+) terminal should face the bottom of the remote.
3. Slide the enclosure back into the remote.



Configuring the Player

The Setup menu allows you to configure the operation of the player. You can change video, audio, and language settings, control access to mature programming, and configure other general display behavior.



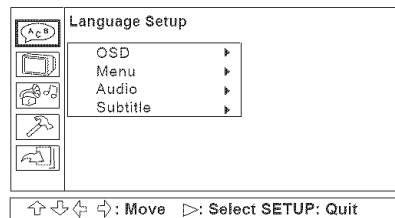
To use the Setup menu:

1. Press the **SETUP** button to bring up the menu.
2. Once the menu appears, use the ▲ and ▼ buttons to navigate the menu items.
3. Press the button to enter a sub-menu, and press the button to leave a sub-menu.
4. Press the **ENTER** button to select an item.
5. Press the **SETUP** button to exit the menu.

The following is a description of the contents of the Setup menu and their use.

Language Setup

This menu allows you to change the language used by the player for menus, audio, and subtitles. The options for each are English, Spanish, French, and German.



The sub-menus are as follows:

OSD

Changes the language of the Setup menu and the OSD (On-Screen Display), which displays information about the current media and settings.

Menu

Changes the language used for DVD menus.

Audio

Changes the language used for DVD audio.

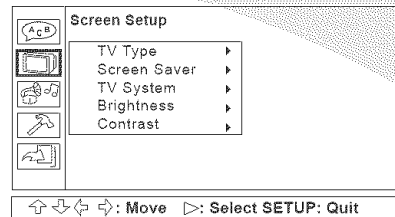
Subtitle

Changes the language used for DVD subtitles.

Configuring the Player

Screen Setup

The Screen Setup menu allows you to change display parameters for the player's built-in screen, as well as any external display to which the player is connected (see "Connecting to a Separate Display" on page 32).



The sub-menus are as follows:

TV Type

Selects the format used by the display to which the player is connected:

- **4:3 PS**—Pan and scan. This format crops the video image to fill the entire screen of a 4:3 format display.
- **4:3 LB**—Letterbox. This format displays the full image on the screen, but does not fill the entire screen.
- **16:9**—For 16:9 format displays. The image fills the entire screen without cropping.



4:3 PS



4:3 LB



16:9

Screen Saver

Turns the screen saver on and off. When this is on, a screen saver will come on after a period of inactivity to save battery life.

TV System

Selects the image format used by the disc being played:

- **NTSC**—A format used primarily in North and Central America
- **PAL 1**—A format used in various other parts of the world, including South America, Europe, Asia, and the Middle East. Select PAL 1 when connecting to an external display.
- **PAL 2**—Use PAL 2 when playing PAL-format media on the player itself.

Brightness

Controls the brightness of the image:

- Normal
- Bright
- Soft

Contrast

Controls the variance between light and dark in the image

Configuring the Player

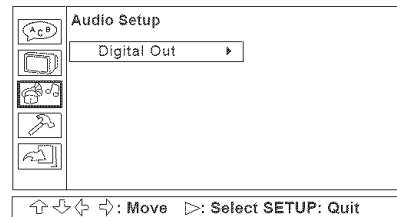
Audio Setup

This menu configures the audio format used for audio output. There is one sub-menu:

Digital Out

Selects the format used for digital audio output. The options are

- SPDIF/PCM
- SPDIF/RAW
- Off



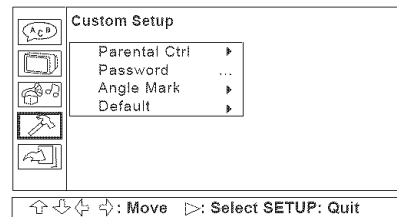
Custom Setup

The Custom Setup menu configures other player parameters, as listed below:

Parental Ctrl

Selects the content rating above which a password will be required:

- 1
- 2
- 3: PG
- 4: PG-13
- 5
- 6: R
- 7: NC-17
- 8



Password

Sets the password for parental control. The factory default password is '8888'.

Angle Mark

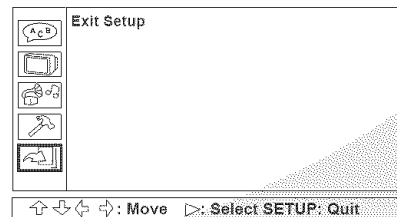
When this is turned on, a small icon will display in the corner of the screen when a DVD has multi-angle video.

Default

Resets all settings to factory defaults

Exit Setup

Selecting this exits the Setup menu.

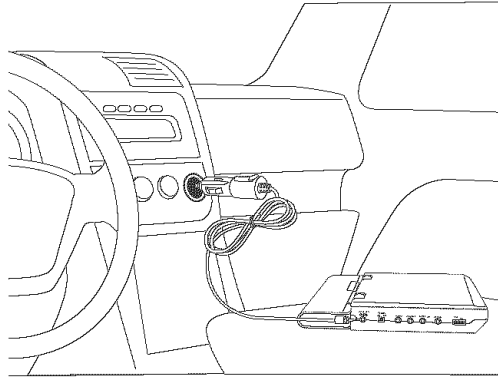


Using the Player in a Vehicle

Your portable DVD player is designed to accommodate usage in a vehicle. A vehicle power adapter is included to power the player from your vehicle, and the carrying case can be adapted to attach the player to a seatback.

Connecting Power

To connect the player to the vehicle's power supply, attach one end of the included vehicle power adapter to the DC IN 12V jack on the player, and the other end to a cigarette lighter power outlet.

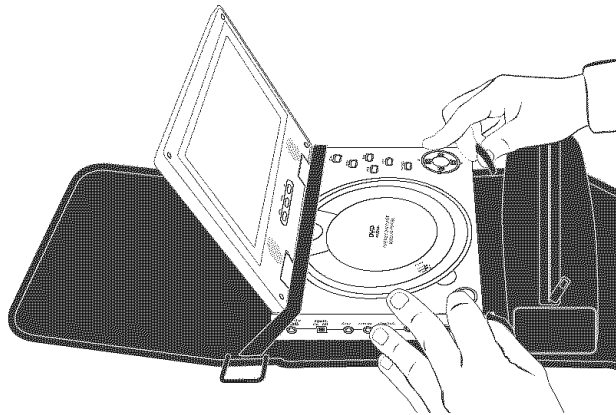


Attaching to a Seatback

The carrying case has a number of straps that can be used to attach the player to a seatback, such as in a vehicle or airplane.

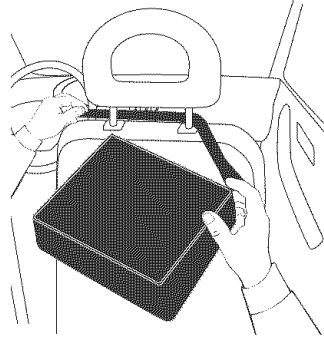
To attach the player to a seatback:

1. Slide the player under the elastic strap on the carrying case and seat it on the stop below.
2. Secure the bottom two corners of the player with the two small elastic straps on the stop.

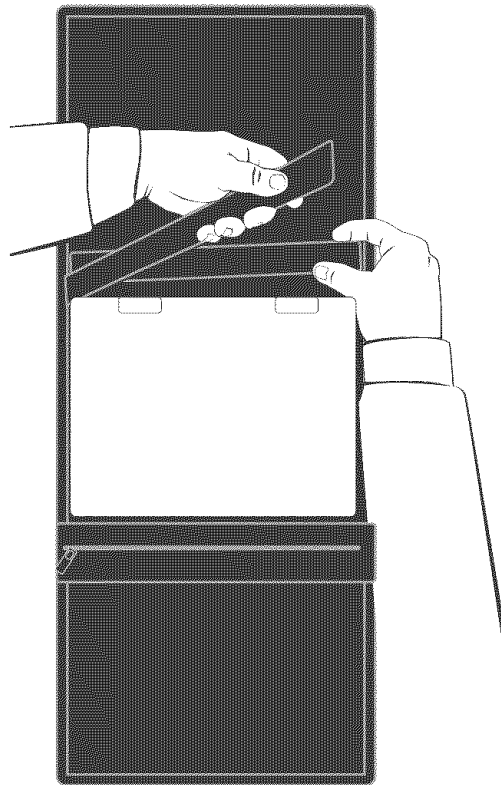


Using the Player in a Vehicle

3. Undo the Velcro strap just below the media pouch and slip the handle of the case over the headrest.



4. Tighten the Velcro strap around the headrest and flip up the display.



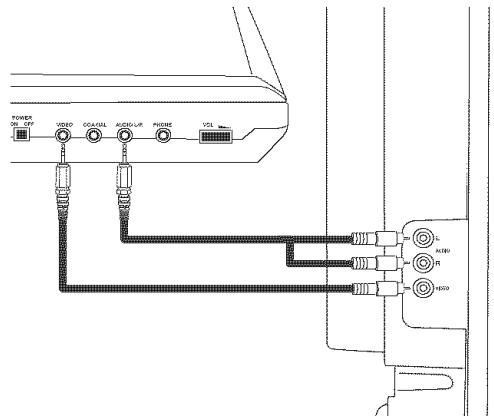
Connecting the Player to Other Devices

You can connect your portable DVD player to an external display for a larger picture, or to an external audio system for better sound.

Connecting to a Separate Display

To connect to a separate display, attach the yellow end of the included video adapter cable to the composite video input on the display, and attach the other end to the VIDEO jack on the player.

To connect the audio output to the display as well, attach the red (left) and white (right) connectors on the included audio adapter cable to the display's audio input, and connect the other end of the cable to the AUDIO L/R jack on the player.



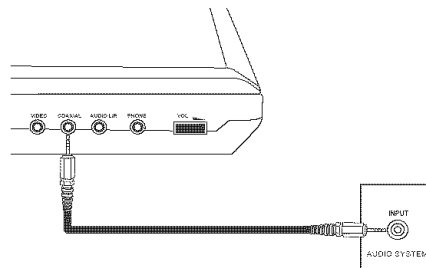
Once the player is connected to the display, select the appropriate TV Type setting under the Screen Setup menu on the player (see "Configuring the Player" on page 27).

Connecting to a Peripheral Audio System

There are two outputs that can be used to connect to an external audio system: analog and digital. If your audio system supports digital audio, use the digital output, as it will provide better sound quality.

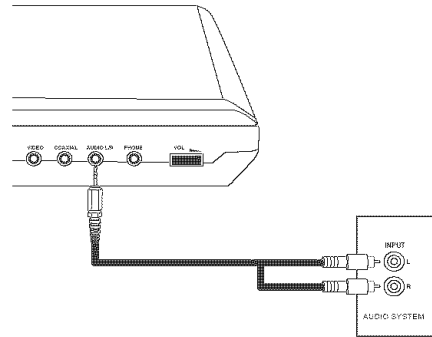
To connect to a digital (S/PDIF) system, use a 1/8"-to-TOSLINK™ or 1/8"-to-coaxial audio cable to connect the COAXIAL output on the player to a digital audio input on the audio system.

Once the player is connected to the audio system, select the appropriate Digital Out setting under the Audio Setup menu on the player (see "Configuring the Player" on page 27).



Connecting the Player to Other Devices

To connect to an analog system, attach the red (left) and white (right) connectors on the included audio adapter cable to an audio system input, and connect the other end of the cable to the AUDIO L/R jack on the player.

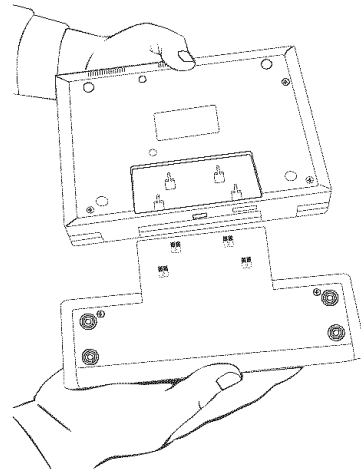


Using the Battery Pack

The battery life of the included battery pack is more than two and a half hours. It attaches to the rear of the player and may be charged separately or while connected to the player.

Connecting the Battery

To connect the battery to the player, align the notches on the battery with the holes on the bottom of the player, push the notches into the holes, and slide the battery and player together.



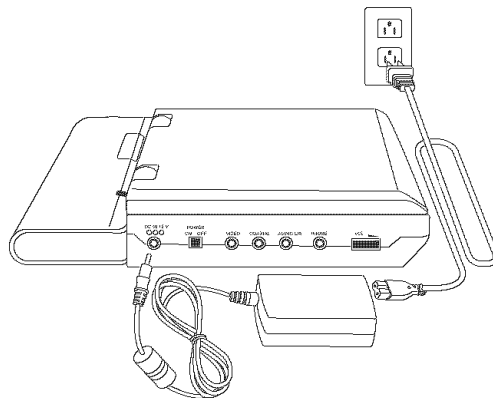
Disconnecting the Battery

To disconnect the battery, hold down the **PUSH** button on the top of the battery and slide the battery and player apart.

Charging the Battery

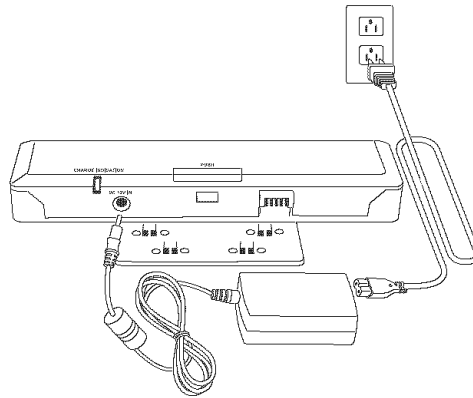
The battery may be charged while connected to the player or separately.

To charge the battery while connected, attach one end of the power adapter to the DC IN 12V jack on the player, and the other end to a power source.



Using the Battery Pack

To charge the battery separately, attach the power adapter to the DC 12V IN jack on the battery itself.



Troubleshooting

Symptom	Possible Cause	Resolution
Power light does not come on	Power cord(s) not securely connected	Make sure the power cable from the DC Power Adapter is firmly inserted into the socket on the display. Make sure the power cord from the wall is connected securely to the DC Power Adapter and wall outlet.
	Power outlet is off or not working	If the power outlet is working, the blue light on the DC Power Adapter will come on when it is plugged in. If it doesn't, try plugging a different device into the outlet and see if it turns on. If not, check that the outlet is on or use a different outlet.
	Battery is discharged	Recharge the battery and/or plug in the player.
Screen flashing on and off	The battery is low on energy	Plug in the player and/or recharge the battery.
Unclear or noisy picture on external display	Signal cable(s) not securely connected	Make sure the signal cable(s) are firmly connected.
	Radio interference	Check for any electronic devices nearby that might be interfering with the video signal or the player's operation.
No picture	Player is in power saving mode	Press PLAY to bring the player out of power saving mode.
No picture on external display	No signal	Make sure the proper source is selected on the external display. If there is still no picture, check the signal cable(s) and ensure the player is on and working.

Troubleshooting

Symptom	Possible Cause	Resolution
No sound	Audio cable(s) not securely connected	Make sure the audio signal cable(s) are firmly connected.
	Headphones plugged in	Unplug the headphones.
	Audio muted	Unmute the audio by pressing the MUTE button on the remote.
Display is too dark or too bright	Contrast or brightness too low or too high	Adjust the contrast and/or brightness to desired setting.
Remote control not functioning	Battery inserted improperly	Make sure the battery is inserted and oriented properly.
	Battery low on energy	Replace the battery.
	A button is stuck	Jog any stuck buttons on the remote to unstick them.
	Obstacle between remote and display	Remove the obstacle.
	The remote is too far from the display	Move closer to the display.
After-image remains on screen after display is turned off	Inherent LCD characteristics	This is characteristic of an LCD. The after-image will disappear after a few minutes.
Distorted image	Display format set incorrectly	Check that the correct display format is selected in the Setup menu.
Red, green, blue, or white dots on screen	Inherent LCD characteristics	This is characteristic of an LCD and will not cause a malfunction.

Troubleshooting

Symptom	Possible Cause	Resolution
"Wrong disc" displays upon disc insertion	Unreadable disc	Ensure disc is not scratched or dirty. Clean and re-insert as necessary.
	Disc format not supported	Ensure the disc has a format compatible with the player (see "Specifications" on page 39).

Note: Further troubleshooting information may be found on the Protron website at www.protronusa.com.

Support Information



Do not return this product to your retailer until you have performed the steps laid out in "Unpacking Your New DVD Player" on page 2 and contacted the customer service center. Merchandise may not be returned to Protron without a return form authorization.

Before contacting Protron customer service, please record the following information, which may be found on the bottom of your portable DVD player:

- Model Number
- Serial Number

The Protron customer service center may be contacted 24 hours a day, 7 days a week at the following number:

1-888-257-8899

Specifications

General

Dimensions	7.6"W × 1.7"H × 5.8"D 194mm (W) × 43mm (H) × 148mm (D)
Weight	3.3lbs
Playback Formats	DVD, Audio CD, VCD, SVCD, MP3 CD, Kodak Picture CD, CD-ROM, CD-R
Outputs	1 × composite video (1/8" TS) 1 × digital coaxial audio (1/8" TS) 1 × stereo audio (1/8" TRS) 1 × headphone (1/8" TRS)
DC Power Adapter	Input: AC100–240V, 50–60Hz Output: DC12V, 2A
Power Consumption	<10W
Storage Temperature	0 to 60°C
Operating Temperature	5 to 35°C

Display

Panel Type	Active Matrix TFT LCD
Screen Size	7" widescreen (16:9)
Resolution	480 × 234
Pixel Pitch	0.321mm (H) × 0.37mm (V)
Contrast Ratio	300:1
Brightness	350 cd/m ²
Viewing Angle	Vertical: +60/–40° Horizontal: +/-60°
Response Time	Rise/Fall: 12ms/18ms

Audio/Video

Video Resolution	525 lines
Video S/N Ratio	55dB
Audio Frequency Response	+0.5/–1.0dB, 20Hz–20kHz
Audio Dynamic Range	>85dB at 400Hz
Audio Harmonic Distortion	<0.01%
Speakers	2 × 1.5W

Battery

Type	NiMH
Capacity	3500mAH
Running Time	Approximately 2.5hrs
Charging Time	3–4hrs
Life	>300 cycles (80% capacity)



Limited Warranty

Protron warrants this product to be free from manufacturing defects in material and workmanship under normal use for the period listed at the bottom of this document.

How to obtain service:

- Call the Protron Customer Support line at 1-888-257-8899. If the issue cannot be resolved over the phone, a service tag number will be issued and the product must be returned to Protron, at your expense, for assessment and repair/replacement. To request warranty repair, you may also contact us by e-mail at service@protronusa.com. For all other customer service related inquiries, please email us at customerservice@protronusa.com.
- Proof of purchase in the form of a bill of sale or receipted invoice with product name, model and serial #, which provides evidence that the product is within the warranty period, must accompany the product to obtain warranty service.

This warranty does not cover:

- Physical or cosmetic damages.
- Damage caused by abuse and/ or neglect.
- Ordinary adjustments as outlined in the owners manual that can be performed by the customer.
- Damage to equipment not properly connected to the product.
- Any cost incurred in shipping the product for repair.
- Signal reception problems caused by external antenna, cable systems or interference.
- Incompatibility due to a change in TV/CATV broadcast systems after the product was sold.
- Batteries.
- Images burnt onto the screen.
- Initial installation and related adjustments.
- Power surge and/or damage by lightning.
- Force majeure or uncontrollable external force damage.
- Product shipped for service with inadequate packaging or packaging materials

Limited Warranty

What we will do:

- Protron will assess the product and cover all labor charges to repair your product.
- Protron will provide new, or at our discretion, refurbished replacement parts required to repair your product.

This warranty is void if:

- Product is used in a commercial application or rental.
- Damaged through misuse, negligence or abuse.
- Modified or repaired by anyone other than an authorized PROTRON service center.
- Damaged because it is improperly connected to any other equipment.
- If the original proof of purchase cannot be supplied.
- If the identifiable markings on the product such as Serial # are defaced, unrecognizable, or missing.
- The product is used outside the country in which it was originally sold.

This warranty is non-transferable and only applies to the original purchase. Any implied warranties, including the warranty of merchantability, are limited in duration to the period of this expressed warranty and no warranty whether expressed or implied shall apply to the product thereafter. Under no circumstance shall PROTRON be liable for any loss or consequential damage arising out of the use of this product. This warranty gives specific legal rights. However, you may have other rights that may vary from state/province to state/province. Some states/provinces do not allow limitations on implied warranties or exclusions of consequential damage. Therefore these restrictions may not apply to you.

90 days Labor and Parts

Protron Digital Corporation

<http://www.protronusa.com/>

PDV-288

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