Table Of Contents

Safety Precautions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

∘ The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.

∘ The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. Dangerous high voltage are present inside the enclosure. Do not open the cabinet.

CAUTION: To prevent electric shock, match wide blade plug to wide slot, fully insert.

CAUTION: The unit employs a laser system. To ensure the proper use of the unit, read this manual carefully and keep it for future reference. If the unit requires servicing, contact the seller or our service center-see"troubleshooting".
To prevent direct exposure to the laser radiation, do not open the cabinet. Invisible laser radiation when the cabinet is opened or the interlocks are defeated. Do not stare into the laser beams.
Use of any controls, adjustments, or procedures other than those specified herein may result in hazardous radiation exposure.

WARNING: Any change or modification to the unit, not expressly approved by **Memorex** or its authorized parties, could void user's authority to operate the unit.

Safety Precautions

Power Sources

This unit operates on a supplied AC adaptor, car adaptor and chargeable batteries.

- Make sure that the input voltage of the AC adaptor is in line with the local voltage. Otherwise, the AC adaptor and unit may be damaged.
- Do not touch the AC adaptor with wet hand so as to avoid electric shocks.
- When connecting with car power (cigaratte lighter) adaptor, be sure the input voltage of the adaptor is identical with car voltage.
- Unplug the AC adaptor from the outlet or remove the chargeable batteries when the unit is not used for a long time.
- Hold the plug to disconnect the AC adaptor. Do not pull the power cord.

On Placement

Avoid placing the unit in the following places.

- Under direct sunlight or near a source of heat such as a heater.
  Never leave the unit in a closed automobile, on a dashboard or a parcel shelf. Excess heat may deform the cabin or cause malfunction.
- Where it is very dusty or sandy.
- Wet or humid places, such as bathroom.
- Near sources of strong magnetism, such as television, speaker, or magnet.
- Where there is a lot of movement or vibration, such as on a car dashboard or an unstable shelf.
- Where it is extremely hot or cold.
- Where the unit is exposed to rain or water.

For Safety

- Do not disassemble the unit for laser rays are dangerous to eyes.
  Any service should be done by qualified service personnel.

- Unplug the AC adaptor to cut the power if liquid or objects get inside the unit.
- Take care not to drop the unit or subject it to strong shocks, which may cause malfunction.

Note: When unit is in use for a long period of time, the surface of the unit will be heated. This should not effect the unit ability to playback.

Maintenance For Pickup

- If the unit is suddenly moved from a cold place to a warm one to experience a rapid temperature change, or the unit is put in a humid place, moisture will condense on the pickup lens and result in malfunction or playback difficulties. In this case, unload the disc and leave the unit on for about one hour to evaporate the moisture.
- Keep dust from the pickup lens. Keep the disc tray closed after use. If there is dust on the pickup lens, use a cleaning disc to clean them. Please refer to the operation instructions of the cleaning disc you bought.

When Using Headphones

- To avoid hearing damages caused by sudden big volume, keep the volume at the lowest level before play back. Then adjust it to needes level.
- Keep the volume lower to protect your ears.
- Never wear headphones when driving or riding bicycle so as to avoid traffic accidents.

Important Safety Instructions

(1) Read instructions - All the safety and operating instructions should be read before the product is operated.

(2) Retain instructions - The safety and operating instructions should be retained for future reference.

(3) Warnings - All warning on the product and in the operating instructions should be adhered to.

(4) Follow instructions - All operating and use instructions should be followed.

(5) Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

(6) Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.

(7) Water and moisture - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

(8) Accessories - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

(9) A product and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn.

(10) Power Sources - This product should be operated only from the type of power source indicated.on the rear panel. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

(11) Grounding or Polarization - This product may be equipped with a polarized alternating - current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

(12) Power - Cord Protection - Power - supply cords should be routed so that they art not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs. convenience receptacles, and the point where they exit from the product.

(13) Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power - line surges.

Important Safety Instructions

(14) Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

(15) Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

(16) Object and Liquid Entry - Never push objects of any kind into this product through result in a fire or electric shock. Nevre spill liquid of any kind on the product.

(17) Servicing - Do not attempt to service this product yourself as it must be opened by qualified service personnel.

(18) Damages Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.

a) When the power - supply cord or plug is damaged.

b) If liquid has been spilled, or objects have fallen into the product.

c) If the product has been exposed to rain or water.

d) If the product does not operate normally by following the operating instructions.

Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

e) If the product has been dropped or damaged in any way.

f) When the product exhibits a distinct change in performance - this indicates a need for service.

(19) Replacement parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

(20) Safety Check - Upon completion of any service or repair to this product, ask the service thchnician to perform safety checks to determine that the product is in proper operating condition.

(21) Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.

(22) During playback, few bright or dark flecks may appear on the TFT LCD, which is a normal phenomenon in active matrix display technology, but not a malfunction.

Features

1. High Defintion

The unit adopts MPEG2 coding format and brings the horizontal resolution over 500 lines.

2. Unique Functions

Multi - angle and multi - language brings unique trick functions.

Parental lock makes it easy to control the content of discs.

3. Zoom

The MM-5000 has a unique feature that can zoom multi-media playback 2X,3X or 4X the original size. The MM-5000 can also shrink multi-media playback by 1/2, 1/3, or by 1/4 the original size.

4. Multi - Functions

Fast forward, fast reverse, slow play, frame play, repeat play and program play.

5. Time Search

It can search a specific part on a disc, especially good for watching action movies.

6.Content Display

5" TFT LCD and English OSD, makes the disc content clearer.

7.Audio Output

Analog audio output, optical digital audio output can be connected with any amplifier to enjoy high quality sound effects.

8.TFT color LCD, chargeable batteries, headphone output, convenient for enjoying great pictures and beautiful music on the way.

Definition Of Terms

- **Title**

  The images or music of a DVD are divided into some units, among which title is the biggest one. To an image in video software, title is movie, to a piece of music in audio software, it is music.
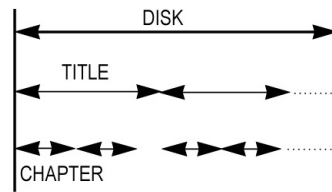
- **Chapter**

  It is smaller than title among the units of a DVD. A title is made up of several chapters, and each chapter has a number for search. But some discs may not have numbered chapters.
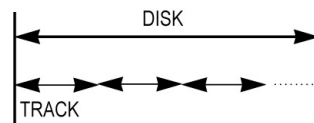
- **Track**

  The music in a CD. Each track has a number for search.
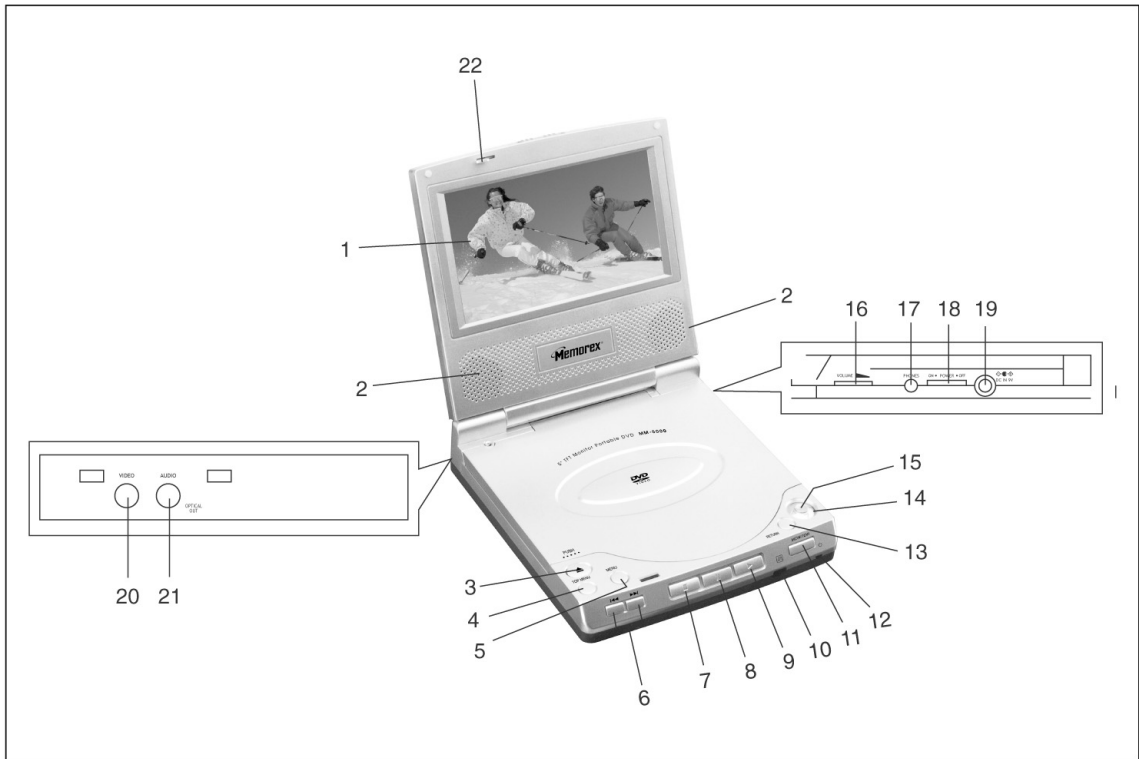
Structure Of DVD

Structure Of CD

Accessories

Check if you have all the accessories after the carton is opened.

- Audio cable	1		- Video cable	1
- Remote control	1		- Owner's manual	1
- AC power adaptor	1		- Rechargeable battery pack and charger	1
- Car cigarette adaptor	1			

Name Of Parts

° Main Unit

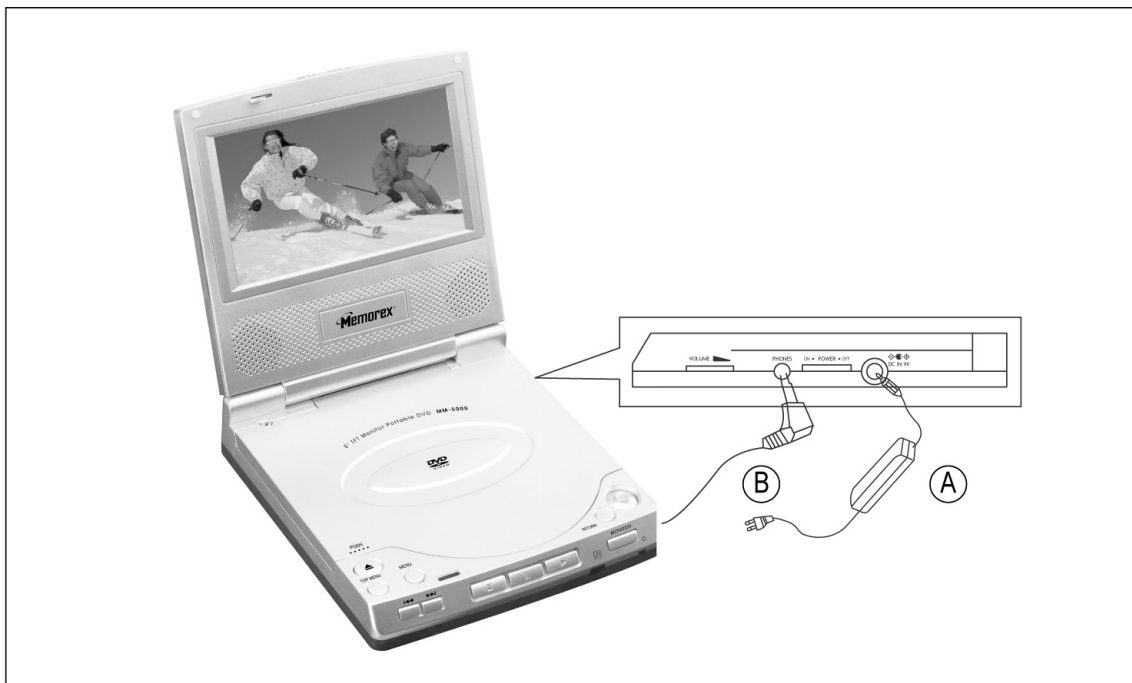|	
(1) TFT LCD	(12) POWER INDICATOR
(2) SPEAKER	(13) RETURN
(3) PUSH OPEN	(14) DIRECTION BUTTONS
(4) TOP MENU	(15) ENTER
(5) MENU	(16) VOLUME
(6) PREVIOUS/NEXT	(17) PHONES JACK
(7) STOP	(18) POWER ON/OFF
(8) PAUSE	(19) DC IN
(9) PLAY	(20) VIDEO OUT
(10) REMOTE SENSOR	(21) AUDIO OUT/OPTICAL
(11) MONITOR	(22) LOCK

Name Of Parts

°ˆ**Remote Control**

(1) OSD
(2) SUBTITLE
(3) NUMBER BUTTONS
(4) SETUP
(5) DIRECTION BUTTONS
(6) PLAY
(7) MENU
(8) STOP
(9) PAUSE
(10) FF/FR SEARCH
(11) PREV/NEXT SKIP
(12) AUDIO MODE
(13) DIGEST
(14) REPEAT

(15) A-B REPEAT
(16) ZOOM
(17) MUTE
(18) TITLE
(19) SLOW PLAY
(20) RETURN
(21) CLEAR
(22) TIME SEARCH
(23) RESUME
(24) PLAY MODE
(25) LANGUAGE
(26) ANGLE
(27) REMOTE TRANSMITTER

Connections

BEFORE MAKING ANY CONNECTIONS

∞ Turn the MM-5000 off and also make sure that the external equipment's power is turned off as well.

∞ Make sure that all the connections are secure.

∞ When disconnecting a cord or cable hold the plug of that cable and pull in the opposite direction of the external equipment. Do not pull from the cord, this could cause damage to the cord's plug.

USING THE AC ADAPTOR ⟶ Ⓐ

The MM-5000 is designed to use the AC adapter.

∞ Make sure that your household electric sockets correspond with your AC adapter's specifications.

∞ Insert the AC adapter into the MM-5000's DC INPUT jack.

∞ Insert one end of the power supply cord into the input jack of the adapter and the other end into the household electric socket.

USE HEADPHONES ⟶ Ⓑ

∞ Insert headphones into the phones jack B of the unit.

∞ Turn off the power when inserting or removing headphones.

Connections
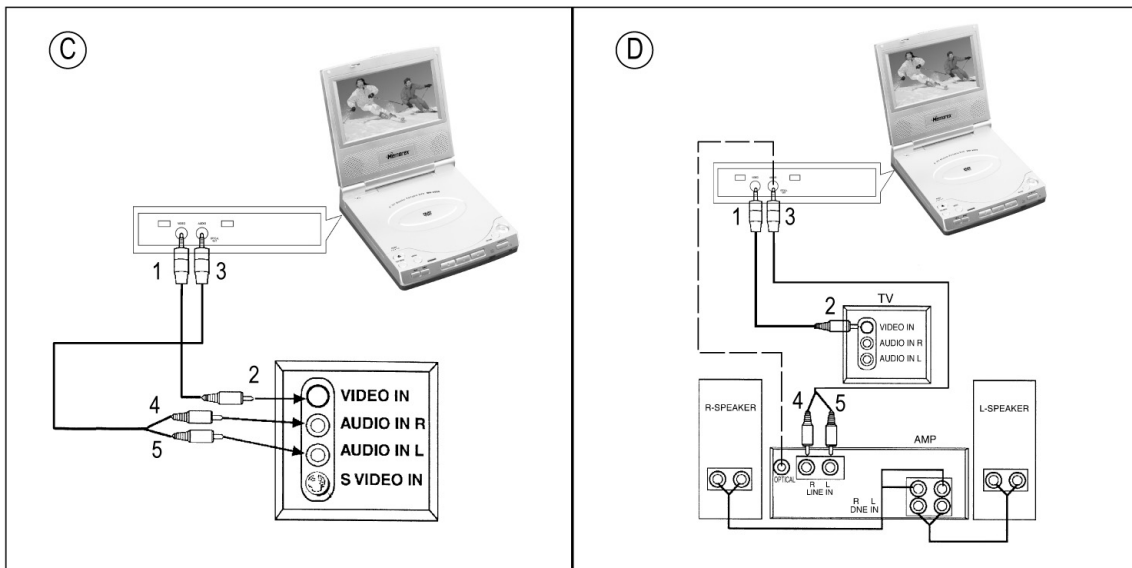
CONNECT TO A TV ⟶ Ⓒ

Connect the AV cables according to diagram Ⓒ :

1. Connect the yellow cable's Mini-plug to the MM-5000's VIDEO OUTPUT jack.
2. Connect the Yellow plug to the TV's VIDEO INPUT jack.
3. Connect the red and white Audio cable's Mini-plug to the MM-5000's AUDIO OUTPUT jack.
4. Connect the Red plug to the TV's AUDIO IN R jack.
5. Connect the White plug to the TV's AUDIO IN L jack.
6. After all connections have been made select the TV's correct input channel by pressing the TV's correct input channel selection button.

CONNECT TO A TV AND AN AMPLIFIER ⟶ Ⓓ

Connect the AV cables according to diagram Ⓓ :

1. Connect the yellow Video cable's Mini-plug to the MM-5000's VIDEO OUTPUT jack.
2. Connect the Yellow plug to the TV's VIDEO INPUT jack.
3. Connect the red and white Audio cable's Mini-plug to the MM-5000's AUDIO OUTPUT jack.
4. Connect the Red plug to the amplifier's AUDIO IN R jack.
5. Connect the White plug to the amplifier's AUDIO IN L jack.
6. If your amplifier has optical digital input terminal, you can connect the DVD player to the amplifier with an optical cable through the optical terminal.
7. After all connections have been made select the TV's correct input channel by pressing the TV's correct input channel selection button and configure the amplifier according to the amplifier's user guide.

Note: If the MM-5000's video signal is outputted through a VCR Macrovision will be activated and distort the video playback.For a more detailed description of Macrovision refer to Pg.35.

°§10°§
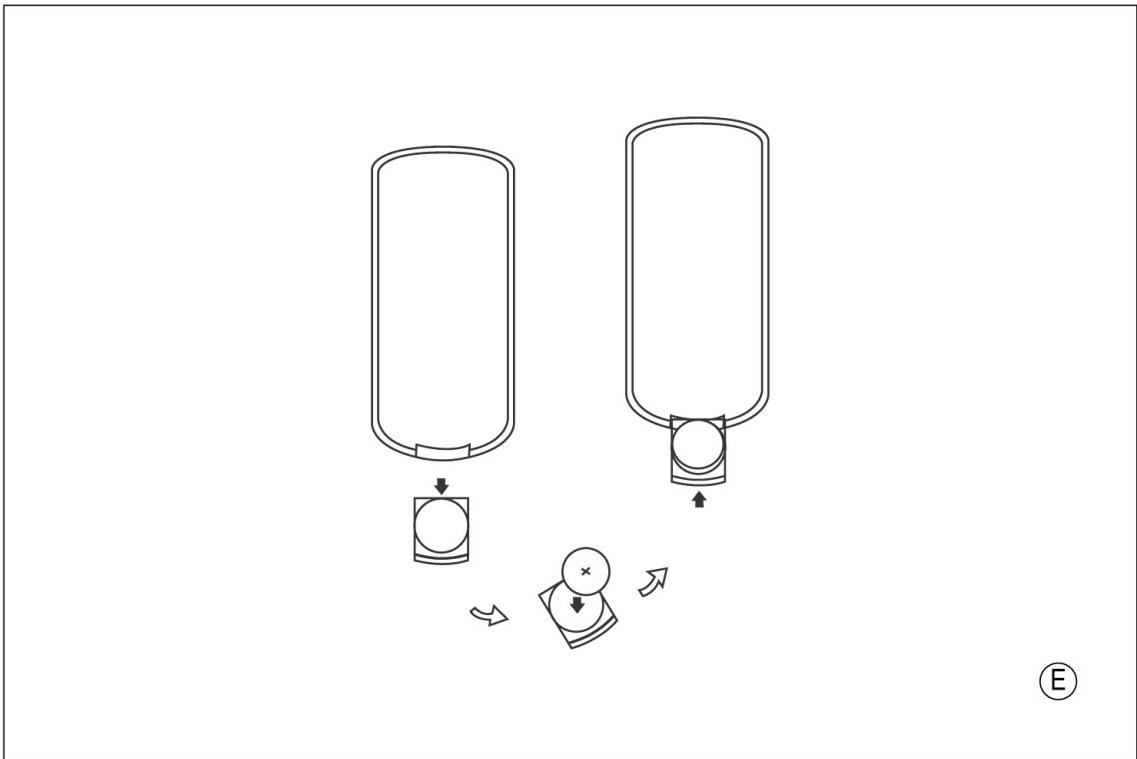
USING THE REMOTE CONTROL

∘ Before using the remote be sure to remove the plastic shipping strap located at the bottom of the remote.

∘ To use the remote control, point the remote at the sensor located on the front of the unit.

∘ Make sure to operate the remote within 16 ft at approximately 60 degrees.

∘ Generally,the remote battery will last for about a year.To replace the battery refer to diagram E and the following steps.

      Turn the remote upside down so the buttons are facing down.

      Pinch the lever located on the battery compartment towards the center.

      While the lever is pinched inward pull the compartment toward you to remove the compartment.

      When changing batteries make the + side of the battery corresponds with the + stamped side of the battery compartment.

      After the battery has been changed slide the battery compartment back into the remote.

∘ Be sure to remove the batteries from the remote if the remote is not going to be used for a long period of time.

Preparations Before Operation

PLAYABLE DISCS

TYPE	DISC LOGO	CONTENT	SIZE	plAying time
DVD	**DVD** VIDEO	audio+video (motion pictures)	12cm	about 2hrs(single-side disc)
				about 4hrs (double-side disc)
			8cm	about 80mins(single-side disc)
				about 160mins(double-side disc)
CD	COMPACT disc DIGITAL AUDIO	audio	12cm	about 74mins
			8cm	about 20mins
MP3		audio	8cm	about 600mins

The marks shown in the following chart are used in the manual.

MARK	INDICATION
DVD	functions of DVD
CD	functions of CD

Basic Operations
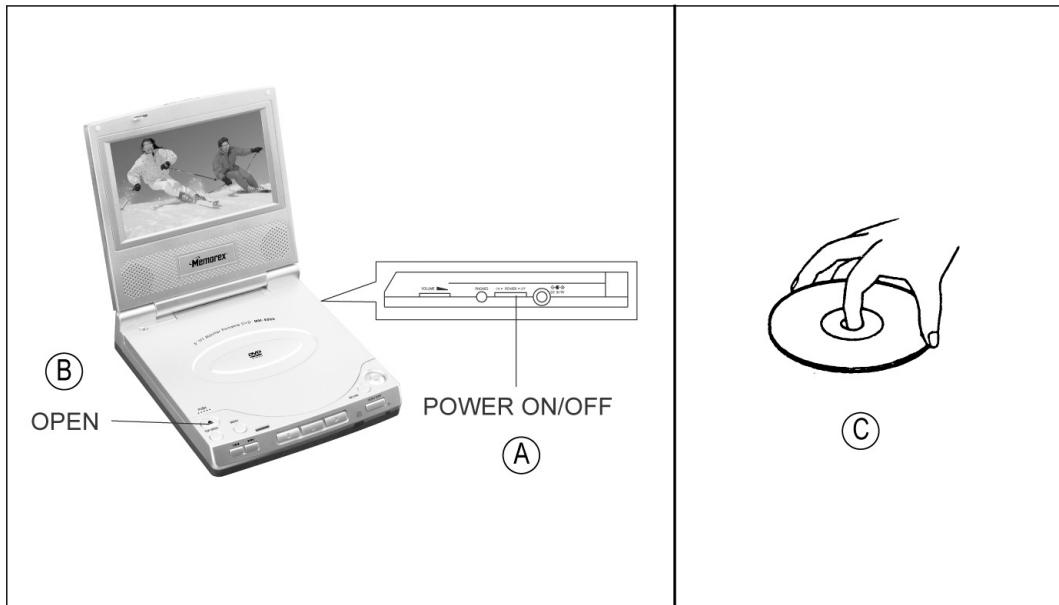
BEFORE OPERATION ➝ Ⓐ

- To power up the MM-5000 slide the POWER ON/OFF switch shown in diagram A to ON.
- Slide the lock switch to the left and open the TFT screen to an upright position.
- Turn the VOLUME wheel to adjust the volume to preferred lebels. The volume knob also controls the headphones volume as well.
- When the MM-5000 is connected to a TV or an amplifier adjust the volume according to the external equipment's user guide.

Note:If headphones are plugged into the AUDIO OUTPUT jack instead of the PHONES jack the VOLUME wheel will not control the headphones volume. To prevent this from happening make sure headphones are always plugged into the PHONES jack.

LOADING DISCS ➝ Ⓑ and Ⓒ

- Press the OPEN button shown in diagram B to open the disc tray.
- To load a disc refer to diagram C and follow the directions below.

> Hold the edge of the disc and align the center of the disk with the center of the disk tray.
> Once the center of the disc is aligned with the center of the disk tray press the center of the disc so it is firmly seated under the spindle's pins shown in diagram C.
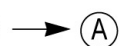> Close the disc tray and wait until it clicks.

Basic Operations

Playing Discs   DVD ° CD

1. Load a disc and press ► (PLAY) to play the disc.
2. Stop playback.

   Press °ˆ .
3. Remove the disc and switch off the unit.

° You have to press this " °ˆ " button twice to stop the playback of DVD discs.

Pause ► Ⓐ   DVD ° CD

Press ❚❚

° Pause multi-media playback by pressing the pause button ❚❚ .

   After the pause button has been pressed the unit will go into step mode shown in digaram A.

┌──────────────────────────┐
│   ❚❚ ►   │
│   │
│ Ⓐ   │
└──────────────────────────┘

° When the MM-5000 is in step mode it can advance playback frame by frame every time the pause button ❚❚ is pressed.

   To resume playback press the play button ► .

OSD   DVD ° CD

The On-Screen Display (OSD) contains many playback features. To see the Display, press the OSD button on the remote while a disc is playing. The picture being played will be zoomed out to the top of the screen. The Display appears under the zoomed picture. Use the ▲ or ▼ buttons on the remote to move through the different playback features in the Display. When a playback feature is highlighted, press the ► (PLAY) button and the text box by the right side of it will be highlight. Use the ▲ or ▼ buttons on the remote to move through the choices displayed in the text box.

Remember, you can only access the Display when you're playing a disc. Also, the Display features are only available if the disc was created with that particular feature.

The invalid symbol " ⊘ " appears on the screen when a command cannot be performed because it is temporarily unavailable. If one of the playback features is "grayed out", that Display feature isn't available for the disc you're playing.

To make the Display disappear from the screen, press OSD on the remote.

Basic Operations

DVD discs have the following playback features: Title, Chapter, Audio, Subtitle, Angle, TT (Title) Time, CH (Chapter) Time, Repeat and Time Display.

°ˆ **Selecting a Title**

Some discs contain more than one title. Each title is divided into chapters. To select a title:

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. If "Title" on the Display isn't highlighted, use the ▲ or ▼ buttons to highlight it.
3. Press the ► (PLAY) button, the text box by the right side is now highlighted.
4. Use the number buttons on the remote to enter a title number that you want to play.

Note: Some discs only have one title.

°ˆ **Selecting a Chapter**

Because DVD discs use digital technology, a title can be divided into chapters (similar to tracks on a CD). You can skip to a specific chapter by using the Chapter feature in the Display.

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. Press the ▲ or ▼ buttons to highlight "Chapter".
3. Press the ► (PLAY) button, the text box by the right side is now highlighted.
4. Use the number buttons on the remote to enter a chapter number that you want to play.

Notes: The Chapter feature won't work if the disc isn't formatted with separate chapters. You can also advance to the next chapter by pressing ►►| on the remote and go to the preceding chapter by pressing |◄◄ on the remote.

°ˆ **Changing the Audio Language**

If the disc was created with different language tracks (recorded in different languages), you can use the Display to temporarily change the DVD player's Audio Language setting.

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. Press the ▲ or ▼ buttons to highlight "Audio".
3. Press the ► (PLAY) button, the audio languages appear on the screen.
4. Press the ▲ or ▼ buttons to move through the audio languages that are available on the disc. Press the ► (PLAY) button when the audio language you want to use is highlighted.
5. To make the Display disappear, press the OSD button on the remote.

Note: The Language feature only works if the disc was created with multiple audio tracks. When you choose an audio language from the Display, you only override the audio language setting in the DVD player's main menu temporarily.

The audio language can also be changed through the DVD player menu.

°ˆ **Changing the Subtitle Language**

If the disc was created with different subtitles, you can use the Display to change the Subtitle language.

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. Press the ▲ or ▼ buttons to highlight "Subtitle".
3. Press the ► (PLAY) button, the subtitle languages appears.

Basic Operations

4. Press the ▲ or ▼ buttons to move through the subtitle languages that are available on the disc. Press the ► (PLAY) button when the subtitle language you want to use is highlighted.

5. To make the Display disappear, press the OSD button on the remote.

Note: Changing the subtitle language with the Display will only affect the disc currently being played. When the disc is removed or the player is turned off, the subtitle language will revert to the language setting specified through the DVD player main menu. The subtitle language can also be changed through the DVD player menu.

° ˆ **Changing the Camera Angle**

Some discs contain multiple angles of a particular scene or sequence. When multiple angles are available, to change the camera angle:

1. While the disc is playing, press OSD on the remote to bring up the Display.

2. Press the ▲ or ▼ buttons to highlight "Angle".

3. Press the ► (PLAY) button, the text box by the right side is now highlighted.

4. Use the number buttons to enter an angle number that you want to play.

5. To make the Display disappear, press the OSD button on the remote.

° ˆ **Setting Title Time**

You can skip to a specific title time by using the Title Time feature in the Display.

1. While the disc is playing, press OSD on the remote to bring up the Display.

2. Press the ▲ or ▼ buttons to highlight "TT (Title) Time".

3. Press the ► (PLAY) button, the text box by the right side is now highlighted.

4. Use the number buttons on the remote to enter a title time that you want to play.

° ˆ **Setting Chapter Time**

You can skip to a specific chapter time by using the Chapter Time feature in the Display.

1. While the disc is playing, press OSD on the remote to bring up the Display.

2. Press the ▲ or ▼ buttons to highlight "CH (Chapter) Time".

3. Press the ► (PLAY) button, the text box by the right side is now highlighted.

4. Use the number buttons on the remote to enter a chapter time that you want to play.

° ˆ **Using the Repeat Feature**

The default mode for the Repeat feature is OFF. There are three Repeat options:

˚˙ All-repeats the disc that is playing

˚˙ Title-repeats the title that is playing

˚˙ Chapter-repeats the chapter that is playing

To Use Repeat:

1. While the disc is playing, press OSD on the remote to bring up the Display.

2. Press the ▲ or ▼ buttons to highlight "Repeat".

3. Press the ► (PLAY) button, the repeat options appears.

4. Press the ▲ or ▼ buttons to move through the repeat options. Press the ► (PLAY) button when the repeat option you want to use is highlighted.

5. The selected repeat option will loop repeatedly until you turn Repeat off.

Basic Operations

How to Cancel Repeat:

- Press STOP twice.
- Go to Repeat feature in the Display and select Off.
- Eject the disc.

Shifting the Displayed Time

Using the Time Display feature in the Display, you can shift the time displayed on the screen, between: Title Elapsed Time, Title Remain Time, Chapter Elapsed Time, and Chapter Remain Time.

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. Press the ▲ or ▼ buttons to highlight "Time Disp".
3. Press the ► (PLAY) button, the time options appears.
4. Press the ▲ or ▼ buttons to move through the time options. Press the ► (PLAY) button when the option you want to use is highlighted.
5. To make the Display disappear, press the OSD button on the remote.

WHEN PLAYING CD

CD discs have the following playback features: Track, Disc Time, Track Time, Repeat and Time Display.

Selecting a specific Track

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. Press the ▲ or ▼ buttons to highlight "Track".
3. Press the ► (PLAY) button, the text box by the right side is now highlighted.
4. Use the number buttons on the remote to enter a track number that you want to play.

Setting Disc Time

You can skip to a specific disc time by using the Disc Time feature in the Display.

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. Press the ▲ or ▼ buttons to highlight "Disc Time".
3. Press the ► (PLAY) button, the text box by the right side is now highlighted.
4. Use the number buttons on the remote to enter a disc time that you want to play.

Setting Track Time

You can skip to a specific track time by using the Track Time feature in the Display.

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. Press the ▲ or ▼ buttons to highlight "Track Time".
3. Press the ► (PLAY) button, the text box by the right side is now highlighted.
4. Use the number buttons on the remote to enter a track time that you want to play.

Using the Repeat Feature

The default mode for the Repeat feature is OFF. There are two Repeat options for CDs:

- All-repeats the disc that is playing
- Track-repeats the track that is playing

To Use Repeat:

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. Press the ▲ or ▼ buttons to highlight "Repeat".
3. Press the ► (PLAY) button, the repeat options appears.
4. Press the ▲ or ▼ buttons to move through the repeat options. Press the ► (PLAY) button when the repeat option you want to use is highlighted.
5. The selected repeat option will loop repeatedly until you turn Repeat off.
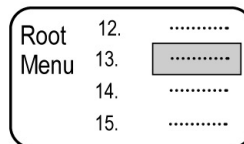
Basic Operations

˚ˆ Shifting the Displayed Time

Using the Time Display feature in the Display, you can shift the time displayed on the screen, between: Single (Track) Elapsed Time, Single (Track) Remain Time, Total (Disc) Elapsed Time, and Total (Disc) Remain Time.

1. While the disc is playing, press OSD on the remote to bring up the Display.

2. Press the ▲ or ▼ buttons to highlight "Time Disp".

3. Press the ► (PLAY) button, the time options appears

4. Press the ▲ or ▼ buttons to move through the time options. Press the ► (PLAY) button when the option you want to use is highlighted.

5. To make the Display disappear, press the OSD button on the remote.

DVD Menu Play ⌒DVD⌒

some DVDs have title menus and chapter menus.
Press ► (PLAY), the screen shows the menu.
Press ►►| or |◄◄ to skip the next or previous page, select with number buttons or direction buttons.

```
         1. ···········
Root     2. ···········
Menu     ⋮  ···········
         11. ···········
```
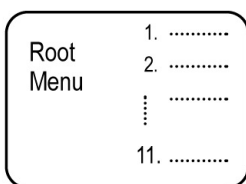
Example: select track 13.

1. Press ►►| to enter the next menu.

```
Root    12. ···········
Menu    13. ···········
        14. ···········
        15. ···········
```
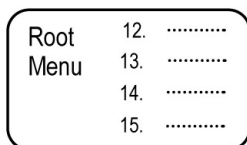
2. Press number buttons to select directly.

You can also do as follows:

1. Press ▼ to select track 13.

```
Root    12. ···········
Menu    13. ▭▭▭▭▭▭▭▭▭▭
        14. ···········
        15. ···········
```

2. Press ► (PLAY)to start playing track 13.

Press TITLE once to return to the title menu. Press MENU once to return to the root menu.

Select With Number Buttons ⌒CD⌒

Load a disc. Press number buttons to select tracks after the unit finishes reading the disc.

1. If the track number isn't over 10, just push buttons 1-10.
   Example: push 8 to select track 8.

   The screen shows:

```
   Track08/20   00:00
```
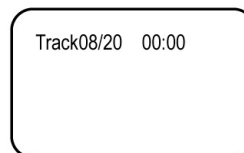
2. If the track number is over 10, press + 10 once and a button among 1-10.
   Example: if you select track 12, press +10 once and button 2 .

   The screen shows:

```
   Track12/20   00:00
```

Function Setting

Menu Setting

⌒ DVD ⌒ ⌒ CD ⌒

According to the recorded information and external equipment,set the following functions for the player to obtain the best playing status.

1.Press SETUP to set the main menu.

SETUP

The main menu appears on the screen, with icons across the top of the screen, illustrating General Setup, Audio Setup, LCD Setup, Preference, Password Setup, and Exit.
The screen shows:

```
-- Setup Menu--Main page --
   General Setup
   Audio Setup
   LCD Setup Page
   Preference Setup
   Password Setup
   Exit Setup
   Go To General Setup Page
```

2. Press direction buttons (▼ or ▲) to select and press ► (PLAY) to confirm.
Example: Select "Audio Setup" and do some setup.
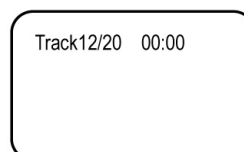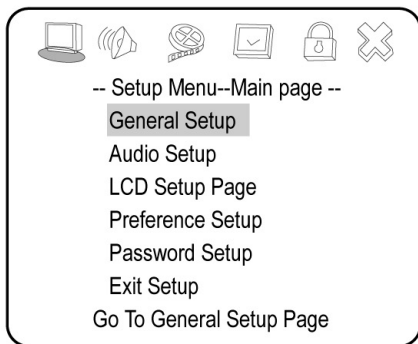 ° Press direction button ▼ to highlight "Audio Setup", press ► (PLAY) to enter "Audio Setup Page".

The screen shows:

```
   -- Audio Setup Page --
   Speaker Setup
   Dolby Digital Setup
   Equalizer
   3D Processing
   Main Page
   Go To Speaker Setup Page
```
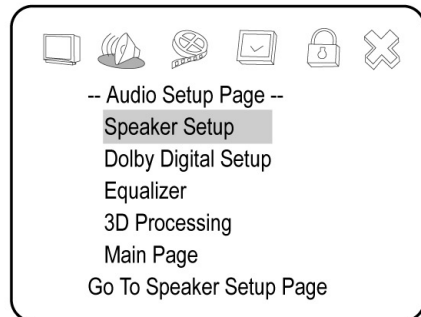
 ° Press direction buttons (▼ or ▲) to highlight "Dolby Digital Setup", and press ► (PLAY) to enter "Dolby Digital Setup"
Page. The screen shows the submenu for your selection.
The screen shows:

```
   -- Dolby Digital Setup --
   Dual Mono      STR    Stereo
                         L - Mono
                         R - Mono
                         Mix - Mono
   D.R.C
   Audio Setup
```
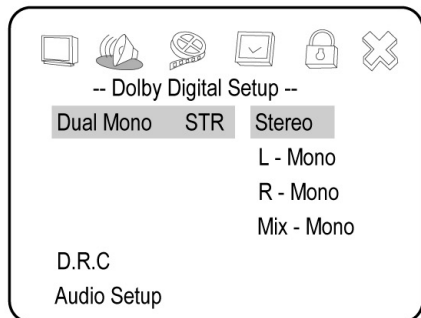
 ° Press direction buttons ►, ▼ to select "L - Mono".
The screen shows:

```
   -- Dolby Digital Setup --
   Dual Mono      STR    Stereo
                         L - Mono
                         R - Mono
                         Mix - Mono
   D.R.C
   Audio Setup
```
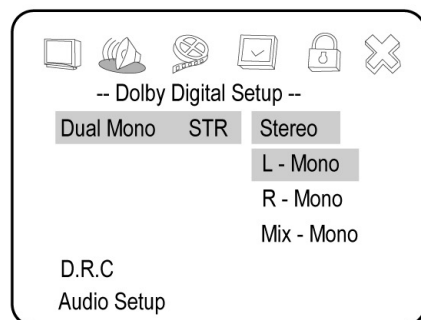
Function Setting

° Press ► (PLAY) to confirm your selection. Set "Dual Mono" in "Dolby Digital Setup" to "L - Mono".
The screen shows:

```
┌─────────────────────────────────────────┐
│  [□] [≪] [⊗] [☑] [🔒] [✕]               │
│                                           │
│   -- Dolby Digital Setup --               │
│  ┌──────────────┐                         │
│  │ Dual Mono  L │   Stereo                │
│  └──────────────┘  ┌──────────┐           │
│                    │ L - Mono │           │
│                    └──────────┘           │
│                     R - Mono              │
│                     Mix - Mono            │
│   D.R.C                                   │
│   Audio Setup                             │
└─────────────────────────────────────────┘
```
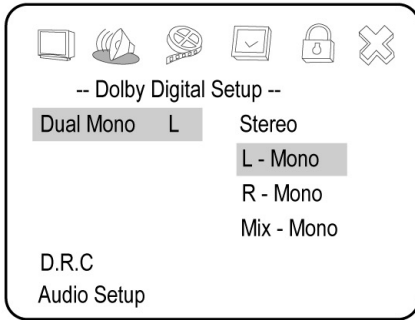
3. Exit setup menu.
° Press the direction button ◄ to exit from "Dual Mono".
° Press the direction button ◄ to exit from "Dolby Digital Setup".
° Press the direction button ▼ to highlight "Main Page" and press ► (PLAY). The screen shows:

```
┌─────────────────────────────────────────┐
│  [□] [≪] [⊗] [☑] [🔒] [✕]               │
│                                           │
│      Setup Page - - Main Page             │
│        General Setup                      │
│      ┌──────────────┐                     │
│      │ Audio Setup  │                     │
│      └──────────────┘                     │
│        LCD Setup Page                     │
│        Preference Setup                   │
│        Password Setup                     │
│        Exit Setup                         │
│      Go To Audio Setup Page               │
└─────────────────────────────────────────┘
```
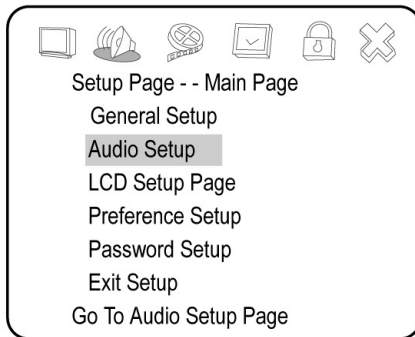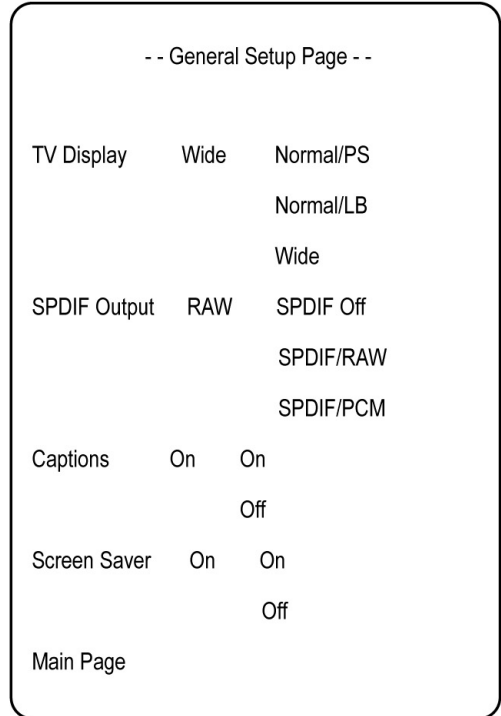
° Press the direction button ▼ to highlight "Exit Setup" and press ► (PLAY) to exit setup menu completely.

NOTE: You can also keep pressing the direction button ◄ until the cursor is moved to the last icon illustrating Exit, then press the ► (PLAY) button to exit setup menu completely.

GENERAL SETUP

The setting structure is as follows:

```
┌─────────────────────────────────────────┐
│        - - General Setup Page - -         │
│                                           │
│                                           │
│   TV Display      Wide      Normal/PS     │
│                                           │
│                             Normal/LB     │
│                                           │
│                             Wide          │
│                                           │
│   SPDIF Output    RAW       SPDIF Off     │
│                                           │
│                             SPDIF/RAW     │
│                                           │
│                             SPDIF/PCM     │
│                                           │
│   Captions        On      On             │
│                                           │
│                           Off            │
│                                           │
│   Screen Saver    On      On             │
│                                           │
│                           Off            │
│                                           │
│   Main Page                               │
└─────────────────────────────────────────┘
```
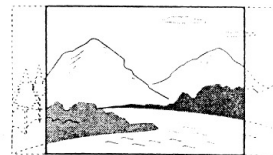
°˄ TV DISPLAY

1. NORMAL/PS
This is selected when the unit is connected to a normal TV.
Wide-screen images are shown on the screen, but with some parts cut automatically.
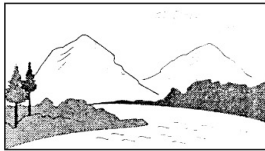
Function Setting

2. NORMAL/LB

This is selected when the unit is connected to a normal TV. Wide-screen images are shown on the screen, with black belt on the top and bottom.

3. WIDE

This is selected when the unit is connected to a wide-screen TV.

NOTE: You can press the MONITOR button on the DVD player to shift the display mode between "16:9" and "4:3".

SPDIF OUTPUT

SPDIF OFF: When SPDIF is off all digital coaxial and optical outputs are turned off.

SPDIF/RAW: When SPDIF/RAW is selected all digital coaxial and optical outputs are turned on and are able to output a Dolby Digital signal.
Note: In order output a Dolby Digital signal the amplifier or external device that the unit is hooked up to has to have Dolby Digital and MPEG decoding.

SPDIF/PCM: Select this when the DVD player is connected with a 2-channel digital stereo amplifier. When a Dolby Digital or MPEG disc is played, the digital port will output in PCM 2-channel format.

CAPTIONS

ON
The hidden subtitle is shown.

OFF
The hidden subtitle is turned off.

SCREEN SAVER

The screen saver is a feature that loads a brief animation on the screen when the unit is stopped or is left in idle for a few minutes. The screen saver is used to protect the TFT screen from a picture being burned to the screens surface.

ON: Activates the Screen Saver.
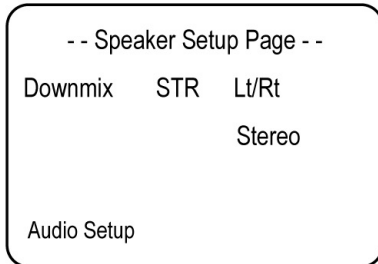
OFF: Disables the Screen Saver.

AUDIO SETUP

The setting structure is:

```
- - Audio Setup Page - -
  Speaker Setup
  Dolby Digital Setup
  Equalizer
  3D Processing
  Main Page
```

Function Setting

°ˆ SPEAKER SETUP

The setting structure is:

```
- - Speaker Setup Page - -

Downmix     STR     Lt/Rt

                    Stereo


Audio Setup
```
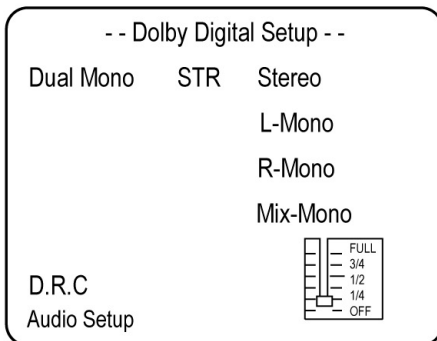
°ò LT/RT

A disc that is recorded in a multi channel soundtrack format will be incorported to the left and right channels.

°ò STEREO

A disc that is recorded in a multi channel soundtrack format will be incorported to stereo format.

°ˆ DOLBY DIGITAL SETUP

The setting structure is:

```
- - Dolby Digital Setup - -

Dual Mono    STR    Stereo

                    L-Mono

                    R-Mono

                    Mix-Mono
                            ┌─ FULL
                            ├─ 3/4
D.R.C                       ├─ 1/2
                            ├─ 1/4
Audio Setup                 └─ OFF
```

°ò DUAL MONO

This is the output mode of the L and R signals of the set audio output. If it is set to "MIXED MONO", the function only works when the DVD being played is 5.1-channel.
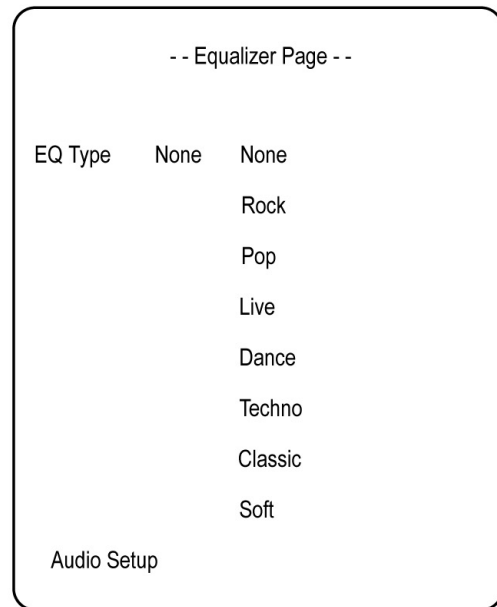
°ò D.R.C

This is selected to adjust linear compression rate to obtain the different compression results of the signals.

°ˆ EQUALIZER

The equalizer is used to select graphic equalizer patterns according to the genre of music being played

The setting structure is:

```
- - Equalizer Page - -


EQ Type      None     None

                      Rock

                      Pop

                      Live

                      Dance

                      Techno

                      Classic

                      Soft

Audio Setup
```

°ò EQ TYPE

You can select music category by pressing the direction buttons and confirm by pressing the PLAY button.

Function Setting

3D PROCESSING

The setting structure is:

```
- - 3D Processing Page - -

V SURR        Off    On
                     Off
Reverb Mode   Off    Off
                     Concert
                     Living Room
                     Hall
                     Bathroom
                     Cave
                     Arena
                     Church
Audio Setup
```

V SURR
Use to turn Virtual Surround on and off.

REVERB MODE
Use to select a Reverb Mode that you want to use.

LCD SETUP

The setting structure is:

```
- - LCD Setup Page - -

Picture Mode   Full    Normal
                       Full

Brightness     08

Color          08

Main Page
```

PICTURE MODE

NORMAL
The picture is in normal size.

FULL
The picture will fit on full screen.

BRIGHTNESS
You can use the ► or ◄ button to adjust the brightness.

COLOR
You can use the ► or ◄ button to adjust the color.

PASSWORD SETUP

The setting structure is :

```
- - Password Setup Page - -
Password Mode    Off    On
                        Off
Password               Change
Main Page
```

PASSWORD MODE
- ON: The password works, "PARENTAL" is dim and can not be selected.
- OFF: The password is locked, "PARENTAL" can be selected.

PASSWORD CHANGE
The password change function is used custimize the securely password.To change the password refer to the steps shown on the picture below.

```
Old Password     [        ]
New Password     [        ]
Confirm PWD      [        ]
               [ OK ]
```

Enter a password according to the screen.

Note: The password is automatically factory set to 99999.

Function Setting

PREFERENCES

The setting structure is :

```
- - Preference Page - -

Audio      ENG      English
                    French
                    Spanish
                    Chinese
                    Japanese

Subtitle   ENG      English
                    French
                    Spanish
                    Chinese
                    Japanese
                    Off

Disc Menu  ENG      English
                    French
                    Spanish
                    Chinese
                    Japanese

Country Region  USA  China
                     France
                     Hong Kong
                     Japan
                     Taiwan
                     GBR
                     USA

Parental   08     1 KID SAF
                  2 G
                  3 PG
                  4 PG 13
                  5 PGR
                  6 R
                  7 NC17
                  8 ADULT

Default           Reset

Main Page
```

°ˆ LANGUAGE SELECTION

The MM-5000 is capable of outputting any spoken language that is in the Audio section of the preference page as long as it is a recorded audio track on the media being played. The MM-5000 is also capable of displaying any written subtitles that is in the Subtitle section of the preference page as long as it is a recorded subtitle track on the media being played.

°ˆ PARENTAL LOCK

The Parental Lock function is used to customize playback by not allowing particular rating media to be played on the MM-5000. To set a particular rating of media to be played follow the following steps.

° Navigate to the Parental section on the Preferences Page.

° Select the rating that is desired and press the play button ► .

° The player will prompt you for your security password.

° Enter the security password then press the play button ► .

Note:Media that is rated higher than the set rating in the parental lock menu will require the security password 99999 in order to be played.

°ˆ DEFAULT >> RESET

Each function setting returns to the initial status in the factory if you select this option.

Note:

° "PREFERENCES" only can be selected after the unit goes into stop mode.
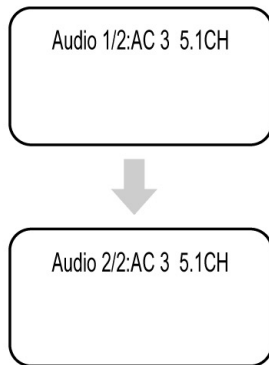
Playing Discs In Various Ways

Audio Mode DVD CD

° You may select a needed language from a multi-language DVD .

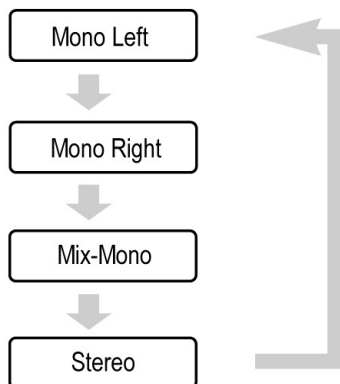° You may select the right channel or left channel or stereo from a multi-channel CD.

WHEN PLAYING DVD
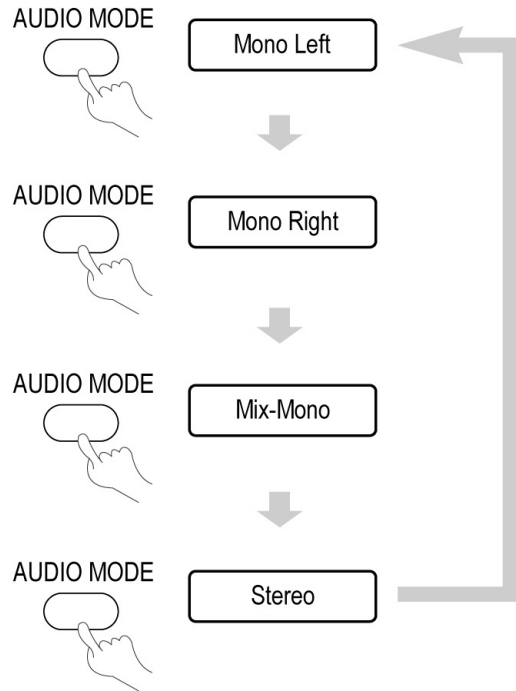
° Press LANGUAGE , the screen shows orderly:

Audio 1/2:AC 3 5.1CH

↓

Audio 2/2:AC 3 5.1CH

Different discs differ in languages.

° Press AUDIO MODE , the screen shows orderly:

Mono Left
↓
Mono Right
↓
Mix-Mono
↓
Stereo

WHEN PLAYING CD

AUDIO MODE → Mono Left

↓

AUDIO MODE → Mono Right

↓

AUDIO MODE → Mix-Mono

↓

AUDIO MODE → Stereo

You may select one mode.

Notes:
° Different discs differ in languages.

Playing Discs In Various Ways

Fast Play   DVD   CD

When playing a disc, you may play it fast forward or reverse it fast to find what you want.

WHEN PLAYING DVD OR CD

1. Press ►► to play fast forward . Each time you press the button, the screen shows orderly:

¢ÿ ►► 2X
¢⁄ ►► 4X
¢€ ►► 8X
¢‹ ►► 16X
¢› ►► 32X
¢fi ►
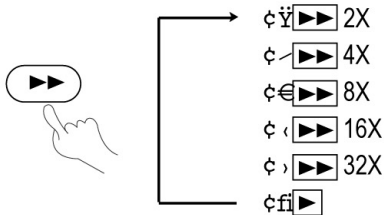
2. Press ◄◄ to play fast reverse. Each time you press the button, the screen shows orderly:

¢ÿ ◄◄ 2X
¢⁄ ◄◄ 4X
¢€ ◄◄ 8X
¢‹ ◄◄ 16X
¢› ◄◄ 32X
¢fi ►
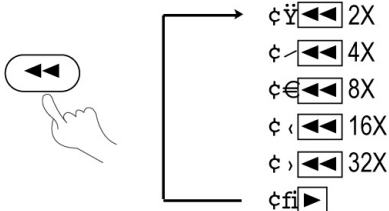
3. Press ► (PLAY) to switch to normal play while FF or FR playing.

Slow Play   DVD

The slow motion feature is used to slow the rate of playback.

WHEN PLAYING DVD

1. Press SLOW to play slowly.

SLOW

The screen shows orderly:

► 1/2 → ► 1/4 → ► 1/8 → ► 1/16
► ← ◄ 1/16 ← ◄ 1/8 ← ◄ 1/4 ← ◄ 1/2
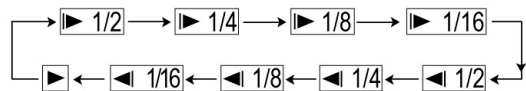
2.Press ► (PLAY) to play normally.

Playing Discs In Various Ways

Repeat Play

This function can be used to repeatedly play a title, chapter, track, disc, or some part on a disc.

PLAYING A DISC REPEATEDLY

° ˆ   DVD

You may repeat a title or chapter.

1. Repeat a chapter.
    Press REPEAT , the screen will show

    REPEAT

    ↻   Chapter
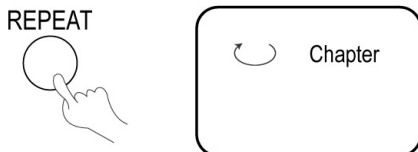
2. Repeat a title
    Press REPEAT twice, the screen will show

    REPEAT

    ↻   Title
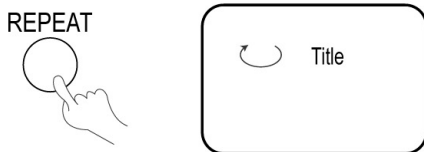
3. Repeat all.
    Press REPEAT third time, the screen shows " ↻ ALL".

4. Remove "REPEAT" function.
    Press REPEAT until " ↻ ALL " disappears.

° ˆ CD

⸱₀ You may repeat a track, a disc according to the following steps.

1. Repeat a track.
    Press REPEAT , the screen shows " ↻ Track". The unit plays the current track.

REPEAT
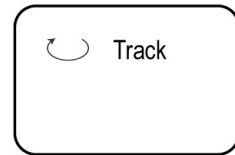
↻   Track

2. Repeat a disc.
    Press REPEAT , the screen shows " ↻ ALL". The unit plays all the tracks on the disc.

REPEAT

↻   ALL

3. Remove "REPEAT" function.
    Press REPEAT till " ↻ ALL " disappears.

REPEAT SOME PARTS

You may press A-B to enjoy some parts repeatedly when playing a disc.

° ˆ   PLAY DVD or CD.

1. Set a starting point A.
                    The screen shows:

    A-B

    ↻   A
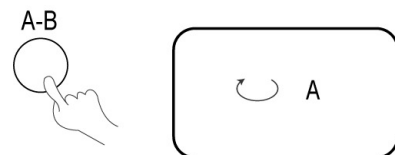
2. Set an end point B.
                    The screen shows:

    A-B

    ↻   AB

Afterwards, the unit plays from A to B.

3. Press A-B again till " ↻ AB " disappears.

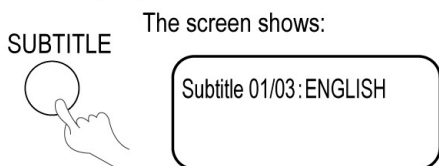## Playing Discs In Various Ways

Select Subtitles DVD

This operation works only with discs on which multiple subtitle language are recorded.

PLAY DVD

1. Press ⬚SUBTITLE⬚ repeatedly until the desired language is selected.

SUBTITLE   The screen shows:

Subtitle 01/03：ENGLISH

2. Remove the subtitle.
   Press ⬚SUBTITLE⬚ until the screen shows "Subtitle Off".

Notes:
- For some discs, subtitles can not be removed.
- Different discs differ in the language of subtitles.
- If the subtitles of discs can not be selected, press ⬚SUBTITLE⬚ , the screen shows " ⊘ ".

Select Different Viewing Angles DVD

Some multi-media discs are recorded from different viewing angles and these angles can be viewed at anytime during playback.To select between multiple viewing angles follow the following steps.

Example:
A DVD has four viewing angles at your option.
1. Press 📹 to select ANGLE1.

SCREEN

📹 1/4

2. Press 📹 to select other angles, the screen shows respectively:

📹 2/4 (select ANGLE2)

📹 3/4 (select ANGLE3)

📹 4/4 (select ANGLE4)

3. To resume normal playback, press 📹 to select original angle.

Note: Different viewing angles are only available if the multi-media was recorded with them.
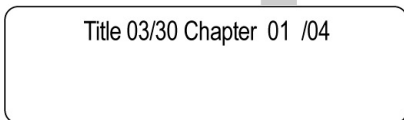
Time Search DVD CD

TIME SEARCH

The Time Search function is used to skip playback ahead to an entered time, title,or chapter number.To use the Time Search function refer to the steps below.
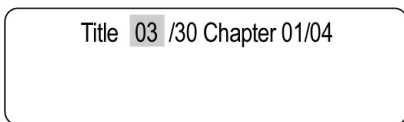
° ˆ PLAY DVD

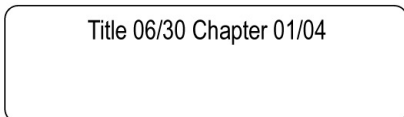1. Search a title or a chapter.

Example: Search chapter 2 in title 6.
° Press TIME SEARCH , the screen shows:

> Title 03/30 Chapter 01 /04

° Press the direction button and move the cursor to illuminate the title number. The screen shows:

> Title 03 /30 Chapter 01/04

° Press button 6 to select title 6, the screen shows:

> Title 06/30 Chapter 01/04

° Repeat the steps above, select chapter 2 in title 6.

2. TIME SEARCH

° Press TIME SEARCH until the screen shows:
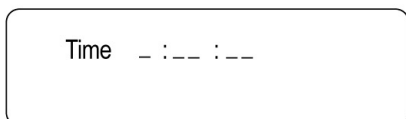
> Time _ : _ _ : _ _

° Press number buttons to enter hour, minute and second.
Example: Enter 1 , 0 , 2 , 3 , 8
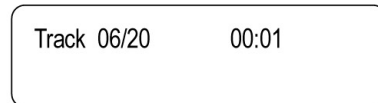After setting, the unit will play the disc from 1:02:38.

° ˆ PLAY CD
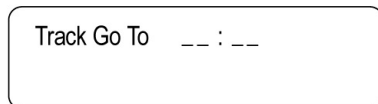To jump to a specific time, use TIME SEARCH to set the time for the desired location.
Example: Play from 00:01:38 of track 6.
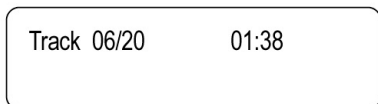1. Press button 6 to select track 6. The screen shows:

> Track 06/20   00:01

2. Press TIME SEARCH until the screen shows:

> Track Go To   _ _ : _ _

3. Press button 0 , 1 , 3 , 8 to enter the time. The screen shows:

> Track 06/20   01:38

° The unit plays from 00:01:38 of track 6 after setting.
° Press 10/0 to enter 0.
Note: CD discs have three options in time search function:
° You can enter the elasped time of a disc to play.
° You can enter the elasped time of a track to play.
° You can go to a track you want play by entering the track number.

Playing Discs In Various Ways

BookMark ⟨DVD⟩

The bookmark function lets you save a specific time on the disc and gives you the ability to reference that point at anytime during playback. To use the bookmark function refer to the steps below.

Storing a Bookmark

1. While a disc is playing, press RESUME on the remote.

2. The Bookmark Menu appears.

3. When you reach the scene you want to mark, press PLAY .

4. If you want to mark another point, press ► the button to move the cursor to next spot. When you reach another scene you want to mark, press PLAY .

5. Press RESUME to make the Bookmark Menu disappear from the screen and resume to normal playback.

Using a Bookmark

1. While a disc is playing, press RESUME on the remote.

2. The Bookmark Menu appears.

3. Use the direction buttons to highlight the bookmarked scene you want to activate. Press PLAY to go to the place you marked.
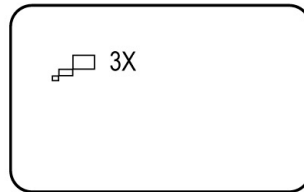
ZOOM PLAY ⟨DVD⟩

The zoom play function enlarges playback 2X, 3X, or up to 4X of the original size. To use the zoom play function refer to the steps below.

1. Press ZOOM during playback, the screen shows:

◲ 2X
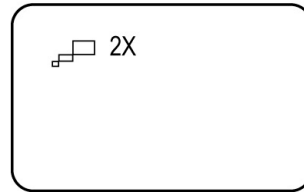
The playback is enlarged twice the original size.
2. Press ZOOM again, the screen shows:

◲ 3X

The playback is enlarged three times the original size.
Note: The unithas six zoom steps:

2X, 3X, 4X, 1/2 , 1/3 , and 1/4 .

3. Push ◄ , ▲ , ▼ , ► to move the enlarged picture.

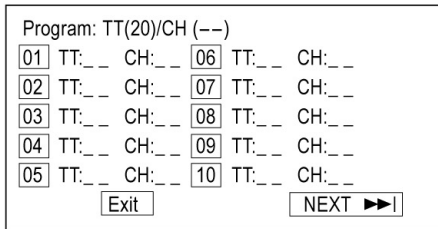4. To resume the picture, push ZOOM until the picture is in normal size.
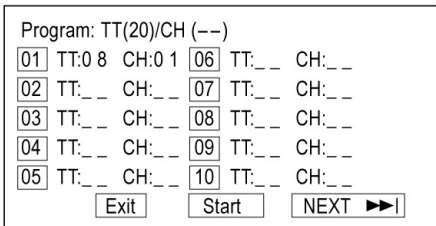
Program Play   DVD   CD

To use the program playback feature, you must enter the order in which you want the titles (and chapters) on the DVD or the tracks on the CD to play by creating a program.

WHEN PLAYING DVD

1. Press PLAY MODE until the screen shows:

```
Program: TT(20)/CH (––)
01  TT:_ _   CH:_ _   06  TT:_ _   CH:_ _
02  TT:_ _   CH:_ _   07  TT:_ _   CH:_ _
03  TT:_ _   CH:_ _   08  TT:_ _   CH:_ _
04  TT:_ _   CH:_ _   09  TT:_ _   CH:_ _
05  TT:_ _   CH:_ _   10  TT:_ _   CH:_ _
              Exit              NEXT  ▶▶|
```

2. Use the number buttons on the remote to enter the title (and chapter) you want to play first. The title (and chapter) number you entered appears in the box. The screen shows:

```
Program: TT(20)/CH (––)
01  TT:0 8  CH:0 1   06  TT:_ _   CH:_ _
02  TT:_ _   CH:_ _   07  TT:_ _   CH:_ _
03  TT:_ _   CH:_ _   08  TT:_ _   CH:_ _
04  TT:_ _   CH:_ _   09  TT:_ _   CH:_ _
05  TT:_ _   CH:_ _   10  TT:_ _   CH:_ _
          Exit     Start    NEXT  ▶▶|
```

3. The cursor jumps to the next spot in the program list section.
Make sure the box is highlighted and enter your next track.
4. Continue adding titles (and chapters) until your program is complete. After you are done programming the tracks you can begin playing the sequence by highlight START and then press the PLAY button.
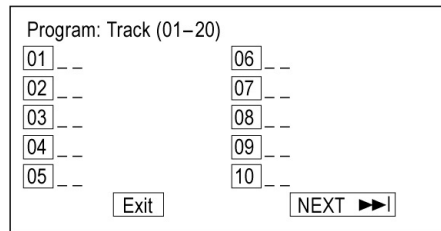Note: If the titles (and chapters) you want to program are more than 10, you can highlight NEXT and press PLAY to go to the next page.
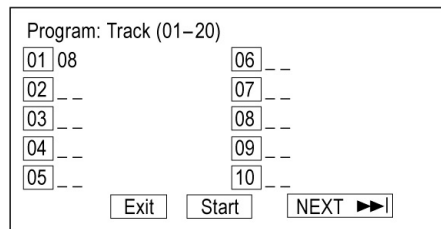
5. To remove program playback, press the STOP button twice during the program play.

WHEN PLAYING CD

1. Press PLAY MODE until the screen shows:

```
Program: Track (01–20)
01 _ _              06 _ _
02 _ _              07 _ _
03 _ _              08 _ _
04 _ _              09 _ _
05 _ _              10 _ _
         Exit            NEXT  ▶▶|
```

2. Use the number buttons on the remote to enter the track number you entered appears in the box. The screen shows:

```
Program: Track (01–20)
01 08               06 _ _
02 _ _              07 _ _
03 _ _              08 _ _
04 _ _              09 _ _
05 _ _              10 _ _
      Exit    Start     NEXT  ▶▶|
```

3. The cursor jumps to the next spot in the program list section. Make sure the box is highlighted and enter your next track.
4. Continue adding tracks until your program is complete. You can play you program by highlighting START and press PLAY
Note: If the tracks you want to program are more than 10, you can highlight NEXT and press PLAY to go to the next page.
5. To remove program playback, press the STOP button during the program play.

Playing Discs In Various Ways
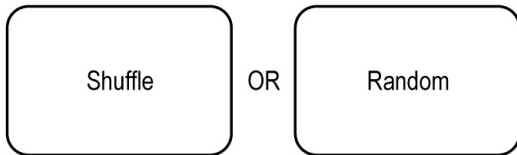
Shuffle Or Random Play

DVD   CD

The Shuffle or Random play function is used to play multi-media chapters or tracks in a random order. To play multi-media in random order refer to the steps below.

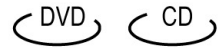1. Press PLAY MODE to select shuffle or random play mode while a disc is playing.

PLAY MODE

The screen shows:

| Shuffle | OR | Random |

2. press ► (PLAY) to start shuffle or random play. The unit selects a track to play.
3. Remove shuffle or random play.
- When playing a DVD disc, press °⌃ twice.
- When playing a CD disc, press °⌃.

Digest Play

DVD   CD

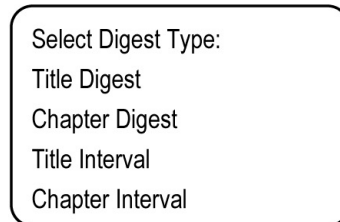This function can be used to look through the content of the track or disc.

PLAYING DVD

1. Press DIGEST while a disc is playing.

DIGEST

The screen shows:

```
Select Digest Type:
Title Digest
Chapter Digest
Title Interval
Chapter Interval
```

Use the ▼ or ▲ buttons to select "TITLE DIGEST" and press PLAY to confirm.
The unit begins to look through the titles, and shows the starting picture of each title on the screen.

1	2	3
4	5	6
Type:Title Select (01-20): --		
Exit Menu NEXT		
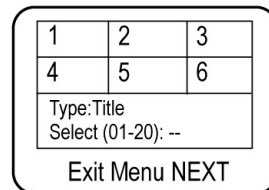
Each page has six pictures, their location may be different.

2. Use the direction buttons to select NEXT on the screen, and press PLAY to go to the next page.

Play Discs In Various Ways

3. To remove the digest feature, use the direction buttons to select EXIT on the screen and press PLAY to confirm.
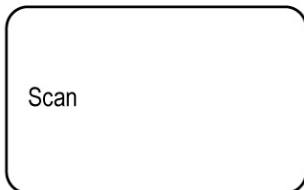
Note: If you have stored bookmarks on a DVD disc, there will be one more digest option: BOOKMARK DIGEST.

PLAYING CD
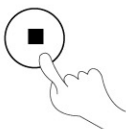
1. Press DIGEST after the unit stops.

DIGEST

The screen shows:

Scan

The unit plays the first ten seconds of each track one after another.

2. Remove digest play.
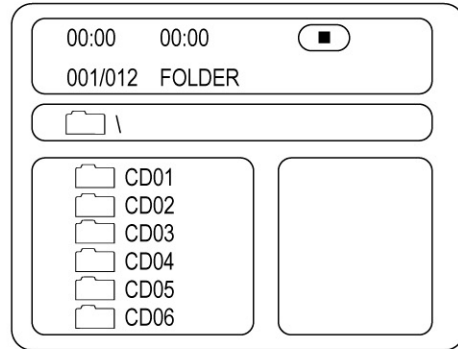   Press STOP , digest play is removed and the unit stops.

Note: A CD disc only has "SCAN" function.

MP3 Operation

°ˆ Select Tracks With Menu

1. Insert a disc, the unit will search disc information. The TV screen displays main menu.

| 00:00 | 00:00 | ■ |
| 001/012 | FOLDER | |

\

CD01
CD02
CD03
CD04
CD05
CD06

2. Press direction key ▼ to select song folder. Press ► (PLAY) to confirm selection. Example: Select CD02, the TV screen displays.

| 00:00 | 00:00 | ■ |
| 001/016 | FOLDER | |

\CD02\

..
wave-11
wave-12
wave-13
wave-14
wave-15
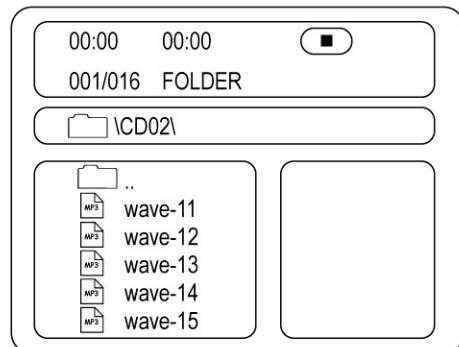
3. Press direction buttons to select a song. Press ► (PLAY) button to start playback.
4. Press ▲ or ▼ button to select other tracks, and press ► (PLAY) button to play.
5. In stop mode, select the folder icon on the left side, then press ► (PLAY) button to return to the main menu.
6. Press ►►| or |◄◄ to play previous or next songs.

°ˆ Other Functions

During playback MP3 discs, the unit features mute, volume control, repeat play and etc. Operations are the same as CD.

Others

Precautions For Disc
HANDLING DISC

⬦ To keep the disc clean, do not touch the
   play sides of the disc

⬦ Do not attach paper or tape to the disc.

⬦ Keep the disc away from direct sunlight or
   heat sources.

⬦ Store the disc in a disc case after playback.

CLEANING DISC

⬦ Before playback, wipe the disc outwards from
   the center with clean cloth.

TroubleShooting
If you experience the following problems while using
the unit, this troubleshooting guide can help you.

No sound
⬦ Check if the unit is connected securely.

⬦ Check if the volume of headphone is set to
   MIN when using headphone.

⬦ Make sure that you are correctly following your
   TV or amplifier's user guide when setting external
   equipment settings.

No image
⬦ Check if the unit is connected securely.

⬦ Make sure you operate the TV correctly.

⬦ Make sure you set the color system correctly.

Bad sound quality
⬦ Mack sure the audio output mode is set
   correctly.

⬦ Make sure the audio connection between
   the unit and amplifier is right.

If your unit is not loading discs
⬦ There is no disc in the unit.

⬦ Put the disc on the disc tray properly with
   the label side up.

⬦ Clean the disc.

⬦ Moisture has condensed in the unit.
   Remove the disc and leave the unit on for
   about one hour.

Remote control does not work
⬦ Remove barriers between the remote control
   and the unit.

⬦ Point the remote control at the remote control
   sensor of the unit.

⬦ Replace the batteries with new ones.

Image rolls and no color
The color system of the unit doesn't match with that of
TV. Please select the correct TV TYPE until TV shows
normal color.

Others

Technical Specifications

Laser		wavelength 650nm
Video system		NTSC
Frequency response		20Hz°´20KHz °¿1dB
Signal/noise ratio		°›95dB
Audio distortion + noise		°‹-80(1KHz)
Channel separation		°›85dB
Dynamic range		°›85dB
Output	Audio out (analog audio)	output level: 2V°¿10% Load impedance: 10kΩ
	Audio out (digital audio)	output level: 1.6Vp - p
	Video out	output level: 1Vp - p°¿20% Load impedance: 75Ω, imbalane, negative polarity
Power supply		DC 9V 2A
Allowable motion temperature		5°´35°Ê
Power Consumption		°‹20W
Dimensions		140°ï145°ï30mm
Weight		Approx. 580g

This manual is only for your reference, any change to the design and specifications will not be advised.

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.

Others

The rechargeable battery pack is suitable when adapting the DVD player for portable use and when it is convenient for you to enjoy the unique functions of the DVD player out of doors. To recharge the battery:

1. Remove the battery pack from the DVD player (if being used) and attach it to the supplied battery charger. Then connect the battery pack output plug to the charger output jack. Connect the charger INPUT jack to the AC adapter output (DC 9V at 2.2A).

Notes: 1) The input voltage of the battery charger is:DC9V, 2.2A;
　　　　2) Generally, the battery pack can be charged and discharged about 500 times:
　　　　3) The marking voltage of the battery pack is 7.4V, the capacity is 2200mAh. A special IC protection logic is included to prevent deformation caused by over-charging and over-discharging.

2. It takes about 6 hours to fully charge the battey pack; the red charging LED indicator goes out and charging is complete. Unplug the AC power supply cord from the AC adapter; then unplug the battery pack from the battery charger and attach it at the corresponding position at the back of the DVD player. Insert the plug of the battey pack to the DC IN jack of the DVD player.
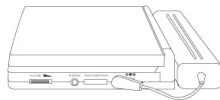
Notes: 1) A fully-charged battery pack will discharge automatically in a month, if it is remains unused.
　　　　2) If the battery pack is not used for a long period of time, discharge it and store it in a place that is cool, dry and dark.
　　　　3) When the battery pack is empty, LOW BATTERY will flash on the DVD player TFT. In this case, stop using the unit, and recharge the battery.

3. Generally, after the battery pack is recharged,its continuously working time is as follows. For example:

Model	Operating status	Continuous playing time
MM-5000	Play DVD, TFT on	about 2 hours
	Play DVD, TFT off	about 4 hours

4. Conditions and attention:

While using the battery pack, the environmental temperature should be 5°C (41°F) to 35°C (95°F).

A newly purchased battery pack can only be used after being charged.

To undertake the longest service life of the battery pack, charge it under or close to indoor-temperature.

Never dispose of in fire, water or heat up.

Do not use in high temperature or near heat sources.

Never connect the positive and negative poles with metal.

Do not open the battery, refer servicing only to qualified service personnel.