SPEAKER

HS70/HS70D

COLOR TFT LCD 7.0" TOUCH Monitor
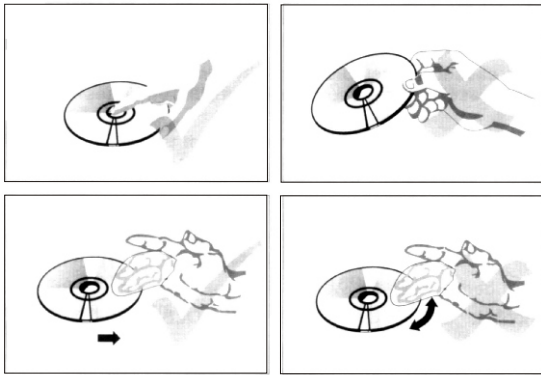
TABLE OF CONTENTS

How to deal with disc

How to hold disc
Do not touch the unlabeled side of the disc..

When there are stains on face of disc
Wipe gently with a wet cloth and then with dry one.
When a disc is brought in from a cold environment to a hot one, condensation can form on the face of
the disc. Wipe down with a soft, smooth, dry cloth before using.

Attention:
Do not write on the unlabeled side of the disc.
Do not use chemical solutions to clean the DVD disc.
Do not stick labels or glue-based notes on the disc.
Do not use disks with glue residue or damaged labels.
Do not use anti-scratching materials or covers, that were not designed
for this machine.
Do not put or store disk in the following environments:
Directly under the sunlight, in moist or dusty environments or beside heating elements.

Disc loading

● Load one disc with the data side facing upwards and make sure you do not touch the
data side with your fingers.
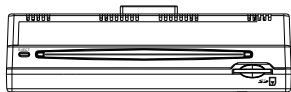
Once the disc is loaded, the unit will automatically start reading the disk and it will take
a few seconds to download the disc initial data, thereafter the disc type will be displayed
in the left upper corner of the LCD screen and the unit will start playing the disc.

Dear Customer:
We thank you for purchasing the Multimedia . We wish you many pleasant hours of
watching DVD's or listening to your favorite music. Personal Safety has been taken in
consideration in the design and manufacturing this product, however any improper use
or operation may result in an electrical shock, fire and/or any other hazards. To prevent
these hazards it is strongly recommended to read this manual thoroughly and adhere to
the following precautions:

Important Safety Instructions

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT
REMOVE COVER (OR BACK). NO USER-SERVICEABLE
PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE
PERSONNEL.

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 a 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 maintena-
nce (servicing) instructions in the
literature accompanying the applia-
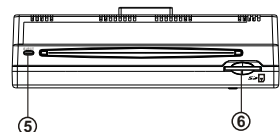nce.

CAUTION:

The unit employs a laser system.

To ensure proper use of this product.
Please read this owner's manual
carefully and retain for future reference.
Should the require maintenance, contact
an authorized service location-see ser-
vice procedure.

Use of controls, adjustments or the
performance of procedures other than
those specified herein may result in
hazardous radiation exposure.

To prevent direct exposure to laser beam,
do not try to open the enclosure. Visible
laser radiation may be present when the
enclosure is opened. Do not stare into
beam.
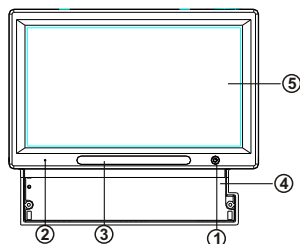
WARNING:

FCC regulations state that any change or modification to the equipment, not expressly
approved by maker or its authorized parties, could void user's authority to operate
this equipment.

NOTE
- Please dispose empty batteries according the regulations in your country
- All On Screen Displays (OSD) and Pictures will be based on the English version.
- Design and Specifications may vary in the manual from the actual product in use.

HS70D

HS70

Some DVD discs may have special requirements for playing, with which this system may not be compatible. Please refer to the specifications on the individual disc.

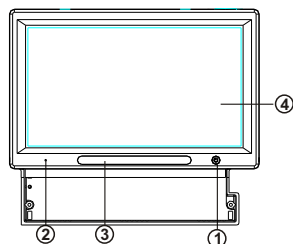| DISC TYPE	Content	Size	Total Play time
DVD	AUDIO/ VIDEO	12CM	About 4.7 GB - 2hrs. (Single side & single layer)
			About 8.5 GB - 4hrs. (Single side & double layer)
			About 9.4 GB - 4hrs. (Double side & Single layer)
			About 17GB - 8hrs. (Double side & double layer)
CD-DA	AUDIO	12CM	About 700MB - 74 minutes
MP3	MP3 AUDIO	12CM	About 700MB - 300 minutes

(1) Power
(2) Indicator light
when the machine have electric,
it as red light,playing it turn off
(3) (8)Infra-Red Audio transmitter:
   2.3MHz/2.8MHz &3.2MHz/3.8MHz
(4) LCD screen

Discs types

The Multimedia   Player can play the following types of discs: DVD / CD / CD-R/ CD-RW / DVD-R / DVD-RW / DVD+R / DVD+RW. Discs other than listed above cannot be played. Please do NOT play discs smaller than 12CM or of odd shapes, only play sound 12CM discs.

The Multimedia Player uses the NTSC/PAL color systems. It cannot play discs recorded with other systems, such as SECAM.

Region code

The region code for this player is 0 which indicate any region.

Copyright

According to the related laws, DVD discs, without proper authorization, are not allowed to be copied, broadcasted, cable broadcasted, or played publicly with the Multimedia Player.

The Multimedia Player incorporates copyright protection technology that is protected by method of claims of certain U.S. patents and other intellectual Property Rights owned by their rights owners. Reverse engineering or disassembly is prohibited.

(1) Power
(2) Indicator light
when the machine have electric,
it as red light,playing it turn off
(3) (8)Infra-Red Audio transmitter:
   2.3MHz/2.8MHz &3.2MHz/3.8MHz
(4) DVD
(5) LCD screen
(6)EJECT
(7)SD Card

Warning

CAUTION

1. The driver must not be able to view operational monitor while driving the vehicle . This is illegal in most states. CHECK with your local law enforcement officials for details .

2. Always check polarity when connecting wire to avoid damage to the unit and /or vehicle.

3. Do not open the housing of the monitor ,Servicing must be done at our factory by authorized technicians to maintain the warranty.

Specifications

System	NTSC/PAL Auto Switch
Power Input/Consumption	DC(10.8~16V)±10% ,<700mA
Video Input	Composite Video Signal 1Vp-p 75Ohm
Operating Temperature	-30℃~+85℃
Storage Temperature	-40℃~+65℃
Screen Size(Diagonal)	7.0″
Display Method	TFT Active Matrix System
Resolution(Dot)	1440x234
Back Light	CCFL
Viewing Area	154.08(W)x86.58(H)mm
Viewing Angle	Left ,Right:65°, Top:50°,Down:65°
Monitor Overall Dimension	182(W)x123(H)x23(D)mm
Monitor Weight	<1kg
The Specifications are subject to change without prior notice	

CONNECT CABLE

DVD

Television Set

AV box

Stereo amplifier
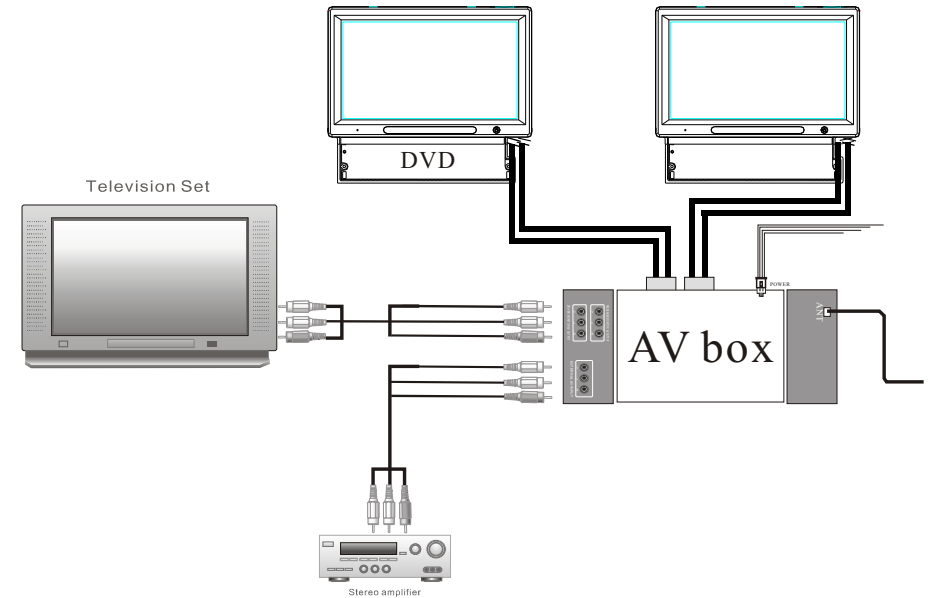
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try 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 receiver.

-- Connect the equipment into 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

The IR Remote Control

Point the remote control no more than about 3~4 meters (approx. 21 feet) from the remote control sensor on the front of the player and keep with in a $\pm 30°$ angle.
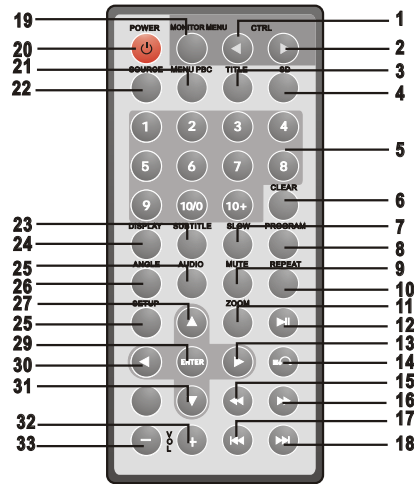
(1) Adjust Decrease	**(13) Right Arrow ▶**	**(25) Audio**
(2) Adjust Increase	**(14) Stop&Return**	**(26) ANGLE**
(3) Title	**(15) Fast Reverse◀◀**	**(27) Up Arrow▲**
(4) SD	**(16) Fast Forward▶▶**	**(28) Setup**
(5) Number buttons	**(17) Previous◀◀**	**(29) Enter**
(6) Clear	**(18) Next▶▶**	**(30) Left Arrow◀**
(7) Slow	**(19) Monitor Menu**	**(31) Down Arrow▼**
(8) Program	**(20) Power**	**(32) Volume-**
(9) Mute	**(21) Menu/PBC**	**(33) Volume+**
(10) Repeat	**(22) Source**	
(11) Zoom	**(23)Subtitle**	
(12) play/pause▶‖	**(24)Display**	

PackageContents

Check for the following accessories:
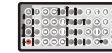
REMOTE CONTROL (1)

OWNERS MANUAL (1)

AUDIO/VIDEO CABLE (1)

CONNECT CABLE (2)

AV BOX(1)

1) SINGLE   (All the songs / videos will be played only once)
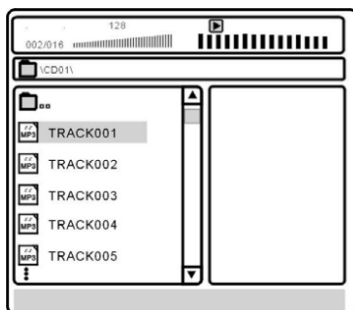2) REPEAT ONE   (The current playing song / video will be repeated)
3) REPEAT FOLDER   (Only the songs / videos of the current folder will be repeated)
4) FOLDER   (Only all the songs / videos of this folder will be played once)
5) SHUFFLE / RANDOM (The songs / videos will be played in random order)

When the disc is playing, press **REPEAT** to select your repeat mode, the TV screen
will show:

Other functions

Functions such as MUTE, VOLUME, PAUSE, PREVIOUS, NEXT, etc. are also available
for MP3 / MPEG4 recorded discs. These operations are the same as playing an Audio
CD.

TOUCH MENU

After you connect well the power wire, press the POWER button on the screen or
press any are of the panel to power on the screen .When you touch any area of
the panel, the screen will display as below:
When you press MONITOR In1 on the panel, the AV source will shift to Av1
When you press MONITOR In2 on the panel, the AV source will shift to Av2

HS70D   HS70

When you select TFT MENU on the panel, the screen will display as
below and you can adjust the parameters at your will
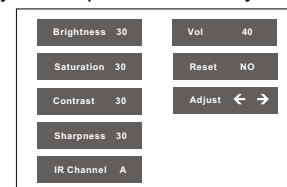
When you press AVSRC on the panel, the screen will display as
below and you can adjust two monitor's parameters at your will
When use HS70D,press AV SRC will switch AV IN,press it again will swith DVD

HS70D
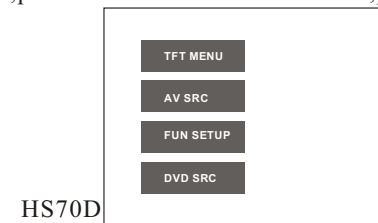
When you press FUN SETUP on the panel, the screen will display as
below and you can adjust two monitor's parameters at your will
HS70D   HS70

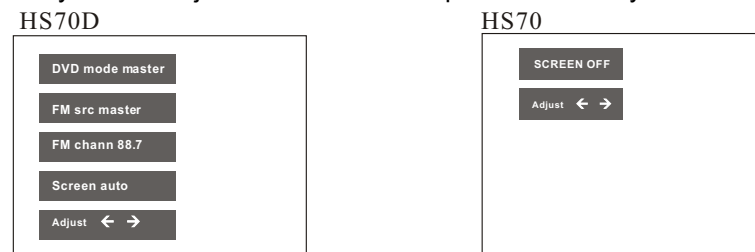When you press DVD SRC on the panel, the screen will display as below and you can adjust the parameters at your will.
Attention:(in DVD state, this item function use to HS70D,HS70 no use)

↓ ↑	TITLE	MENU	SETUP	⟲	NUM

```
              ↑
          ←  OK  →
              ↓
```

VOL-	VOL+	I<<	>>I	▶II

When you press TFT OFF on the panel, the screen will turn off

Enter the PIN numbers with the number buttons of the remote control and press **PLAY**, enter the new password and press **PLAY** again, confirm your new password and press **PLAY** again.

Important: Do not forget the newly entered password, there is no way to retrieve the (newly) entered password.
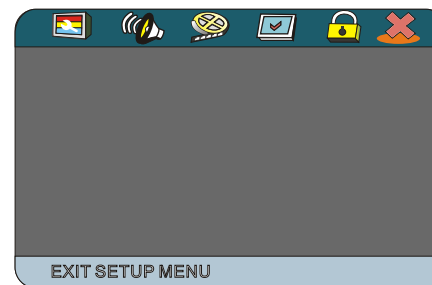
With this selection **X** you exit the system setup and return to normal viewing of the video.

EXIT SETUP MENU

MP3/MPEG4 PLAYBACK

The Multimedia Player is able to play discs (CD-R / CD-RW) recorded with MP3 / MPEG4 audio and video files. When a disc with MP3 or MPEG4 files (including multiple directories) is loaded in the system the following screen is displayed:

```
                    128
002/016
\CD01\
CD01
CD02
CD03
CD04
CD05
CD06
```
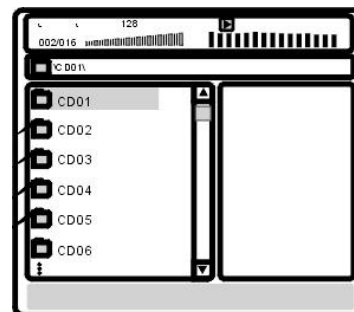
To go to the preferred music or video directory, press the ▲ ▼ arrows to scroll to your selection and confirm your choice by pressing the **PLAY** button. To select your preferred song or video title, press the ▲ ▼ arrows to scroll to your selection and confirm your choice by pressing the **PLAY** button. Your selected song or video will now be played.

Play mode
There are four kinds of play modes available when playing MP3 / MPEG4(.AV1) recorded discs:

PREFERENCE PAGE

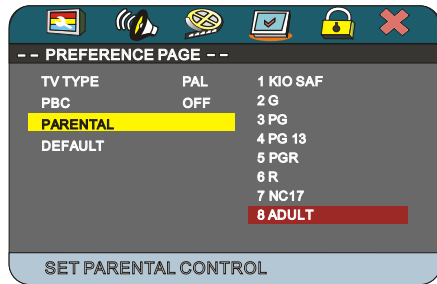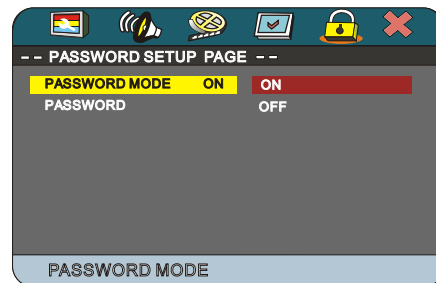|			
TV TYPE	PAL	1 KIO SAF	
PBC	OFF	2 G	
PARENTAL		3 PG	
DEFAULT		4 PG 13	
		5 PGR	
		6 R	
		7 NC17	
		8 ADULT	

SET PARENTAL CONTROL

Set age control grade:

For DVD discs with a rating system progr -ammed (for example: the North American CARA) parents can prohibit watching con -tent that might be inadvisable for children. Press the ▶ **RIGHT** arrow to enter the submenu. If you want to change the age control grade press either the▲ **UP** or▼ **DOWN** arrow to scroll to the available sel -ections. **Selection 1** is Kid safe, **selection 2** is some guidance advisable, **selection 3** is PG (Parental guidance suggested, some material may not be suitable for children), **selection 4** is PG13 (Parents strongly cau -tioned, some material may be inappropr -iate for children under 13), **selection 5** is PG-R (Restricted, under 17 requires acco -mpanying parent or adult guardian), **sele -ction 6** is Restricted viewing, **selection 7** is NC-17 (No one 17 and under admitted), **selection 8** is for Adult Entertainment or X rated movies and NO PARENTAL is for General Audiences (All Ages).
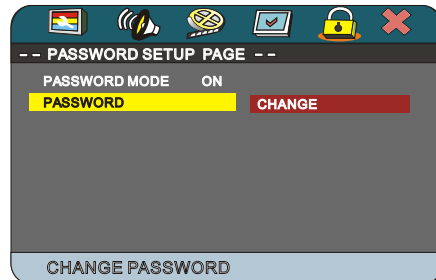
Hereafter a screen will indicate to enter a password, if the ex-factory password has never been modified, you can use **[**123456**]** by pressing the according number buttons on the remote control. Select "YES" or "NO" with either the left or the right arrow key and press **PLAY** to confirm.
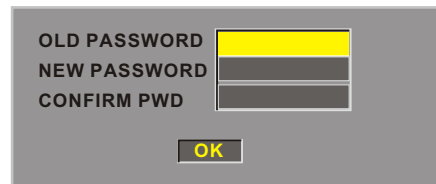
PREFERENCE PAGE

TV TYPE	PAL		
PBC	OFF		
PARENTAL			
DEFAULT		**RESET**	

LOAD FACTORY SETTING
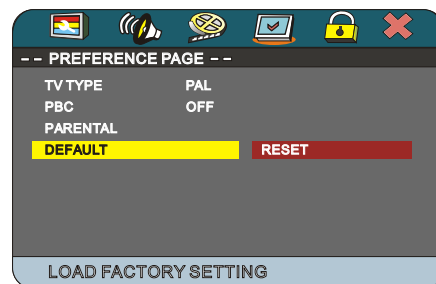
With this option you can select to reset to the factory preset values.

PASSWORD SETUP PAGE

PASSWORD MODE	ON	**ON**	
PASSWORD		OFF	

PASSWORD MODE

With this option you can select to set your password protection **ON** or **OFF.**

PASSWORD SETUP PAGE

PASSWORD MODE	ON		
PASSWORD		**CHANGE**	

CHANGE PASSWORD

Use this menu to change the factory set password **[**123456**]**

OLD PASSWORD	
NEW PASSWORD	
CONFIRM PWD	

OK

When you press SETUP on the panel or on the remote cotrol , the screen will display setup menu.

Current item

GENERAL SETUP PAGE

TV DISPLAY	Wide
ANGLE MARK	ON
OSD LANGUAGE	ENG
CAPTIONS	OFF
SCREEN SAVER	ON
LAST MEMORY	ON

The explanation to the current item.

GOTO GENERAL SETUP PAGE
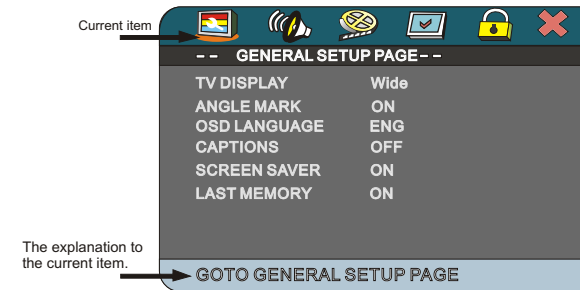
On the Remote Control, press either the ▲ **UP** or ▼ **DOWN** or ◀ **LEFT** or ▶ **RIGHT** arrow buttons to move to the desired menu item and press **PLAY** to select the menu item

GENERAL SETUP PAGE

TV DISPLAY	PS	**4:3 PANSCAN**	
ANGLE MARK	ON	4:3 LETTERBOX	
OSD LANGUAGE	ENG	16:9	
CAPTIONS	OFF		
SCREEN SAVER	ON		
LAST MEMORY	ON		
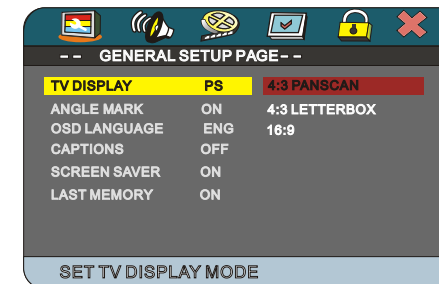
SET TV DISPLAY MODE

Set TV Display mode to the correct ratio:

● Press the ▶**RIGHT** arrow button to enter the sub-menu. If you want to set the screen to "WIDE", press the ▼ **DOWN** arrow twice to move your selection until the "WIDE" item is selected, now press **PLAY.**

● Press **SETUP** to exit these system settings

Note: three screen ratio modes are available, 16:9 WIDE, 4:3LB (Letterbox) and 4:3PS (Pan Scan). Different disc formats will display different images depending this setting and the screen size used.. Hereunder is an example of the different choices and the relation between the disc format and screen ratio. of the different choices and the relation

4:3LB Allow you to see movies in their original aspect ratio. The entire frame of the movie will be displayed. 16:9 recorded movies will occupy a smaller portion of the screen and you will see black margins above and below the picture.
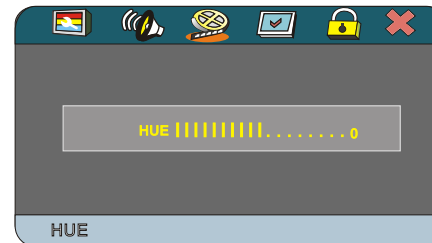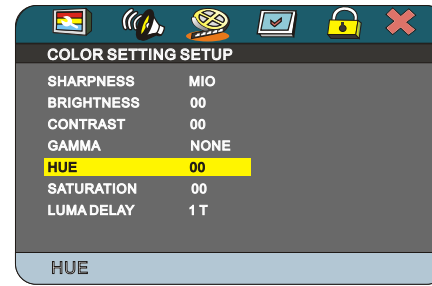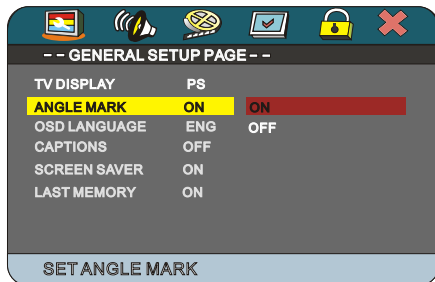
4:3PS The movie will be shown full screen without any black margins, but parts of the image will be cut of from the right and left side.
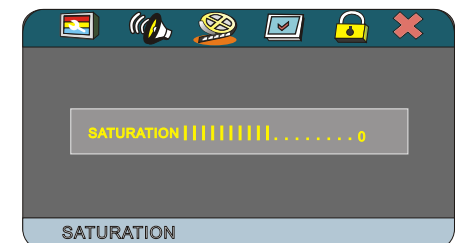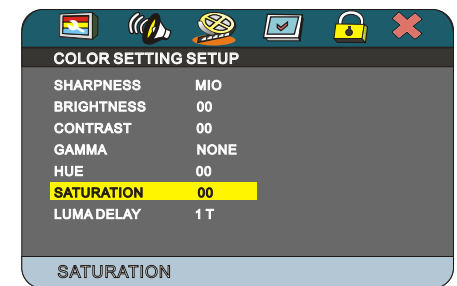
16:9 Allow you to see movies in their original aspect ratio, when connected to a wide screen TV. The entire frame of the movie will be displayed.
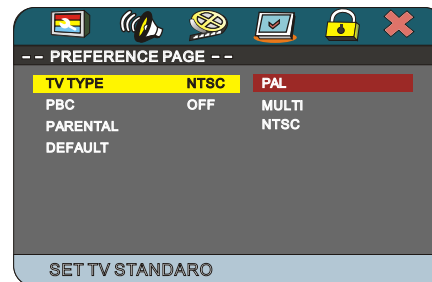
16:9 Note: depending the DVD screen format (e.g. 2.35 :1), the wide screen setting may still have black margins above and below the picture.
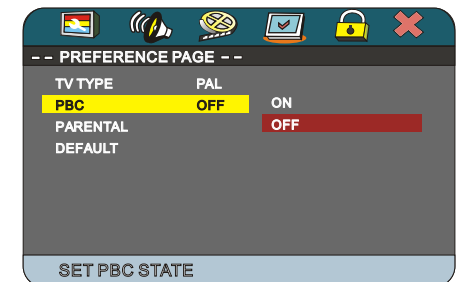
– – GENERAL SETUP PAGE – –

TV DISPLAY	PS	
ANGLE MARK	ON	ON
OSD LANGUAGE	ENG	OFF
CAPTIONS	OFF	
SCREEN SAVER	ON	
LAST MEMORY	ON	

SET ANGLE MARK

– – GENERAL SETUP PAGE – –

TV DISPLAY	PS	ENGLISH
ANGLE MARK	ON	GERMAN
OSD LANGUAGE	ENG	FRENCH
CAPTIONS	OFF	SPANISH
SCREEN SAVER	ON	ITALIAN
LAST MEMORY	ON	PORTUGUESE
		DUTCH
		DANISH

SET OSD LANGUAGE

COLOR SETTING SETUP

SHARPNESS	MIO
BRIGHTNESS	00
CONTRAST	00
GAMMA	NONE
HUE	00
SATURATION	00
LUMA DELAY	1 T

HUE

HUE | | | | | | | | | | 0

HUE

You can set the Hue (for NTSC) to your liking. Press **PLAY/SAVE** or the ▶ **RIGHT** arrow to enter the Hue control, then press the ▲ **UP** or ▼ **DOWN** arrow to adjust the image. Press the ▶ **LEFT** arrow to go back to the menu.

– – PREFERENCE PAGE – –

TV TYPE	NTSC	PAL
PBC	OFF	MULTI
PARENTAL		NTSC
DEFAULT		

SET TV STANDARO

Select this menu item to set up your preferred video output format. PAL is commonly used in Europe and NTSC is commonly used in the USA and Japan. Select **MULTI** only if your TV supports both formats, the output signal will follow automatically the video format on the DVD disc.

COLOR SETTING SETUP

SHARPNESS	MIO
BRIGHTNESS	00
CONTRAST	00
GAMMA	NONE
HUE	00
SATURATION	00
LUMA DELAY	1 T

SATURATION

SATURATION | | | | | | | | | | 0

SATURATION

You can set the Saturation to your liking. Press **PLAY/SAVE** or the ▶ **RIGHT** arrow to enter the Saturation control, then press the ▲ **UP** or ▼ **DOWN** arrow to adjust the image. Press the ▶ **LEFT** arrow to go back to the menu.

– – PREFERENCE PAGE – –

TV TYPE	PAL	
PBC	OFF	ON
PARENTAL		OFF
DEFAULT		

SET PBC STATE

For VCD and SVCD, this selection turns **ON** or **OFF** the Playback Control (PBC) function. VCD or SVCD media have PBC menu's that contains the track list. The default PBC state is set to **ON**. In **OFF** mode, no tracks can be selected.

COLOR SETTING SETUP

SHARPNESS	MIO
BRIGHTNESS	**00**
CONTRAST	00
GAMMA	NONE
HUE	00
SATURATION	00
LUMA DELAY	1 T

BRIGHTNESS

COLOR SETTING SETUP

SHARPNESS	MIO
BRIGHTNESS	00
CONTRAST	**00**
GAMMA	NONE
HUE	00
SATURATION	00
LUMA DELAY	1 T

CONTRAST

You can set the Brightness to your liking. Press **PLAY** or the ▶ **RIGHT** arrow to enter the brightness control, then press the ▲ **UP** or ▼ **DOWN** arrow to adjust the image. Press the ◀ **LEFT** arrow to go back to the menu.
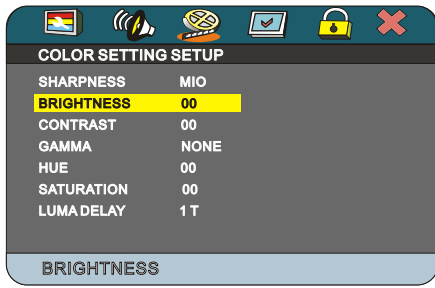
You can set the Contrast to your liking. Press **PLAY** or the ▶ **RIGHT** arrow to enter the brightness control, then press the ▲ **UP** or ▼ **DOWN** arrow to adjust the image. Press the ◀ **LEFT** arrow to go back to the menu.
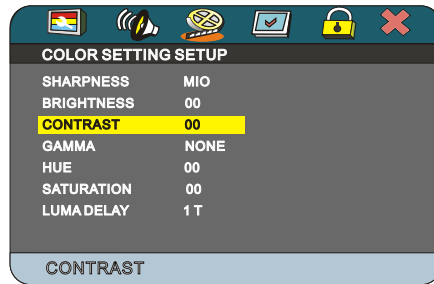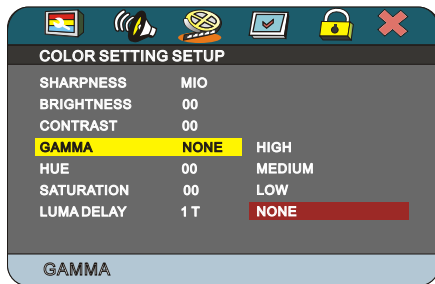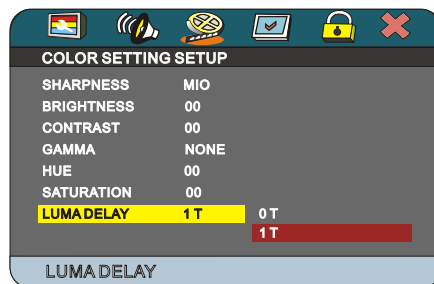
BRIGHTNESS | | | | | | | | | | 0

BRIGHTNESS

CONTRAST | | | | | | | | | | 0

CONTRAST

COLOR SETTING SETUP

SHARPNESS	MIO	
BRIGHTNESS	00	
CONTRAST	00	
GAMMA	**NONE**	HIGH
HUE	00	MEDIUM
SATURATION	00	LOW
LUMA DELAY	1 T	**NONE**

GAMMA

COLOR SETTING SETUP

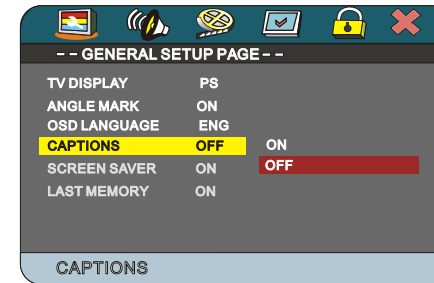|		
SHARPNESS	MIO	
BRIGHTNESS	00	
CONTRAST	00	
GAMMA	NONE	
HUE	00	
SATURATION	00	
LUMA DELAY	**1 T**	0 T
		1 T

LUMA DELAY

Gamma refers to the exponent between video or pixel values and the displayed brightness. You can set the Gamma to these choices and your liking.
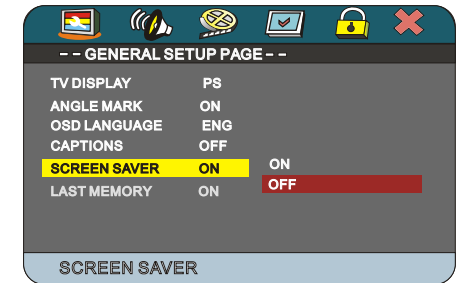
Luma Delay You can adjust the luminance delay by selecting one of these choices to best suit the brightness of your TV.

When playing a DVD disc and you have selected ON, then the screen will show the angle mark. This will give you the possibility to view multi angle DVD's. (whether this functions works, depends on the disc type in use.) When you have selected OFF, no angle mark will be shown on the screen.
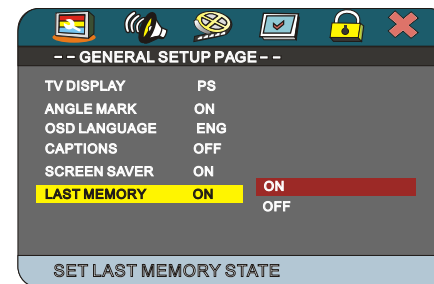
To select the language for your On Screen Display (OSD) use this menu item. There are multiple languages available.
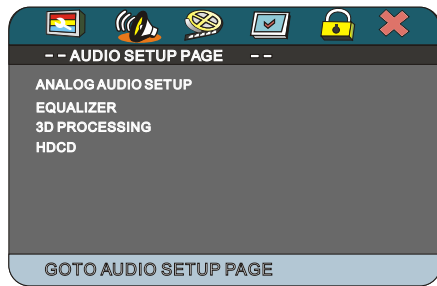
– – GENERAL SETUP PAGE – –

TV DISPLAY	PS	
ANGLE MARK	ON	
OSD LANGUAGE	ENG	
CAPTIONS	**OFF**	ON
SCREEN SAVER	ON	**OFF**
LAST MEMORY	ON	

CAPTIONS

– – GENERAL SETUP PAGE – –

TV DISPLAY	PS	
ANGLE MARK	ON	
OSD LANGUAGE	ENG	
CAPTIONS	OFF	ON
SCREEN SAVER	**ON**	**OFF**
LAST MEMORY	ON	

SCREEN SAVER

ON: To display captions. (Subtitles)
OFF: Captions will not be displayed. (No Subtitles)

When there is no activity with the Player for some time, a screen saver will start to prevent damage to the screen. Select **ON** to activate the screen saver function or select **OFF** to deactivate this function

– – GENERAL SETUP PAGE – –

TV DISPLAY	PS	
ANGLE MARK	ON	
OSD LANGUAGE	ENG	
CAPTIONS	OFF	
SCREEN SAVER	ON	**ON**
LAST MEMORY	**ON**	OFF

SET LAST MEMORY STATE

ON: Each time when you turn off the player, it will memorize the last play time. So if you turn on the player the next time and the same disc is played, it will resume play from the last memory point.
OFF : Disable the last memory function

Page 10 (left side)

- - AUDIO SETUP PAGE - -

ANALOG AUDIO SETUP
EQUALIZER
3D PROCESSING
HDCD

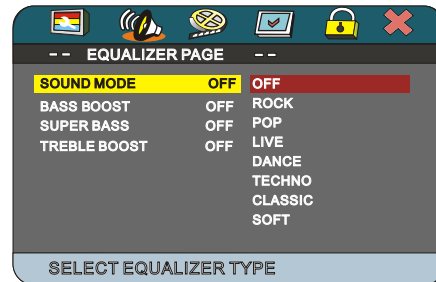GOTO AUDIO SETUP PAGE

Press **PLAY** to enter the Analog Audio setup page. The page hereunder will be shown:

- - ANALOG AUDIO SETUP PAGE - -

DOWNMIX   STR   LT/RT
                                      STEREO
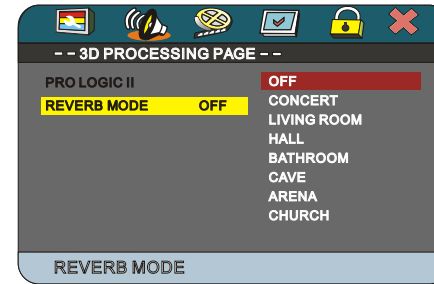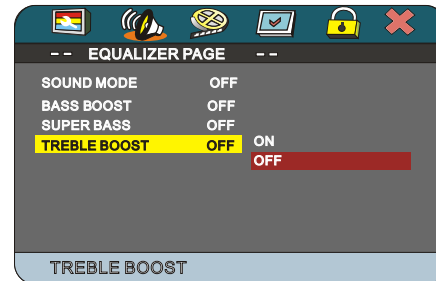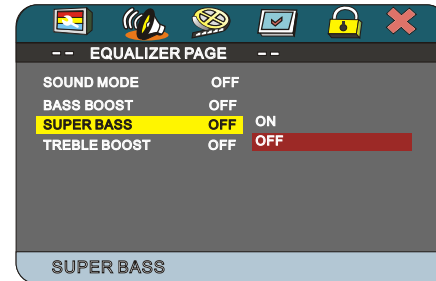
SET DOWNMIX MODE
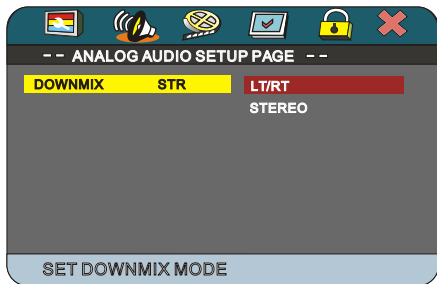
Set sound mix output mode:
- press the ▶**RIGHT** arrow to enter the sub-menu. If you want analog stereo signals, set the sound mode to "STEREO",press the ▼ **DOWN** arrow once to move the selection to "STEREO", than press **PLAY**.

- If you want to have Dolby Pro Logic stereo (the decoded signal will create a 2ch reality simulating effect via the R/L connectors), select "LT/RT", then press **PLAY**.

You can select one of these modes to adjust the Bass and Treble signal to your best liking. ON will switch the selected mode on and OFF will switch it back to normal Audio playback.
Note: Please be advised that some-times the BASS on an Audio CD or DVD is already very low, using the Bass Boost or Super Bass can overload your speakers resulting in poor sound quality.

- - EQUALIZER PAGE - -

SOUND MODE   OFF   OFF
BASS BOOST   OFF   ROCK
SUPER BASS   OFF   POP
TREBLE BOOST   OFF   LIVE
                          DANCE
                          TECHNO
                          CLASSIC
   SOFT

SELECT EQUALIZER TYPE

EQUALIZER Select this menu item to set up your preferred Equalizer mode. Press **PLAY** to enter this selection.

You can select one of these preset Equalizer modes to adjust the audio signal to your best liking.

- - EQUALIZER PAGE - -

SOUND MODE   OFF
BASS BOOST   OFF   ON
SUPER BASS   OFF   OFF
TREBLE BOOST   OFF

BASS BOOST

- - EQUALIZER PAGE - -

SOUND MODE   OFF
BASS BOOST   OFF
SUPER BASS   OFF   ON
TREBLE BOOST   OFF   OFF

SUPER BASS

- - EQUALIZER PAGE - -

SOUND MODE   OFF
BASS BOOST   OFF
SUPER BASS   OFF
TREBLE BOOST   OFF   ON
                          OFF

TREBLE BOOST

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Page 11

- - 3D PROCESSING PAGE - -

PRO LOGIC II   OFF
REVERB MODE   OFF   CONCERT
                         LIVING ROOM
                         HALL
                         BATHROOM
                         CAVE
                         ARENA
   CHURCH

REVERB MODE

Select **3D PROCESSING** to set up your preferred 3D mode. Press **PLAY** to enter this selection and to set up your preferred Audio mode for a better surround effect. Press **PLAY/SAVE** or the **RIGHT** arrow to enter this selection.

- - HDCD SETUP PAGE - -

FILTER   1X   OFF
                         1X
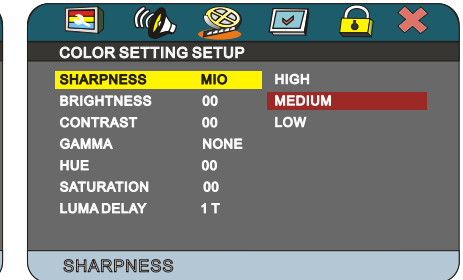   2X
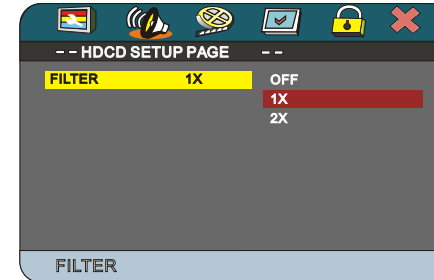
FILTER

Select HDCD to set up your preferred Audio mode for HDCD. Press **PLAY** to enter this selection and to set up your preferred filter mode for HDCD (default is 1X).

1x = 48K Sampling, 2x = 96K Sampling

- - VIDEO SETUP PAGE - -

COLOR SETTING

GOTO VIDEO SETUP PAGE
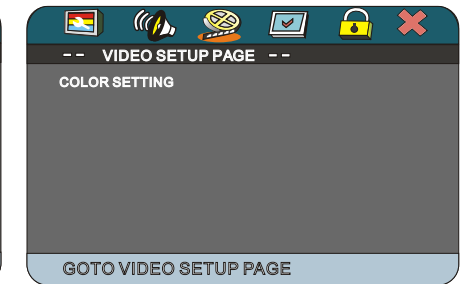
Select this menu item to set up your Video Quality modes. Press **PLAY** to enter this selection.

COLOR SETTING SETUP

SHARPNESS   MIO   HIGH
BRIGHTNESS   00   MEDIUM
CONTRAST   00   LOW
GAMMA   NONE
HUE   00
SATURATION   00
LUMA DELAY   1 T

SHARPNESS

You can set the picture sharpness to these choices. If a video image is light, select the **LOW** option. If a video image is dark, select the **HIGH** option.

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