BUSH

MINI HI-FI AUDIO SYSTEM

BMS330BT

USER MANUAL

CONTENT

IMPORTANT SAFETY INSTRUCTION

1. Read these Instructions - All the safety and operating instructions should be read before this product is operated.
2. Keep these Instructions - The safety and operating instructions should be retained for future reference.
3. Heed all Warnings-All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow all instructions - All operating and use instructions should be followed.
5. Do not use this apparatus near water- The appliance should not be used near water or moisture - for example, in a wet basement or near a swimming pool, and the like.
6. Clean only with a damp cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat Registers, stoves, or other apparatus (including amplifiers)that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding -type plug. A polarized plug has two blades with one wider than the other. A grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manu- facturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

Portable Cart Warning

13.Unplug the apparatus during lightning storms or when unused for long periods of time.
14. Refer all serving to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture.
15. Please keep the unit in a good ventilation environment.
16. These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
17. **WARNING**: The **MAINS PLUG** is used as disconnect device, the disconnect device shall remain readily operable.

18. ▣ This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

19.
CAUTION/PRUDENCE
⚠ RISK OF ELECTRIC SHOCK ⚠
NO NOT OPEN
RISQUE DE CHOC ELECTRIQUE
NE PAS OVURIR
-This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulatd

dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
- Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance in the literature accompanying the appliance.

20. ⚠ Invisible laser radiation when open and interlocks defeated. Avoid exposure to beam of laser.

21. The batteries in remote control shall not be exposed or excessive heat such as sunshine, fire or the like.

22. The apparatus shall not be exposed to dripping or slashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

23. Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

24. WARNING: The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

25. ⌧ Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

ERP II note (Energy Related Products)

This product complies with the European Commission on the Eco-design Directive and its implementing Regulations- Energy related products. 15 minutes (approx.) later without any input (expect in FM mode), the system will automatically enter standby mode. Follow up the instruction manual to assume the function operation.

WARNING

Please read and understand all the warnings provided below, as well as and those makred on the unit. This unit has been designed and manufactured to assure personal safety.
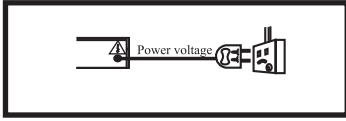
Only use power source that is specified in the User Manual or on the system.

Keep the unit and power plug away from water.

Avoid placing the unit in direct or sunshine or near a heat source.
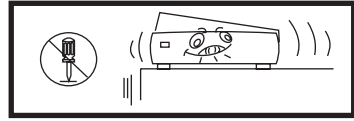
Never open the cover and avoid dropping anything into the unit, such as coins, hairpins and needles for example.
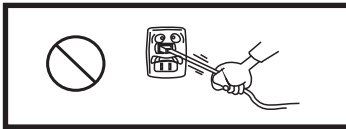
Do not bend or pull the power cable excessively, and do not apply pressure to it by standing on it.
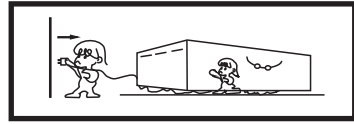
Unplug the unit from the main power outlet when you do not use it for a long time.

ACCESSORIES
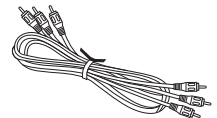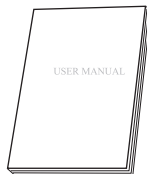
Part 1: Remote Control X1   Part 2: User Manual X1   Part 3: FM Antenna X1   Part 4: Six-headed Audio& Video Lotus Wire X1

PANELS INSTRUCTION

DISPLAY SCREEN

INDICATOR LIGHT

STANDBY

IR SENSOR
EJECT

VOLUME KNOB

PLAY/PAUSE
FUNCTION
SEARCH
FAST REWIND
PREVIOUS

STOP
TONE
DSP
FAST FORWARD
NEXT

LED LIGHT

DISC TRAY

EARPHONE

USB PORT
MIC
R/L AUX IN

Y, Pb/Cb, Pr/Cr
COMPONENT OUTPUT

OPTICAL OUTPUT

POWER SWITCH

VIDEO OUTPUT
FM ANTENNA

L/R SPEAKERS

COAXIAL OUTPUT
L/R AUDIO OUTPUT

POWER SUPPLY
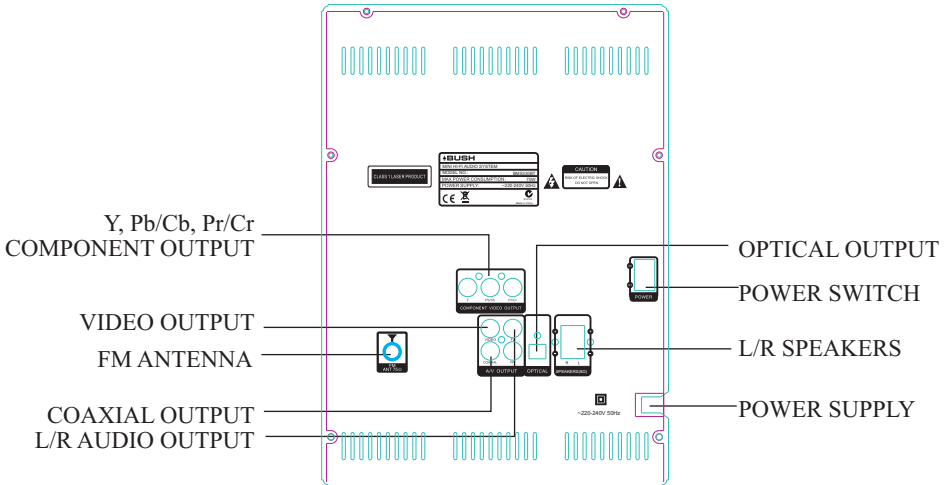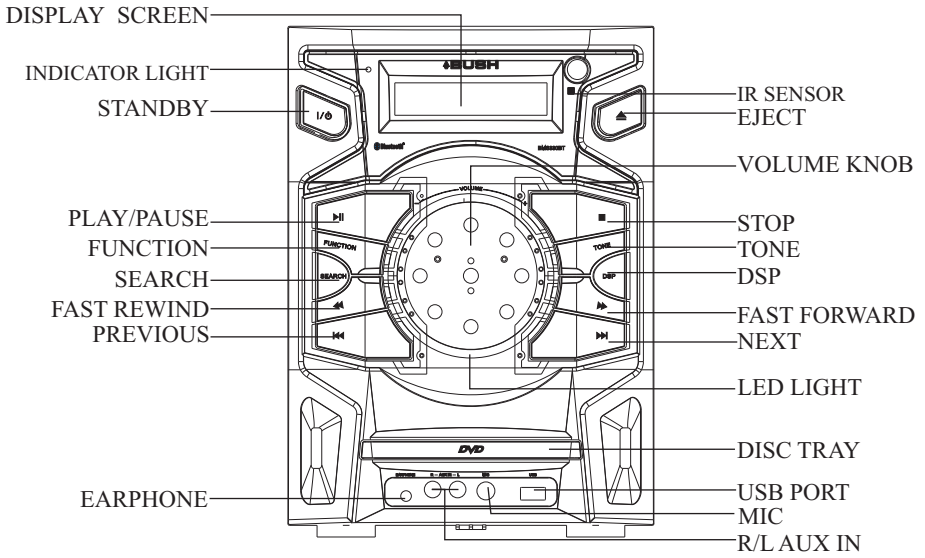
REMOTE CONTROL

NOTE:
1. Turn on the player and have batteries installed in the remote control, put the emitter against the sensor of player for remote control.
2. The distance of remote control should not exceed 7 meters, or else, it will be invalid.
3. If the sensor or remote controller emitter is stuck with foreign matters, it may result in the malfunction in signal reception or not at all.
4. The remote control function may be affected under the strong interference signals, such as power supply and other strong high-frequency signals.

STANDBY — EJECT
DVD — FM
BT — AUX
USB — NUMBER
A-B REPEAT — TIME/FREQUENCY
REPEAT — CD RIPPING
TITLE — DISPLAY
MENU — LANG/R/L
SETUP — SUBTITLE
PLAY/PAUSE/ENTER
DIRECTION
STOP — MUTE
NEXT/CH+ — FAST FORWARD
PREVIOUS/CH- — VOLUME+/-
SAVE — FAST REWIND
SEARCH — MONO/STEREO
EQ — TREBLE+/-
BASS+/-
ZOOM
OK ON/OFF — OK VOLUME+/-

♦BUSH

BMS330BT
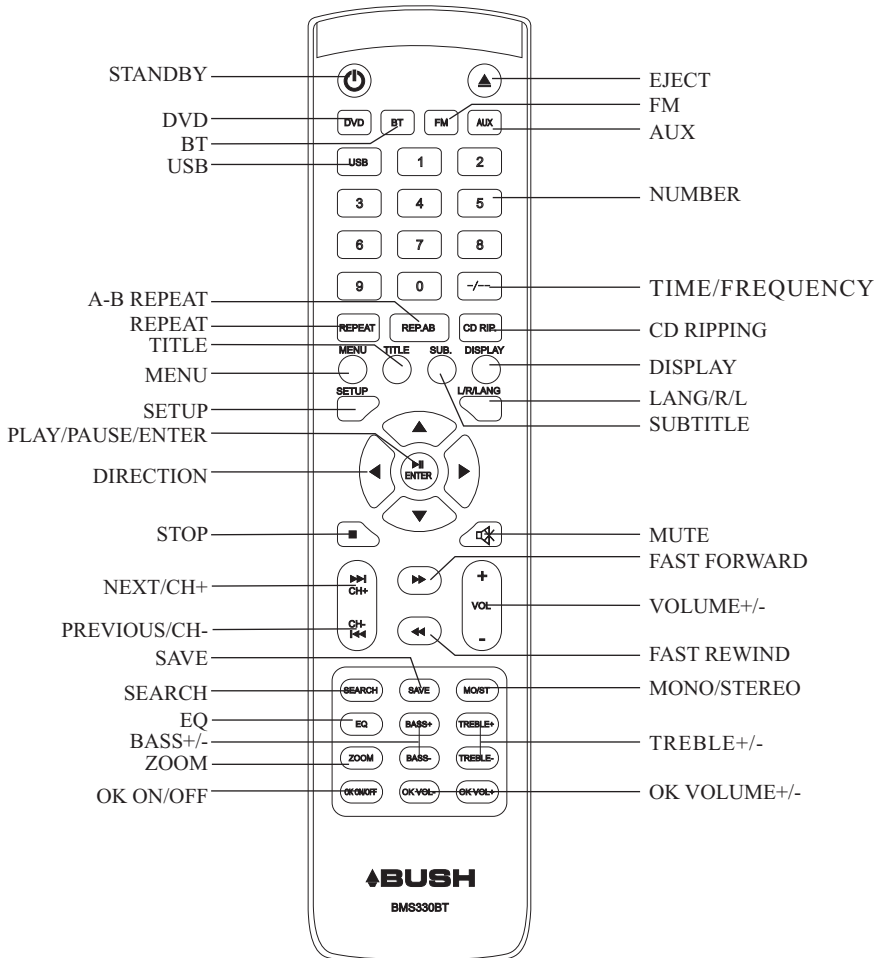
CONNECTION WITH TV

1. If your TV-set has AV terminal, connect this unit to TV-set with A/V cables, and set TV-set to be AV status after confirming the connection is correct. (Figure 1)
2. If your TV-set has chromatism output terminal, please use three connection cables to connect the player and TV-set, this connection offers a more vivid image. (Figure 2)
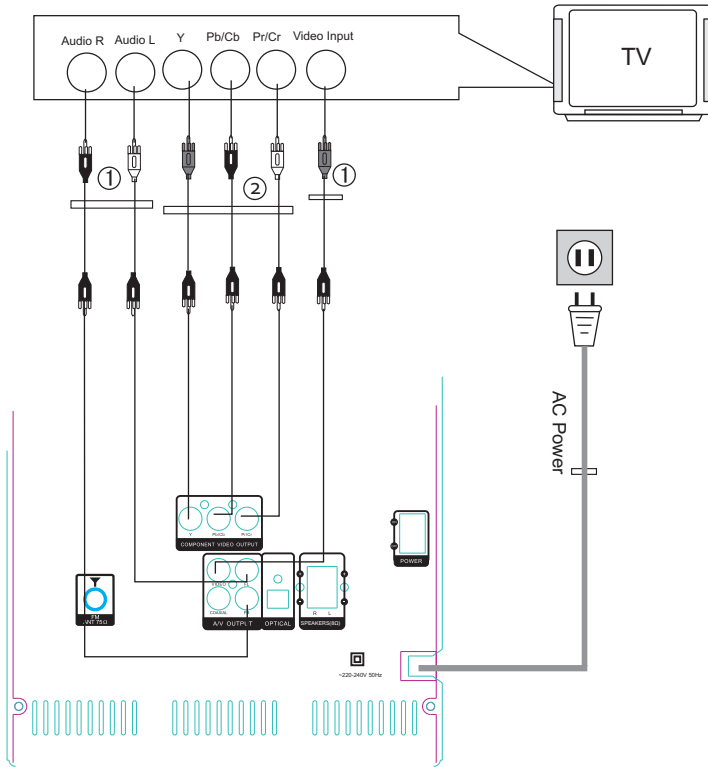
Note:
1. Before connecting the player to the TV-set, turn off and unplug both the units.
2. You may adjust the corresponding system according to your TV system while watching various discs.
3. If there are multiple connections between video player and TV, please select one and unplug others so as not to affect the quality of images and sound.
4. Do not switch on and off or press power switch frequently, switching on and off each time must have an interval of 3 seconds.
5. Do not connect the digital optical or coaxial output jack of this player with the analogue signal input terminal for reception.

CONNECTION WITH AMPLIFIER

Setup of Digital Audio Output

Connect the optical and coaxial output jack to the amplifier.

(Select one of the two digital connecting wires)

Video connecting cable

Coaxial output

Optical output

Dolby Amplifier

TV

Connected to video input

Left channel

Right channel
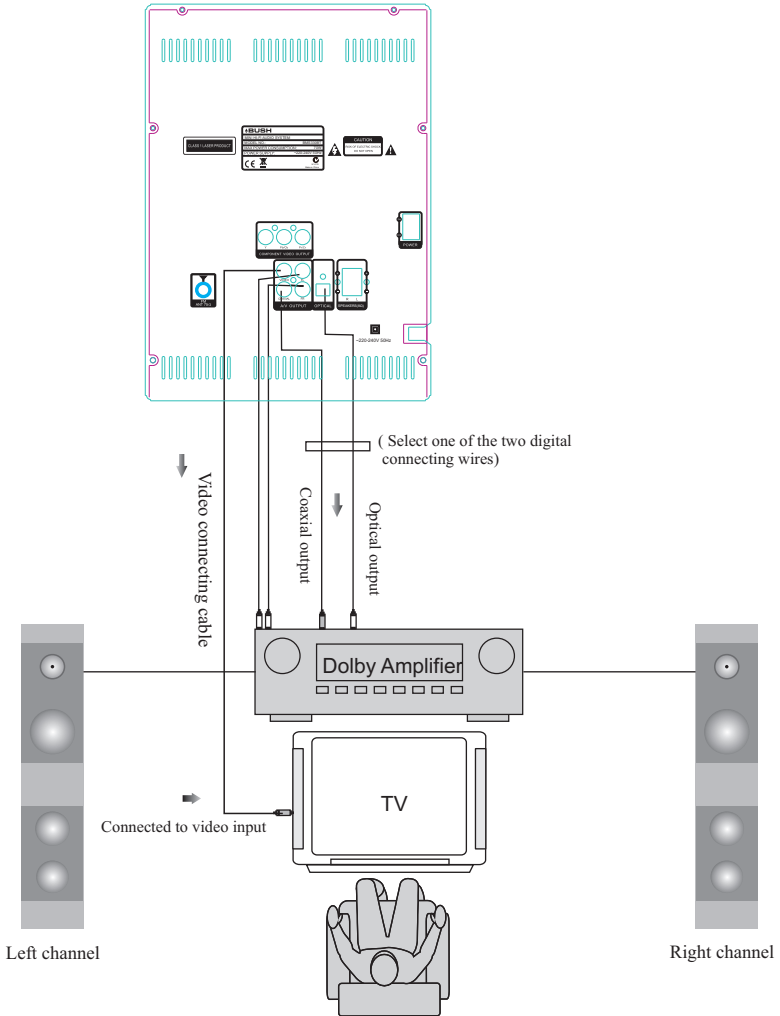
SYSTEM CONNECTION

Please refer to the following figure to connect your acoustic equipment.
To keep all the connection correctly and firmly.
Power supply should be connected finally.

TV

② ①

FM Antenna

Right Speaker   Left Speaker

PC
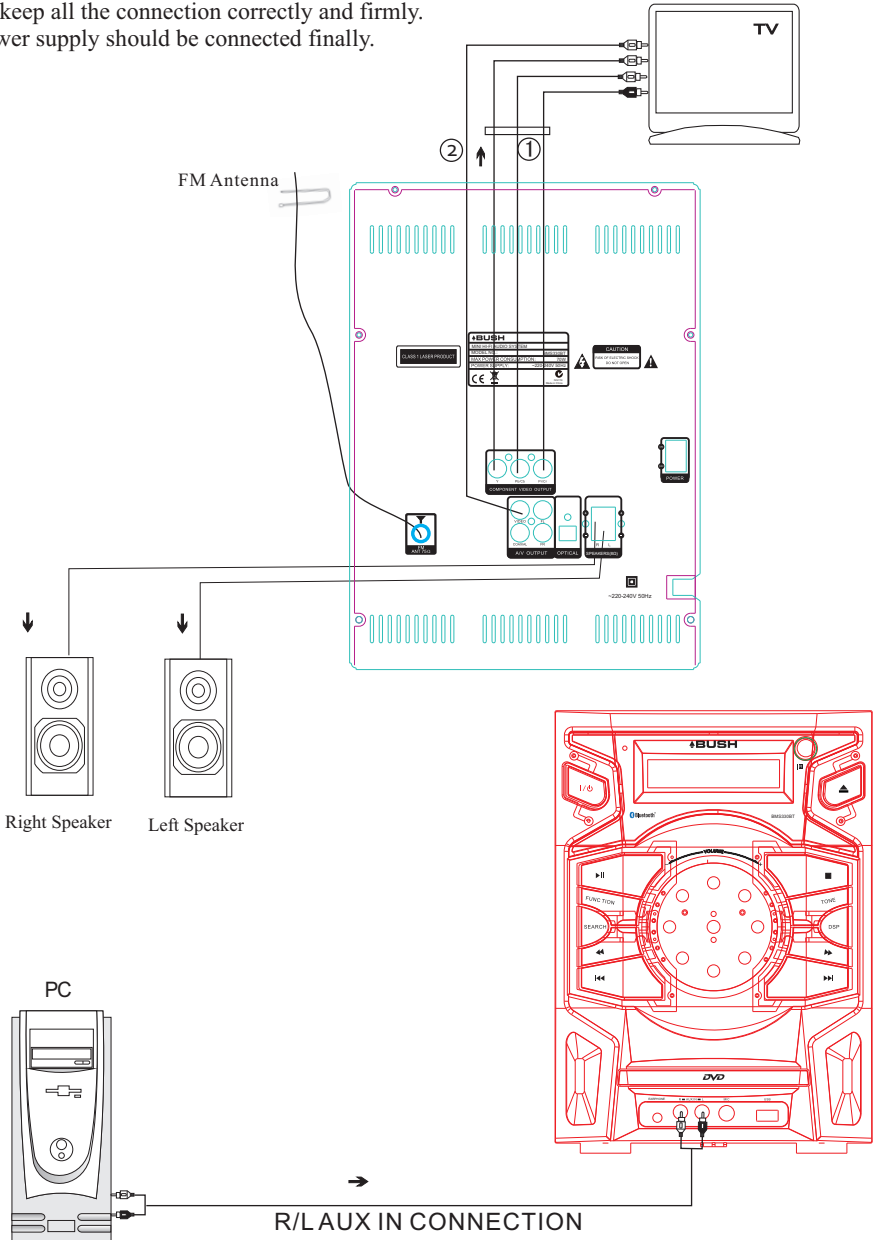
R/L AUX IN CONNECTION

PREPARATION

1). Before turning on, check whether all the connection are correct and reliable. Insert the power plug into the corresponding power socket.
2). Press STANDBY button on the front panel to turn on the player.
3). Press EJECT button on the remote control or panel to carry the disc tray outside, put the disc into the tray, press EJECT button again, this unit starts reading and playing.

STANDBY

Press the Standby button on the remote control (or front panel)can switch on the unit or to the standby mode.

STOP

In play status, press the STOP button once, the player will stop the playing; the stop point will be memorized. Then press PLAY/PAUSE button, the disc will be played from the previous stop point. If you press the Stop button twice, the stop point will not be memorized; press the PLAY/PAUSE button, the disc will be played from the beginning.

PLAY/AUSE

In play status, press PLAY/PAUSE button on remote control, the player will pause, press again to resume playback.

FAST FORWARD & FAST BACKWARD

In play status, press ◀◀ button or ▶▶, there will be different speeds of fast forward or fast rewind at the speed X2, X4, X8, X16, X32.

PREVIOUS & NEXT

In play status, press ◀◀ button, the song/item will skip to the previous one for playback, press ▶▶ button, the song/item will skip to the next one.

MUTE

In play status, if MUTE button is pressed, there will be no audio output, the sound is eliminated, but the image will still be played normally. Then press this button again or press VOL. +/- button to exit the mute status, the sound resumes to be its normal status.

VOLUME ADJUSTMENT

You can press the VOL-/+ button to turn up or down the volume of this unit.

NUMBER BUTTONS

Use NUMBER buttons to select tracks, frequency or stations etc. (eg. if you want to play track 12, press the number button "1", then press "2".)

SOUND-FIELD SELECTION

Press the EQ button on the remote control or DSP button on the front panel to select different sound fields: Jazz, Rock, Classic, Pop, Live, Dance and Off.

BASIC OPERATION

MODES SELECTION
1) Correctly connect the outer equipment (e.g. PC) with this unit, then press the AUX (Audio) button on the remote to enter the audio mode.
2) Press the **DVD, USB, FM, BT** buttons on the remote control to switch to corresponding modes.
3) Press the **FUNCTION** button repeatedly on the front panel to select different modes.

CHANNEL/LANGUAGE SELECTION
In playing VCD, DVCD, press L/R/LANG button to select the multiple output modes:
Mono L, Mono R, Mix-mono, Stereo. Press the button once to switch one soundtrack.
In playing DVD, press L/R/LANG button can select multiple languages for playback.
(Only applies to the discs like DVD recorded in multiple languages.)

DIRECTION BUTTONS
Press the direction buttons ◀ ▶ ▲ ▼ to move the cursor to select pictures or menu.

ENTER
Press ENTER button to enable the selected items or start playback.

REPEAT
In play status, press Repeat button to separately select the different contents for repetition.
1). As for DVD, successively press Repeat button, the TV screen will separately display: Chapter, Title, All, Repeat Off.
2). As for CD, VCD, CD-R, Successively press this button, the screen will separately display: Track, All.
3). As for MP3, JPEG, there are options: Single, Repeat one, Repeat folder, Repeat Off.

A-B REPEAT
In play status, press REP.AB button to realize the specific section repeat.
Press this button once at the beginning of the section (i.e A), and press it again at the end of the section (i.e B), this player will automatically return to A and starts to repeat playing the section from A to B. Press the button again to exit.

TONE ADJUSTMENT
In any step of audio source, you can according to your hearing to adjust the volume, bass and treble by pressing TONE button on the front panel.
E.g. Press TONE button to select required item, then use VOLUME KNOB to adjust the effect of Volume, Bass or Treble.
Or, you can press the BASS+/-, TREBLE+/- buttons on remote control to directly adjust the levels.

ZOOM
In play mode, press the Zoom button, the TV screen will be zoomed in 2 times, 3 times, 4 times, 1/2, 1/3, 1/4.

BASIC OPERATION

STATUS DISPLAY
In play status, press DISPLAY button, the TV screen will display the following data:
VCDitems : single elapsed, TR(track remain), total elapsed, DR(directory remain), display off.
CD items: single elapsed, TR(track remain), total elapsed, DR(directory remain).
DVD items : title elapsed, title remain, chapter elapsed, chapter remain, display off.

SUBTITLE SELECTION
When the played DVD disc records multiple subtitles, you can make selection of subtitle language
by pressing SUBTITLE button, they are: off, English, French, German, Spanish, Chinese, Japanese,
Korean, Thai and others.

MENU
Pressing MENU button on the remote controller can open or close PBC status.
Note: 1). The player will go into the root menu when play DVD discs.
        2). Some pirate disc do not support this function.

TITLE
If the played DVD disc contains a directory column, press the TITLE button to take out the items
contained in this disc. Use the direction buttons to move the cursor to select the items you want to
play, or directly use the number button to select.

DVD TITLE MENU SELECTION FUNCTION

DVD disc features high capacity, records more than one movie, background data and songs. It is
hereby given a name of TITLE, while more sections will be given under each TITLE, which are
called Chapters. There are some songs in one chapter. During playing DVD discs, press the TITLE
button, the TITLE menu will appear on the TV screen. (Available for the DVD discs that contain
more than one title menu) You can use the direction buttons to move the cursor to the desired title
menu, press ENTER button to play it. If the title menu is represented by numbers, then press the
number buttons to select directly.

OK ON/OFF
Press the OK ON/OFF button on the remote control to set the microphone on or off.
Please do not point the microphone at the speakers when you set the microphone "on".

OK VOLUME
Press the OK VOL+/- buttons to adjust the Mic Volume.

CD RIPPING
While playing the CD disc, press CD RIP. button, and the prompt of operation will appear on
the TV screen; follow the **CD RIPPING STEPS** to make operations, CD's audio tracks that
you have selected will be ripped into MP3 format and stored in the USB device.
For details, refer to Page 13.
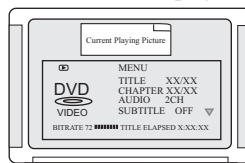
BASIC OPERATION

TIME SELECTION

In play status, press "-/--" button, the TV screen displays the data of playing disc. Such as:

VCD disc display:

DVD disc display:

You can press the direction key to move the cursor to the setting option according to the afore-mentioned screen suggestions, then press ENTER to confirm and use number keys to input the corresponding time numbers, after it is done, DVD player will start to play according to the setting time. When press the DOWN direction button, you can see the next item in the screen.

1) There are 5 items in VCD screen: Track, Disc time, Track time, Repeat, Time DISP (Display);
2) There are 9 items in DVD screen: Title, Chapter, Audio, Subtitle, Angle, TT(Total) time, CH (Chapter) time, Repeat, Time DISP(Display).

Note: The optional time range depends on the volume of discs.

CD disc display:	MP3 disc display:	MPEG4 disc display:
--:--	---/xx	SELECT:---
T:--/xx	--:--	GO TO:-:--:--

While playing CD, MP3 or MPEG4, press Time button to switch between the "Time Selection (current song/chapter)" and "Song/Charpter Selection"; then input the digital you want. The system begins playing from the specified time/song/charpter.

Mp3 DISC PLAYING FUNCTION

1). Press the EJECT button on the panel or remote control to open the deck, put in an MP3 disc, then press EJECT button to close the deck. This unit begins to read it, and the TV screen will display the following figure,

Contents Area
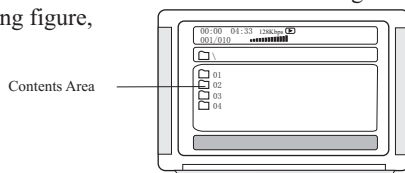
2). Press the direction keys ▲ ▼ to move the cursor to a certain directory, and press ENTER button to enter the directory. Press the direction buttons to enter the subdirectory or the file area, select a song with the cursor, press ENTER button to play the song.

• During playing, press ▶▶ or ◀◀ button to select other songs under the current directory.
• During playing, press the left direction button, the icon will skip to the directory symbol 🗁, press the up/down direction button to select other directories, press Play/Enter button for confirmation.

Note: When play MP3 discs, this unit also has the functions such as mute, pause, previous and next selection. The operations are identical with CD playing.

MPEG4/JPEG PICTURE DISC PLAYING FUNCTION

1). Place the MPEG4/JPEG disc, this unit will begin to read. When the STOP button on the remote control is pressed, the main directory will be displayed on the TV screen.

Root Directory Area

```
00:00  04:33
001/010   ▬▬▬▬▬▬
□ \
□ BMP
□ JPG
```
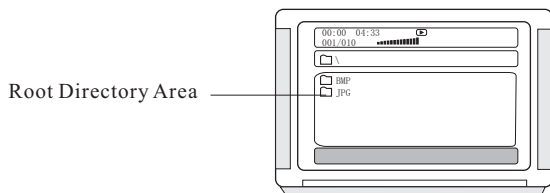
2). Press the direction button ▲ ▼ to move the cursor to the corresponding directory, press ENTER button to enter the next layer, and so on, until the desired picture is found for play.
• During playing, number buttons or ◀◀ ▶▶ button can be used to select pictures.
• JPEG pictures may distort at the edge to some TV sets, this is not the unit s fault.
• This unit can play the digital photo discs with extension name, JPEG and support the pictures that made by Adobe Photoshop.(Press the ZOOM button then press the fast forward or fast rewind button to zoom into the picture. During browsing, press STOP button to main menu. After go into the subdirectory in playing MPEG4 disc, also you can do the operation such as fast rewind, fast forward, pause etc.
• If you want to repeat playing some pictures, pressing the REPEAT button.

AUDIO CD RIPPING （ENCODING IN MP3 FORMAT）

With this player, you can convert your audio CD to Mp3 format and save files on an USB device. During CD music playback, insert an USB device, then press the CD RIP. button to enter the ripping menu. **This function needs Television to make operations.**

OPTIONS		TRACK	
SPEED	NORMAL	track01	04:43
BITRATE	128kbps	track02	05:07
CREATE ID3	Yes	track03	04:23
DEVICE	USB 1	track04	04:57
SUMMARY		track05	05:27
		track06	04:55
SELECTED TRACK	0	track07	05:36
SELECTED TIME	00:00	▼	
START	EXIT	SELECT ALL	SELECT NONE

SPEED: Select NORMAL or FAST recording speed.
BITRATE: Select 96/112/128/192/256/320 kbps.
CREATE ID3: the information of MP3 tracks.
DEVICE: The USB device is the storage medium.
SELECTED TRACK: Total number of selected tracks.
SELECTED TIME: Total time of selected tracks.
SELECT ALL: Select all the files.
SELECT NONE: Unselect all the files.
START: Start ripping.
EXIT: Exit the ripping menu.

Operations:
Press CD RIP. button on the remote control to enter ripping menu; press PLAY/ENTER button to select SPEED and BITRATE, press PLAY/ENTER button to select CREATE ID3 or not; Use the DIRECTION buttons to select tracks and press PLAY/ENTER to confirm. At last, select START to start ripping the files. During the ripping, press PLAY/ENTER to CANCEL. Select EXIT to exit.
Note:
*The higher the bitrate, the better the quality. Please note that the file will be larger and the difference is not that noticeable after 192 kbps.
*Sound remains active only if you select Normal ripping speed.
*The files stored in the USB device can only be deleted by computer operation.

CD RIPPING STEPS

Operation sample: Save Track 1&4 (CD disc) to the USB device.

1. Press CD.RIP button to enter CD RIPPING status. It shows:

OPTIONS		TRACK	
SPEED	NORMAL	track01	04:43
BIT RATE	128kbps	track02	05:07
		track03	04:23
CREATE ID3	Yes	track04	04:57
DEVICE	USB 1	track05	05:27
SUMMARY		track06	04:55
		track07	05:36
SELECTED TRACK	0		
SELECTED TIME	00:00	▼	
START	EXIT	SELECT ALL	SELECT NONE

2. Use the DIRECTION buttons ◀ ▶ ▲ ▼ to choose the contents as below:
   Then press the ENTER button to cycle through the RIPPING SPEED: NORMAL, FAST.
   When you stop at the speed e.g. NORMAL, it means the RIPPING SPEED is NORMAL SPEED;
   Use the Direction ▼ to move to the BIT RATE selection.

OPTIONS		TRACK	
SPEED	NORMAL	track01	04:43
BIT RATE	128kbps	track02	05:07
		track03	04:23
CREATE ID3	Yes	track04	04:57
DEVICE	USB 1	track05	05:27
SUMMARY		track06	04:55
		track07	05:36
SELECTED TRACK	0		
SELECTED TIME	00:00	▼	
START	EXIT	SELECT ALL	SELECT NONE

3. When you finish choosing the SPEED, BIT RATE, CREATE ID3, we now go to choose the track you would like to store in USB device.
   Use the Direction ◀ ▶ ▲ ▼ button to move to TRACK-SELETION status, it shows:

OPTIONS		TRACK	
SPEED	NORMAL	√track01	04:43
BIT RATE	128kbps	track02	05:07
		track03	04:23
CREATE ID3	Yes	track04	04:57
DEVICE	USB 1	track05	05:27
SUMMARY		track06	04:55
		track07	05:36
SELECTED TRACK	01		
SELECTED TIME	04:43	▼	
START	EXIT	SELECT ALL	SELECT NONE

OPTIONS		TRACK	
SPEED	NORMAL	√track01	04:43
BIT RATE	128kbps	track02	05:07
		track03	04:23
CREATE ID3	Yes	√track04	04:57
DEVICE	USB 1	track05	05:27
SUMMARY		track06	04:55
		track07	05:36
SELECTED TRACK	02		
SELECTED TIME	09:00	▼	
START	EXIT	SELECT ALL	SELECT NONE

When you select track 01, press ENTER button to confirm and there will be a mark √ in the front of the track 01.
When you confirm selecting the track 01, you can select other tracks you want to store, every time you confirm choosing the tracks there will be a mark √ in front of the selected tracks.
If you don't want to rip the track you have selected e.g.track 04, just move to track 04 and press ENTER button to cancel selection, and the mark √ would disappear.

4. If you want to rip all the tracks in CD disc, you can choose SELECT ALL, and all the tracks will be stored in the USB device. If you don't want to rip any track finally, you can choose SELECT NONE to clear all the selected tracks.

OPTIONS		TRACK	
SPEED	NORMAL	✓track01	04:43
BIT RATE	128kbps	track02	05:07
		track03	04:23
CREATE ID3	Yes	✓track04	04:57
DEVICE	USB 1	track05	05:27
SUMMARY		track06	04:55
		track07	05:36
SELECTED TRACK	02	▼	
SELECTED TIME	09:00		
START	EXIT	SELECT ALL	SELECT NONE

5. When you have finished all the selections, use the DIRECTION buttons to START, and press ENTER button to enter RIPPING status, and the CD RIPPING from CD to USB begins. The screen displays as below:

RIPPING	SELECTED TRACK	
TRACK PROGRESS	track01	8%
▮▯▯▯▯▯	track04	04:57
TOTAL PROGRESS		
▮▯▯▯▯▯		
CANCEL		
SUMMARY		
NOW RIPPING		
TRACK 01/02		

In the CD disc is RIPPING to USB, you can only cancel the RIPPING process and no other operation is available.

Press ENTER button to stop the ripping, then move to EXIT and press ENTER to exit CD RIPPING.

OPTIONS		TRACK	
SPEED	NORMAL	track01	04:43
BIT RATE	128kbps	track02	05:07
		track03	04:23
CREATE ID3	Yes	track04	04:57
DEVICE	USB 1	track05	05:27
SUMMARY		track06	04:55
		track07	05:36
SELECTED TRACK	02	▼	
SELECTED TIME	09:00		
START	EXIT	SELECT ALL	SELECT NONE

USB OPERATION

It is possible to listen to the music using the USB device interface of this unit.
1. Connect the USB device with this unit:
2. Press the USB button on the remote control to enter the USB mode. The player will play the contents or menu of the USB file if it found the device.
3. When the folder appear on the TV screen; press the direction buttons to select the files, and press ENTER button to confirm.
4. Press MENU to display the File browser, select the file you want and press ENTER button to start playing.
5. Please check the **BASIC OPERATION** for more detailed operations.

Note:
1) USB-Extension cable should have a max. length of 0.5m.
2) Depending on the amount of data and media speed, it may take longer for system to read the contents of media device. In some cases, reading time may be as long as 60 seconds. This is not a malfunction.
3) Even when they are in a supported format, some files may not play or display depending on the content.

BLUETOOTH OPERATION

Pair Operation
1. Press the <u>BT</u> button on the remote control to enter Bluetooth mode.
2. Turn on the bluetooth function on your device (e.g. mobilephone).
3. Place your device in bluetooth search mode. The bluetooth device will search for this unit.
4. Select **BMS330BT** from the list of found devices on the bluetooth device.
5. Select OK or YES to pair the unit with your bluetooth device.
6. If prompted, enter 0000 for passkey (for some devices).
7. When successfully paired with your device, the indicator light flashes steadily.
8. The playback operation is control by your device and the buttons on the remote control.

To disconnect and pair with another device
a. Turn off the bluetooth function on your device to disconnect bluetooth. The unit will enter the bluetooth pairing status automatically.
b. In this paired status, follow the steps 2-5 of **PAIR OPERATION** section to connect to another device.

Phone call while playing music
*When playing music through a phone, and a call is coming, music will stop automatically.
*When call ends, it depends on the setting of your phone whether the current track will resume playback or not.

Note:
1. Some devices, such as an iphone, connect immediately in pairing, some may take long to connect.
2. The unit can only be connected and playing content from one device at a time.
3. To connect to a different paired device, you have to turn off bluetooth or unpair from the currently paired device and manually connect to the other device.

RADIO OPERATION

FM RADIO OPERATION

1. Enter FM Function
   In the turn-on or play status, press the FM button on the remote control to enter FM mode.

2. Select stations
a) Directly input frequency: press the "-/--" button on the remote control, input frequency directly.
   E.g. 1, to select 89.90, press "-/--" button, then press the number buttons 8, 8, 9, 0 and it enters the FM 88.90MHz.
   E.g. 2, to select 105.90, press "-/--" button, then press the number buttons 1, 5, 9, 0, and it will enter the FM 105.90MHz.

b) Press the CH- or CH+ buttons to select the previous or next stations.

c) Press ▶▶ or ◀◀ buttons to tune the frequency up or down on the step of 0.05 MHz.
   Press and hold these buttons, the device will switch to search available stations from up or down automatically. It stops tuning when it found a strong signal station.

3. Auto-Search
Press the SEARCH button to search stations from the low to high frequency automatically.
Meanwhile the searched stations are saved automatically. Press this button again to stop searching.

4. Save Stations
Press the SAVE button to save the frequency of band.
E.g. if you want to save 99.30MHz in 28th, please press "-/--" button, then press 2, 8 button to select the preset station, then press "-/--" button and input 9, 9, 3, 0, at last press SAVE button to save this frequency.

6. Soundtrack Selection
   Press MO/ST button, you may select Stereo on or off in FM status. If the signal is not strong enough, you can not select turn stereo on.

Remark: FM Frequency range : 87.5-108.0MHz

NOTE: You may adjust the best radio effect by adjusting the FM antenna.
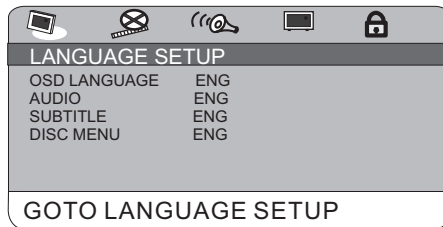
MENU SETUP

DVD Menu Setup
To access the DVD menu :
1. Press the SETUP button .
2. Press the direction buttons to switch between the different setup pages .
3. Press the direction button to move the cursor to the position you want, then press ENTER
   button again to enter the subdirectory.
4. Press the ENTER buttons again to enter the next subdirectory.

Note: In any menu, you can press the up and down direction buttons to move the cursor and press
       ENTER button to enter the selected items.
       Pressing the SETUP button to exit the system setup.

Language Setup Page


```
┌────────────────────────────────────────┐
│  ▭      ⊗     ((◎     ▭       🔒        │
├────────────────────────────────────────┤
│  LANGUAGE SETUP                        │
│  OSD LANGUAGE      ENG                  │
│  AUDIO             ENG                  │
│  SUBTITLE          ENG                  │
│  DISC MENU         ENG                  │
│                                        │
├────────────────────────────────────────┤
│  GOTO LANGUAGE SETUP                   │
└────────────────────────────────────────┘
```

OSD Language
This option is used to select the language of all the screen displays and setup menus.
The OSD language is English.

Audio Language
When playing DVD discs, the player will automatically play the built-in language of the disc. This
unit could play such languages as: English, French, German, Spanish, Chinese, Japanese, Korean,
Thai and others.

Subtitle Language
When playing DVD discs, the player will automatically play the built-in subtitle language of the disc.
This unit could play such built-in languages as: Off, English, French, German, Spanish, Chinese,
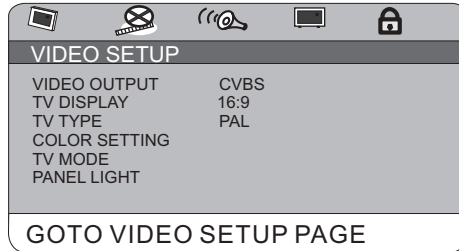Japanese, Korean, Thai and others. You can select any one as the built-in subtitle or close the subtitle.

Disc Menu Language
This unit has the following menu language available: English, French, German, Spanish, Chinese,
Japanese, Korean, Thai and others.

Video Setup Page

```
┌─────────────────────────────────────┐
│  ▢      ⊗     ((◎     ▭      🔒       │
│ VIDEO SETUP                          │
│  VIDEO OUTPUT      CVBS              │
│  TV DISPLAY        16:9              │
│  TV TYPE           PAL               │
│  COLOR SETTING                       │
│  TV MODE                             │
│  PANEL LIGHT                         │
│                                      │
│  GOTO VIDEO SETUP PAGE               │
└─────────────────────────────────────┘
```

Video Output

This option is used to select the video output mode: CVBS, YPbPr.
Note: Make sure that you set the player to the correct video mode.

TV Display (4:3PS, 4:3LB,16:9)
• No matter which format you select, if the screen is 4:3 display, the image is displayed in 4:3.
• The DVD screen format is changeable.
• When the screen displays in 4:3, the display format of DVD is 16:9, the image will be compressed horizontally.

TV Type
This system supports such formats: PAL, AUTO, NTSC.

Color Setting
You can adjust the video output of sharpness, brightness, contrast, gamma, hue and saturation according to your favor.
The adjustable range of sharpness is: High, Medium and Low.
The adjustable range of brightness is:+/-20 (the default is 0).
The adjustable range of contrast is: +/-16 (the default is 0).
The adjustable range of hue and saturation are:+/-9 (default is 0).
The adjustable range of gamma is: High, Medium, Low and None.

TV Mode
This option is used to select the scan mode: progressive and interlaced.
Note: When the Video output is CVBS, this option is unavailable.

Panel Light
This option is used to turn on or off the panel light of front panel.

MENU SETUP

Audio Setup Page

```
┌─────────────────────────────────────────┐
│  ▢      ⊗      ((◉     ▭      🔒          │
├─────────────────────────────────────────┤
│  AUDIO SETUP                             │
│  ANALOG AUDIO SETUP                      │
│  DIGITAL AUDIO                           │
│  KARAOKE SETUP                           │
│  EQUALIZER                               │
│                                          │
│  ┌─────────────────────────────────┐    │
│  │ GOTO AUDIO SETUP PAGE           │    │
│  └─────────────────────────────────┘    │
└─────────────────────────────────────────┘
```

Analog audio Setup
- Surround

     LT/RT: left and right soundtrack audio output

     Stereo: Stereo audio signal output

- Dual Mono
  This option is used to set the mode of audio output: L-Mono, R-Mono, Mix-Mono and Stereo.

- Dolby Dynamic
  This option is chosen when Line output is selected for the compression mode. Linear compression ratio is adjusted to acquire different compression effects. When the option FULL is chosen, the peak-peak value of audio signals will be the minimum; when OFF is chosen, it will be maximum.

Digital Audio
- Digital Output
  When playing the DOLBY or MPEG discs, the coaxial and optical terminal outputs in SPDIF/RAW format. Meanwhile the connected amplifier must be able to decode the DOLBY DIGITAL or MPEG.

  SPDIF/PCM may be selected when the player is connected with a 2CH digital stereo amplifier.
- LPCM Output
  LPCM (linear pulse code modulation) is a non-compressed audio digital technology. There are two output mode: 48KHz, 96KHz.

Karaoke Setup

- Mic Setup
  Set Microphone off or on; adjust the volume of microphone; adjust the Echo level.

- Mic Threshold
  Adjust the threshold of the Microphone.

Equalizer
1) Equalizer Mode
   This option is used to select the different balanced effect, such as OFF, ROCK, POP, LIVE, DANCE, TECHNO, CLASSIC, SOFT.
2) Bass Boost
   It use to adjust the sound effect of Bass boost to ON or OFF.
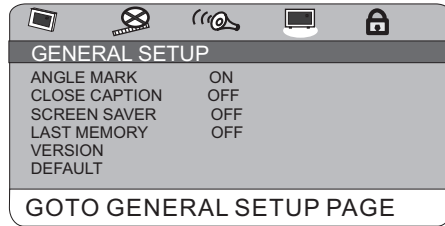3) Super Bass
   ON: set the super bass on, and adjust the super bass effect. OFF: set the super bass off.
4) Treble Boost
   ON: set the treble boost on and adjust the treble effect. OFF: set the super treble boost off.

General Setup Page

```
┌─────────────────────────────────────────┐
│  □      ⊗    (((◌      ▭      🔒        │
├─────────────────────────────────────────┤
│  GENERAL SETUP                          │
│  ANGLE MARK          ON                 │
│  CLOSE CAPTION       OFF                │
│  SCREEN SAVER        OFF                │
│  LAST MEMORY         OFF                │
│  VERSION                                │
│  DEFAULT                                │
├─────────────────────────────────────────┤
│  GOTO GENERAL SETUP PAGE                │
└─────────────────────────────────────────┘
```

Angle Mark
When the disc has multi-angle pictures, setting the Angle Mark displays a multi-angle mark on the screen. This option has two settings:
ON: Display multi-angle mark;   OFF: Multi-angle mark is not displayed

Close Caption
When playing DVD discs, set this option OFF to close caption, choose the ON option to open the caption.

Screen Saver
To set screen saver on or off.

Last Memory
When the option is set to ON, the system remember the played disc content.
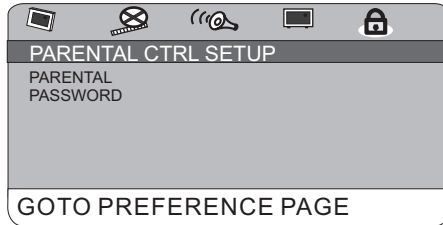The disc content is not remembered when the OFF option is selected.

Version
This option is used to display the model of this system and its factory name.

Default
In the status of Eject or no disc, choose this option to resume to the DVD player`s original setup.

Parental Control Setup Page

```
┌─────────────────────────────────────────┐
│  🖵      ⊗      ((⊘      ▭      🔒      │
├─────────────────────────────────────────┤
│ PARENTAL CTRL SETUP                      │
│ PARENTAL                                 │
│ PASSWORD                                 │
│                                          │
│                                          │
├─────────────────────────────────────────┤
│ GOTO PREFERENCE PAGE                     │
└─────────────────────────────────────────┘
```

(This page is available while in EJECT or NO DISC status.)

Parental Control

This unit has 8 different age ratings for selection. You can move the cursor to select one of them, then press Play/Enter button on the remote control to enter. you are reminded to input the password.

Password

The original password of this unit is" 1389" and you can change it to a new one.

SPECIFICATION

Disc Type	DVD DVCD VCD SVCD MP3 MPEG 4 CD-RW
Video Format	MPEG 2 for DVD, MPEG 1 for VCD
Audio Format	MPEG 1, MPEG 2, PCM, STEREO
Signal Output	Video system: NTSC, PAL, AUTO Video output: 1.0 V p-p Audio: Stereo
Output Joint	Video output, optical fiber output, component video output, coaxial output
Outer Facilities	USB, microphone, earphone
Power Supply	220-240V~50Hz
Max. Power	70W
Frequency Response	± 3 dB (20 Hz--20 KHz)
Audio S/N	80 dB Weight A
Operating Condition	Temperature: 5--35℃ Operating status: Level

Note:
Some MPEG 4 discs are the specification of *. rm/*. ra/ * .ram/* .rmm/ etc in the market that this device can not support. Please select carefully when you purchase. The product specifications may be subject to change and no additional notices will be given.

TROUBLE SHOOTING

For your convenience, we have listed some methods to solve common problems you may encounter when you using the system. If the problem occurs repeatedly, contact the nearest maintenance center.

Problem	Possible cause	Solution
Power supply does not work	Power plug is not fully inserted into the power socket	Fully insert the power plug into the power socket
Remote does not work	The batteries have been used up	Replace them with new ones
	The remote control is not aimed at the remote control sensor	Please aim the remote control correctly; in line with the remote sensor
No image on the TV screen	The system is not connected correctly	Reconnect the system by referring to the illustration
	TV not set in video mode	Set the TV in video mode
	The scanning mode does not match to the TV scanning mode	Reset the scanning mode
Play is unavailable	No disc inserted	Insert a disc
	Disc incorrectly inserted	Reinsert the disc with the picture upward
	Disc is not compatible with this device	Only use disc that are compatible with this device
No sound from speakers	Audio wire is not connected correctly	Connect the audio wire correctly
	Incorrectly connected to amplifier	Connect the amplifier correctly by referring to the illustration
Discontinuous sound or distorted pictures	Disc is not clean	Replace with a clean disc or use a soft cloth to clean the disc
	Disc is scratched	Replace with a new one
	Disc distorted	
Invalid display on the screen	Operation incorrect	Please refer to the user manual

Correct Disposal of this product:
To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.
Disposal of batteries:
The battery shall not be exposed to excessive heat such as sunshine, fire or the like. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type. Disposal of used batteries with regard to the recycling regulations in your area. Do not short circuit batteries or throw them into water, the general rubbish or in a fire. Weak batteries can leak and damage the remote control. Replace them in time!

▲BUSH

For more information and support visit:

www.bushaustralia.com.au