ROXEL

Designed in UK

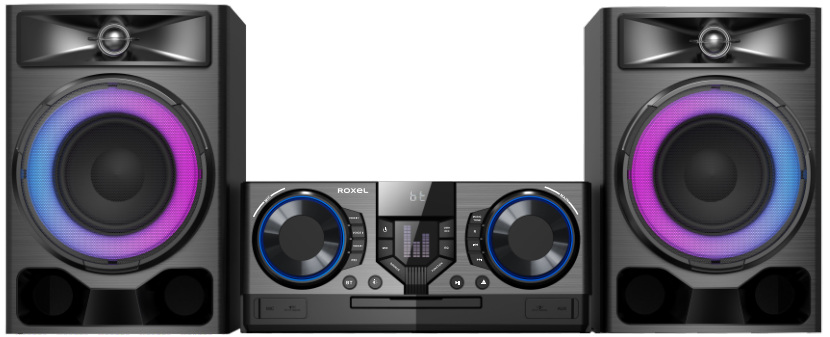
/ROXELUK

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ROXEL



Roxel RCD-680

3-Piece Mini Hi-Fi BT Stereo System
With MP3,USB,FM Radio,Bass Reflex Speaker,
DSP-Tech and Remote Control

Index

Important Notice:
Please retain original packaging for Warranty purposes. Please return with ALL supplied accessories.
Supplier reserves the right to make changes at any time without prior notice.

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Package Contents
Please ensure that you find the accessories included with you RCD-680

(1) ROXEL Head Unit
(2) ROXEL Speakers
(2) AV Cable
(1) FM Antenna
(1) Remote Control
(1) Power Cable

Safety Instructions

Please read the user and maintenance guide carefully and keep it in a safe place for future reference. To avoid the risk of electric shock, do not disassemble the enclosure. Refer all servicing to qualified service personnel.



Only use in altitudes below 5,000m.

Power Supply
Operate only from the power source specified on the unit.
Ventilation
The ventilation holes in the shell of the unit are designed for heat dissipation to prevent the unit from overheating. The holes should not be blocked or covered and do not place the unit on a bed or sofa.
Heat Sources
Do not place the unit near heat sources such as a boiler, electric furnace etc. Avoid direct sunlight.
Water and Moisture
Never use the unit in areas like the bathroom, kitchen or any area where it may be exposed to water.
Please do not place a vessel containing liquid on the unit.
Foreign Matters
Please do not insert foreign matters like metal articles etc. into the unit.
Cleaning
Please unplug the power plug before cleaning. Do not use a solution with corrosive substances, volatile solution or spray cleaning agents to clean the unit. Use a soft and damp cloth to clean .
Power Cable
When plugging or unplugging the power cable, please hold the plug tightly, and do not pull the cable. If the unit is not used for a long time or in use during a thunderstorm , please immediately unplug it from the socket.
Disc Door
When the disc door closes, keep fingers away from the door in order to avoid injury or damage to the unit.
Loading of Weight
To avoid damage, do not place heavy articles on the unit or step on it.
Connection with Other Equipment
When connecting other equipment, ensure that the power plug of each unit is unplugged. Otherwise, there may be risk of damage to equipment and/or personal injury.
Laser
When the cover is opened and the unit is working, do not look directly at the laser so as to avoid damage to one's eyesight.
Discs
Do not use broken, deformed or amended discs, otherwise the unit will operate faulty and the service life will be shortened.
Maintenance Service for the Faults
If any one of the following situations arise, please unplug the unit and contact qualified maintenance personnel:
A.When the power wire or plug is damaged.
B. When liquid or foreign matter has fallen into the unit.
C. When the unit has been exposed to water or rain.
D. When the unit doesn't work normally in accordance with the operating instructions. Please do not adjust any control buttons not stipulated in the instructions as this can cause damage to the unit.
E. When the unit falls from a high place or is damaged due to other reasons.
F. When smoke is emitted from the unit.
Maintenance
Please do not try to maintain or repair the unit yourself . Please contact qualified maintenance personnel.
Replacement of Components
When a component needs to be replaced, please ask the maintenance personnel to replace the component from the same model. A component from a different model may cause further damage, electric shock or decrease the service life of the unit.
Safety Check
After the completion of the maintenance, ask the maintenance personnel to check the unit and ensure it's safety.

Caution

Please Note:

1. When the unit is moved, please use the original paper box and packing materials and use the factory packing method to optimally protect the unit.
2. Do not place volatile liquids beside the unit, and do not allow rubber or plastic to make contact with the unit for extended periods of time as these products may mark the surface of the unit.
3. After the unit has been in use for a lengthy period of time, it may heat up on top and at the rear plate. This is normal.
4. When the unit is not used, please take out the disc, close the disc door and turn the power off.
5. If you have not used the unit for a long time and find that certain function keys are not working, please refer the unit to qualified service personnel for maintenance.

Location :

When your unit is placed near the TV, radio, or video tape recorder, poor image quality and sound distortion may occur. In that case, please relocate the unit away from such equipment.

Cleaning:

1. Use a soft cloth to clean the unit.
2. Please use the cloth with a small amount of diluted cleaning agent to deal with dirty spots which are not easily cleaned. Do not use any solvents with corrosive substances like diluted, gasoline solvent, abrasive solution, etc. which will damage the surface of the unit.

Warning: The cleaning and adjustment of internal parts should be conducted by trained authorised personnel.

Discs:

1. How to take care of your discs: Do not touch the playing side of the disc.



2. How to clean your discs: Use a soft cloth to wipe the disc from the centre out. Fingerprints and dust remaining on the disc will affect the quality of the image and sound. When cleaning stubborn dirt, use a clean soft cloth dipped into a little water to wipe the disc, then use a dry soft cloth to dry it. Do not use solutions like methylbenzene, cleaning agents or antistatic spray to clean the disc.



3. How to store your discs: Do not place the discs in a place with heavy moisture, dust or direct sunlight. When the discs are not used, please place them in their boxes.



Batteries:

Using the batteries incorrectly will cause leakage or corrosion of the battery fluid. Please use the batteries in accordance with

the following instructions:

1. Do not reverse the positive and negative polarity when the batteries are inserted.
2. Do not recharge non-rechargeable batteries, disassemble the batteries, make them short circuit or throw them into a fire.
3. Do not mix different types of batteries or old and new batteries .
4. Do not keep damaged batteries in the remote.
5. If the remote is not used for a long time, please remove the batteries to avoid damage caused by the leaking of the battery fluid.
6. If the remote is faulty or its effective scope is reduced, please replace with new batteries.
7. If the batteries have leaked battery fluid, please dry the battery box and replace with new batteries.

Remote Control:

Using the remote incorrectly will result in poor performance. Please use the remote in accordance with the following instructions:

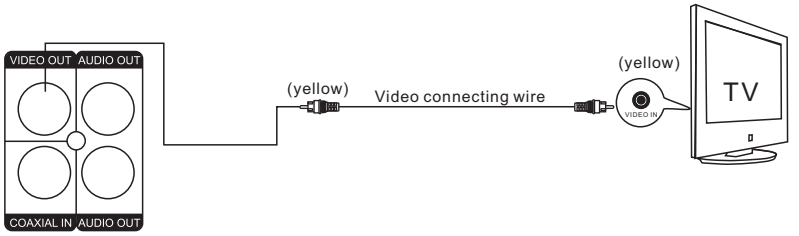
1. The emitter of the remote should not be exposed to sunlight.
2. Please aim the remote at the reception window of the unit.
3. Do not drop the remote as it may get damaged.
4. Do not allow water or any other liquids to come into contact with the remote.
5. Do not disassemble the remote.

Tips:

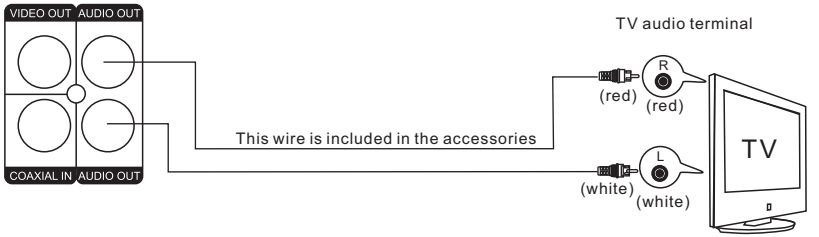
1.Correctly place the batteries inside the battery box of the remote.
2.The maximum reception distance between the remote and the unit is about 7m.
3.The maximum effective angle of the remote aligning at the reception window is 30°.

System Connection

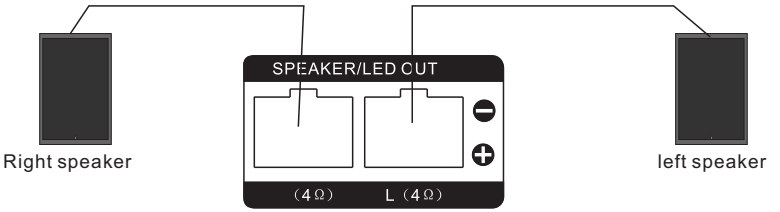
Description of Video Output Port:
Video Output
Connect to the video terminal of the TV.



TV Audio Cable:
Connect the audio cable to the TV audio terminal.



Stereo Speaker Connecting Guide:

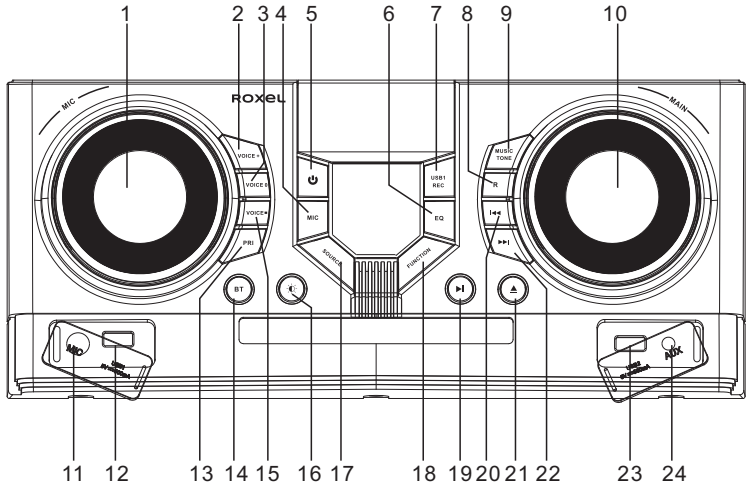


Please note:

1. When connecting speakers, please make sure the front, center and surround speakers are connected correctly to the terminals. Do not short circuit the connections as this will cause damage to the system.
2. To connect correctly, connect red wire to "+", and black wire to "_".

Front Panel Functions

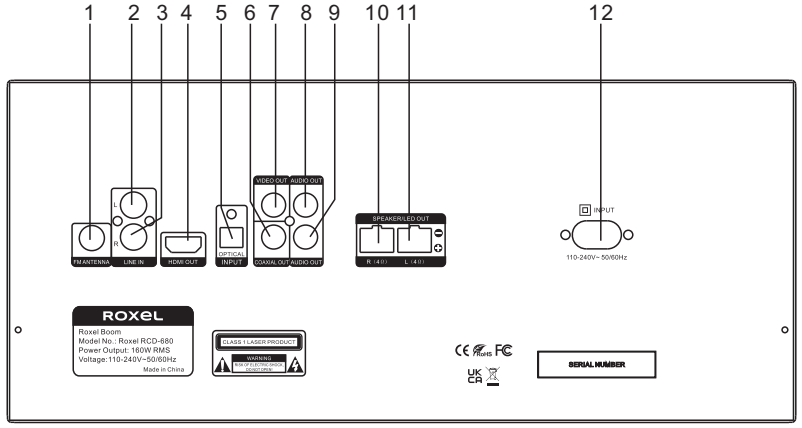
Brief Introduction of Front Panel Functions



1.MIC Volume Rotary
2.VOICE Pitch Shift UP(Sharp)
3.VOICE original Key (Natural)
4.MIC Mode Button
5.Power Switch
6.EQ Presets
7.USB 1 Record
8.Repeat Button
9.EQ Tuning
10.Main Volume Rotary
11.1/4” MIC Input
12.USB 1
13.Mic Priority / Talk Over
14.Bluetooth Mode
15.VOICE Pitch Shift DOWN (Flat)
16.LED Lighting
17.Function Button (DISC/BT/FM//AUX/LINE IN/USB Switch)
18.Play/Pause Button
19.Previous Button
20.Open/Close Button
21.Next Button
22.Previous Button
23.USB 2
24.1/8” AUX input

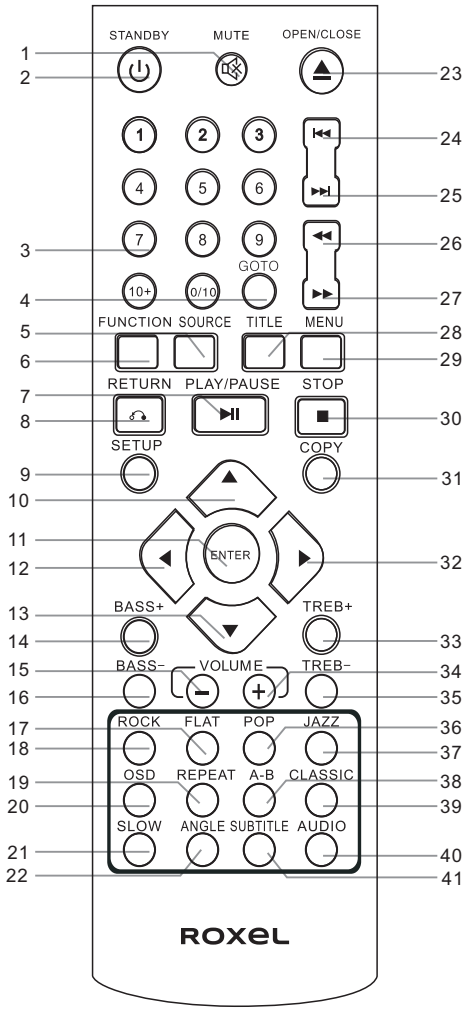
Rear Panel Functions

Brief Introduction of Rear Panel Functions



1.FM Antenna
2.RCA Line input (Left)
3.RCA Line input (Right)
4.HDMI Output
5.S/PDIF Optical Input
6.Video Output
7.Coaxial In
8.RCA Line output (Left)
9.RCA Line output (Right)
10.Right Speaker Terminal
11.Left Speaker Terminal
12.Power Input

Remote Functions



1.Mute Button
2.Power Button
3.Numerical Keys
4.GOTO(Time SelectionButton)
5.DISC/USB2
6.MODE (DISC/BT/FM/COAX/AUX/LINE IN/USB)
7.Play/Pause Button
8.Return Button
9.Setup Button
10.Up Button
11.Enter/Radio Auto Search Button
12.Left Button(FM- Button)
13.Down Button
14.Bass+ Button
15.Volume- Button
16.Bass- Button
17.EQ:Flat Mode
18.EQ: Rock Mode
19.Repeat Button
20.OSD Display Button
21.Slow Button
22.Angle Function
23.Open/Close Button
24.Previous Button(FM CH-)
25.Next Button(FM CH+)
26..Backward Button(Radio Frequency Trim-)
27.Forward Button(Radio Frenquency Trim+)
28.Title Button
29.Menu Button
30.Stop Button
31.CD Copy Button
32.Right Button
33.Treble + Button
34.Volume+Button
35.Treble - Button
36.EQ:POP Mode
37.EQ:JAZZ Mode
38.A-B Repeat Button
39.EQ:CLASSIC Mode
40.Audio Switch Function Button
41.Subtitle Function Switch Button

System Setup

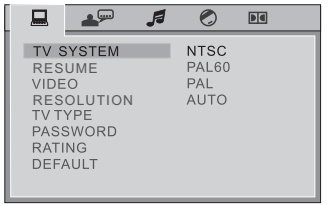
System Setup

First press the Setup】 key on the remote control to enter the Setup menu. Then press Up, Down, Left or Right to highlight the option you want to adjust in the menu and press Enter】 to enter. To exit the setup menu, press the Setup】 key.

The setup operations are as follows:

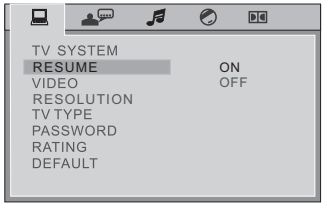
I.TV System

Enter the TV System】 option, press ►】 key to enter the sub-menu and select one of the following systems: NTSC, PAL or AUTO.



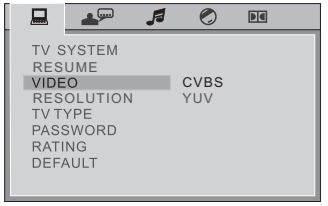
- **Resume**

Enter the Resume 】 option and press ►】 key to enter the sub-menu. There are two options: "ON" or "OFF". If you choose "ON", then when the power resumes or the CD door is closed again, it will continue playing. If you choose "OFF", then when the power resumes or the CD door is closed again, it will play from the beginning.



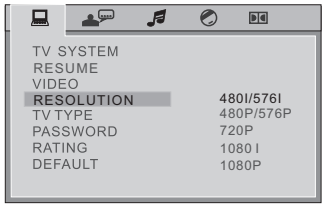
- **Video**

Enter the Video】 option and then press ►】 key to enter the sub-menu and select the output mode you require.



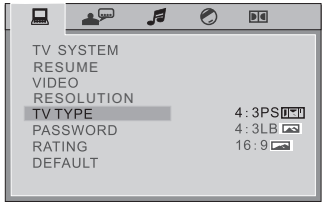
- **Resolution**

Enter the【Resolution】option and press【►】 to enter the sub-menu. The high definition output selections are as follows:480/576P, 720, 1080P.



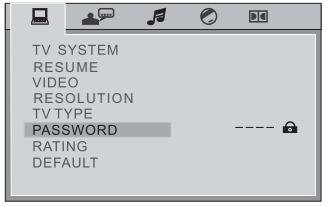
- **TV Type**

Enter the TV Type】 option and press ►】 key to enter the sub-menu. There are three modes to choose from: 4:3PS, 4:3LB or 16:9. Please select the mode that is the most compatible with your TV.



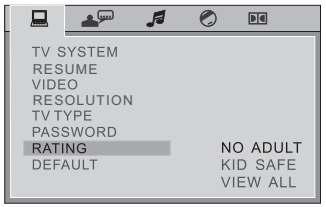
- **Password**

Enter the Password】 option, and press ►】 key to enter the sub-menu. When the initial setting is in “Password Lock” state, the “Rating” cannot be set and the password cannot be modified. If you need to modify the “Rating” and password, first enter the initial password and press Enter】 key to unlock (initial password: 0000 or 1234). The new password entered must be four digits and then press Enter】 key to take effect.



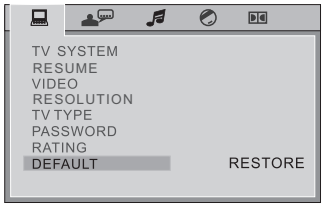
- **Rating**

When playing a disc with a locking function, select the suitable play control rating. This setup can only be carried out when the password lock is off. Remember to switch the password lock back on after you have completed the setup so that the rating restrictions can be applied.



- **Default**

Enter Default】option, press ►】key to select "Restore" and press Enter] key, so each setup will restore to factory default automatically.



II. Language Setup

The setup operations are as follows:

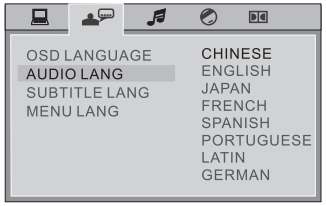
- **OSD Language**

Enter the OSD Language】option, press ►】key to enter the sub-menu and select the interface display language you want.



- **Audio Language**

Enter the Audio Lang】option, press ►】key to enter the sub-menu and select the audio language you need; ensure that the disc you wish to play has the required capability.



- **Subtitle Lang**

Enter the Subtitle Lang】option, press ►】key to enter the sub-menu and select the subtitle language you want; ensure that the disc you wish to play has the required capability.



- **Menu Lang**

Enter the Menu Lang】option, press ►】key to enter the sub-menu and select the menu language you need; ensure that the disc you wish to play has the required capability.



III. Audio Setup

The setup operations are as follows:

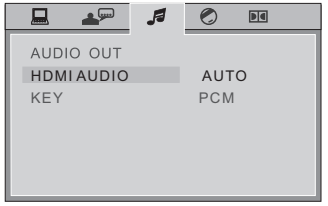
- **Audio Out**

Enter the Audio out】option, then press ►】key to enter the sub-menu to select the audio out mode.



- **HDMI Audio**

Enter the 【HDMI Audio】 option and press 【►】 key to enter the sub-menu. You can select: AUTO or PCM.



- **Key**

Enter the Key】option, press ►】key to enter the sub-menu, then use the direction keys "Up" or "Down" to adjust the key volume.

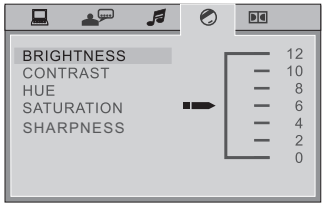


IV. Video Setup

The setup operations are as follows:

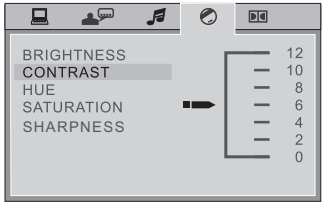
- **Brightness**

Enter the【Brightness】option, press【►】key to enter the sub-menu, then use the direction keys "Up" or "Down" to adjust brightness parameters.



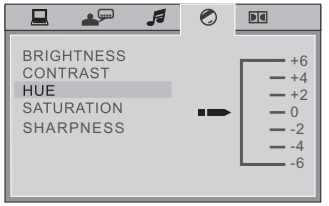
- **Contrast**

Enter the【Contrast】option, press 【►】key to enter the sub-menu, then use the direction keys "Up" or "Down" to adjust contrast parameters.



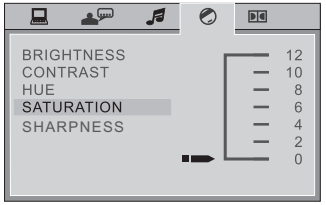
- **Hue**

Enter the【Hue】 option, press 【►】key to enter the sub-menu, then use the direction keys "Up" or "Down" to adjust hue parameters.



System Setup

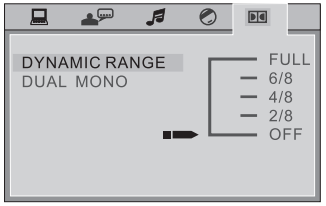
● **Saturation**
Enter the【Saturation】option, press【►】key to enter the sub-menu, then use the direction keys “Up” or “Down” to adjust saturation parameters.



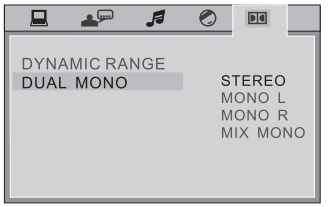
● **Sharpness**
Enter the【Sharpness】option, press 【►】key to enter the sub-menu, then use the direction keys “Up” or “Down” to adjust sharpness parameters.



● Dynamic Range
Enter the【 Dynamic Range 】 option, press 【►】 key to enter the the sub-menu then use the direction keys “Up” and “Down” to select your required option.



● **Dual Mono**
Enter the【Dual Mono】 option, then press【►】key to enter the sub-menu; there are four modes to choose from: STEREO/MONO L/ MONO R/ MIX MONO.



Bluetooth Operation/USB Copy

● **Bluetooth Reception**

To connect an external device to this unit via Bluetooth:

1. Press "Function Switch" on the remote control or on the panel to select the Bluetooth function. The corresponding screen will then display "BT" indicating that the Bluetooth function is on.
2. Ensure the Bluetooth function is on on the external device and search for Roxel RCD-680. Once found, click on it and pair. Some devices may need a pin code to connect; try 0000 or 1234. Once connected, you will hear a signal indicating that the connection is successful.

USB COPY

● **CD File Copy**

When playing CD disc, press 【Copy】 key on the remote, and enter the copy operation interface.

Multiple Setup

1. Move the highlight bar to the “SPEED” option, press the 【ENTER】 key, then select the desired multiple (i.e. copy speed).
2. In the copying process, select “CHANGE SPEED” option or press 【ENTER】 key to switch the copy speed.

● **Bit Rate Setup**

Move the highlight bar to the “BITRATE” option and press 【ENTER】 to set up; for the file with high bit rate, the capacity will be enlarged and the quality of file will be closer to that of original file. The system default is: 128KBPS.

● **Create ID3 Information**

Move the highlight bar to “CREATE ID3 TAG” option, press 【ENTER】 key to select or cancel. By selecting this option during the copying process, the file will be created with ID3 information which is produced automatically by the system.

● **Create File List**

Move the highlight bar to “CREATE FILE LIST" option, then press 【ENTER】 key to select or cancel. By selecting this option during the copying process, a file list will be produced automatically.

● **Create Playlist**

Move the highlight bar to “TRACK” option, press right key to select track option then press 【ENTER】key to select the song to be copied or to be cancelled.

● **Copy**

Move the highlight bar to “START” option; at this time, the information about this copy will be shown on the right hand side (TOTAL TRACKS, TOTAL TIME and TOTAL SIZE). Then press 【ENTER】 key to start copying and system will write the CD in MP3 format onto the designated USB. When copying at normal speed, you can listen to the content to be copied at the same time; when selecting 4 times speed, it will be mute. Please note: When you press the 【ENTER】 key to switch speed, there will be slight sound which continues for a few seconds.

● **Return from Copying Screen**

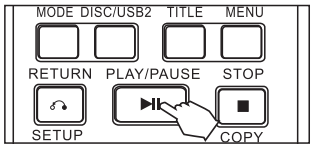
Move the highlight bar to “QUIT” option and press 【ENTER】key to confirm QUIT.

Please note: During copy, ensure that the available space on the USB is enough for the size of the file(s) to be copied then insert the USB into the USB interface. If you have two tracks with the same title, rename one of the tracks, otherwise one track will be saved over the other. While copying, do not pull the USB out or shut the unit down, as this could damage the unit or USB. If the USB cannot be read after it has been copied, please format the USB on your computer.Before you format, please save the important data from the USB.

Disc Playing Operation

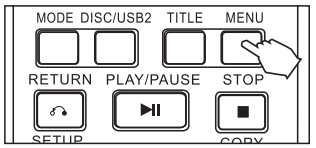
● **Sequence**

1. After reading disc, the unit will automatically go into sequence play mode.
2. Press 【PLAY/PAUSE】 key in pause mode and play mode will be recovered.



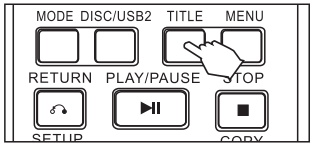
● **Menu**

Press 【MENU】 when using discs with VCD 2.0, or DVD format. Different formats of discs have different menus.



● **Title**

When playing DVD, you can choose this play mode.

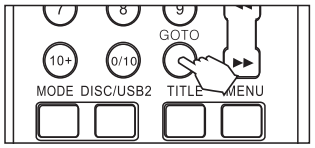


● **Select**

You can press the number keys on the remote to directly select the required track that you want to play. When VCD is in MENU mode, the track cannot be selected and can only be selected when the MENU mode is off. Different formats of discs have different selecting approaches(for example press number key “5” to select the 5th track. When selecting “23”, press “10+” twice and the screen will show “20+”; then press number key “3” or try to press “2” then hold “3” and the unit will select 23).

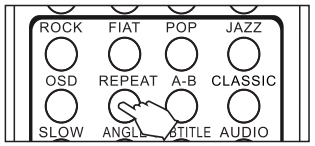
● **GOTO**

Press 【GOTO】 key on the remote and use direction keys and number keys to finish time or track selecting function, then press 【ENTER】 key.



● **Repeat**

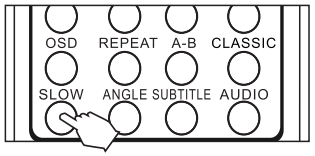
While playing, press 【REPEAT】 key on the remote. Different formats of discs have different repeating approaches to be selected: single cycle, title cycle or disc cycle.



● **Slow**

During play, press 【SLOW】 key on the remote control. To go back to the normal speed, press 【PLAY】.

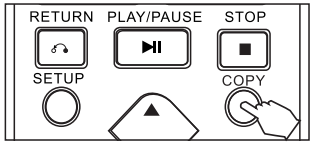
Please note: In this mode, no audio will be heard and it only affects the video files.



● **COPY**

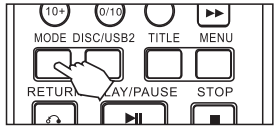
Please note: For CD discs, the unit will copy in MP3 format onto the USB . it will copy directly.

Please see Copy Function Introduction for specific operating instructions.



● **Function Switching**

When you turn the unit on, you can press “FUNCTION” to switch between the different function modes: DISC/BT/FM/COAXIAL/AUX IN/LINE IN/USB.



Please note: Please see function introduction for specific operation of FM and audio input.

Volume Adjustment

● **Master Volume**

Press “VOLUME +” or “VOLUME -” on the remote or turn the volume control knob on the panel to adjust the volume.

● **Low Pitch**

1. Press 【VOLUME】 key on the panel, select “LOW PITCH BA” adjusting state, then press “VOLUME +” or “VOLUME-"key on the remote, or turn the volume control knob on the panel to adjust low pitch.

2. Press “BASS +” or “BASS -” key on the remote to directly adjust low pitch.

3. Adjustable range of low pitch: from -10 to +10.

● **High Pitch**

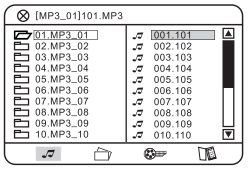
1. Press 【VOLUME】 key on the panel, select “HIGH PITCH TR” adjusting state, then press “VOLUME +” or “VOLUME -” key on the remote or turn the volume control knob on the panel to adjust high pitch.

2. Press “TREB +” or “TREB -” key on the remote to directly adjust high pitch.
3. Adjustable range of high pitch: from -10 to +10.

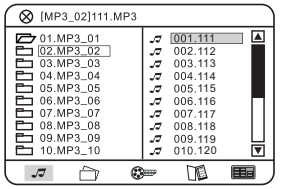
Disc Playing Operation

Play MP3 Disc

● After inserting MP3 disc, the system will automatically search all directories containing an MP3 file. After searching, the system will enter the first directory by preference and play the first track of this directory (cursor stops in 01 position).The unit will play the tracks of this directory in sequence. At this time, you can press number keys to select which song you want to play.



● Directory Selecting/ Press the Left key to return to directory list on the left hand side. Then use Up/Down keys to select folder directory on the left hand side. After the selection process is complete, press ENTER key to enter the playlist of the folder and the tracks of the playlist will automatically be played in sequence; or you can press number keys to select a specific song.



While playing, press ⏮ /PREVIOUS or ⏭ /NEXT key to select the previous or next song.

● Press REPEAT key to select single cycle, directory cycle or disc cycle modes.

● While playing, press PAUSE key to enter “Pause" state; press PLAY key to recover from that state. Please note: If you press PAUSE key twice, you will activate the “Pause" function.

Play JPEG Disc

● After inserting JPEG disc, the unit will automatically search and stop at the first image of the first directory found. Use the Up/Down keys to select image files; after you have finished selecting the images, press PLAY key to play from current image.

● Use the Up/Down keys to select image files; after you have finished selecting the images, press ENTER key to view the image. At this time, the image is in an idle state and you can press ZOOM key to zoom in on the image or press direction keys to move the image in different directions.

● When the image is idle and not zoomed in, press direction keys to rotate the image.

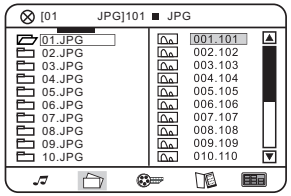
● Press PLAY key to play the image in sequence.

● After entering file menu on the right hand side, press the Up/Down keys and image content will be shown on the left hand side of the screen. You can also use this approach to view file(s).

Play MP3-JPEG Disc

● If you want to view images while playing MP3-JPEG mixed directory discs, use the Left/Right keys to select modes then use the direction keys to move the cursor to the icon of the required image and press ENTER to view the image.

Common Operation



● The method to viewing images is the same as that for playing JPEG discs.

● If you want to view other types of files while playing MP3-other mixed directory discs, use the Left/Right keys to select mode then use the direction keys to move the cursor to the icon you want to view and press ENTER to play the selected file.

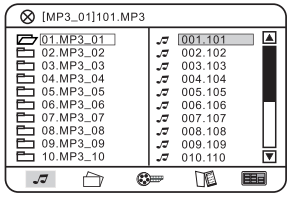
● While playing discs with mixed directories, the approach to select a file is the same as playing MP3 disc.

● The unit will automatically load the files to be played when a disc is inserted. The music files will play by default if there are also supported photo, movie and E book files on the disc.

Play USB

● When the USB has only one type of file, the playing method is the same as when you play a disc.

● When the USB has various types of files, the unit will play the audio files with the MP3 or WMA formats after it has finished its search. The method to playing other types of files is the same as when you play a disc.



Remark:Support Max capacity for USB is 32GB

● Source switching

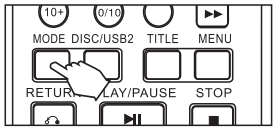
1.While the disc is playing, press SOURCE key on the remote control to switch to USB mode.
2. An interface will appear when switching from disc to USB. Press direction keys to select the file then press ENTER key for confirmation.
3.System will automatically load the USB files when there is no disc loaded.

Radio Station/ Audio Input Operation

FM Operation

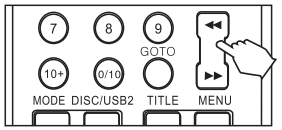
FM Radio

● Press FUNCTION or FM key on the panel or remote to switch the unit to FM operation mode.



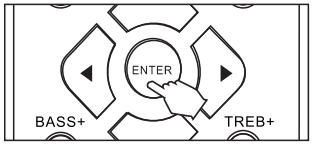
Manual Search

Press Fast Backward or Fast Forward keys on the panel or remote to manually tune and search. You can search desired radio stations backwards or forwards.



Auto Search

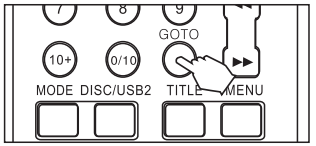
Press ENTER key on the panel or press and hold ENTER key on the remote control then the unit will automatically search in full band. FM frequency range:87-108MHZ(100KHZ for each step).



Please note: After you have found your specific station, the unit will automatically store it into current program. The FM search is affected by the radio signal strength. If no program is found during auto search or an offset frequency occurs, please use manual search, frequency-selecting search or adjust frequency by adjusting antenna position.

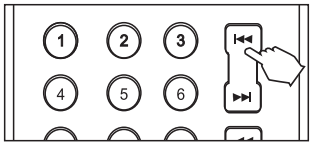
● **Frequency-Selecting Search**

Press 【GOTO】 key on the remote, the unit will display frequency-selecting state then use number keys to input your desired radio frequency. FM frequency range: 87-108 MHZ



● **Radio Program Selection**

Press ⏮ and ⏭ keys on the remote or ⏮/PREVIOUS and ⏭/NEXT keys on the panel to select stored radio program.

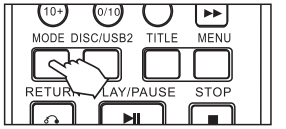


● **Radio Storage**

After operating the "Auto Search", the unit will automatically store the radio program(s) found in sequence. After operating “manual search” or “frequency-selecting search”, the unit will automatically store current radio frequency into current program.

External Audio Input Setting

● Press FUNCTION key on the remote or panel to switch the unit into audio input state.



At this time, the unit will display “LINE IN”.



At this time, the “AUX” or “Line in” channel interface of the unit must be connected to AF generator input of any machine.

Troubleshooting

Before repairing, please take a look at the following problems and possible solutions first.

Problem	Reason	Measure
No power.	Plug not properly connected.	Connect attaching plug properly.
The unit doesn't work after the power has been switched on.	No disc or USB inserted.	Insert disc or USB.
No image.	TV isn't set to DVD output.	Set TV to current output platform.
	Bad video connection or not connected well.	Replace TV connection or connect correctly.
	Connected TV doesn't work.	Ensure TV works properly.
No sound.	Not set to current connecting channel.	Set to current connecting channel.
	Bad audio connection or not connected well.	Replace audio connection or connect correctly.
	Connected unit doesn't work or volume shutdown.	Ensure connected unit works properly or turn volume up.
Bad image quality.	Disc is dirty.	Clean disc.
	Bad image quality of disc.	Replace disc with good image quality.
DVD player is not activated.	No disc inserted.	Insert disc.
	Disc installed upside down.	Place the silk-screen side upwards.
	Disc installed incorrectly into it's slot.	Place disc into it's slot correctly.
	Disc is dirty.	Clean disc.
	TV displays setting screen.	Quit setting state.
	Locking level is activated.	Unlock or change locking level.
Remote malfunction.	Remote is not aimed at the receiving window.	Aim remote at the receiving window.
	The remote and DVD player are too far away from each other.	Please operate within effective range of 7m.
	There is a large obstacle between the remote and the receiving window.	Please move obstacle.
	Remote has low batteries.	Please replace with new batteries.
Mp3 no sound or with noise.	Unsupported file format.	Skip the file.
USB files are unavailable	No file on the USB or the format is incorrect.	Please store supportable file formats or format the USB then re-copy the files.
	USB is damaged.	Repair or replace the USB.

Specifications

Main Technical Parameters

Item	Parameter Index
Disc Type	MPEG4
	DVD
	SVCD VCD DVCD
	MP3
	CD
	CD-R CD-RW
Output Interface	Audio: 2.2 Track independent output
	Video: Composite signal (AV) output
	HMDI output
Video Characteristics	Video range: 1. 0Vp_p(75Ω loading)
	Y output range: 1. 0Vp_p(75Ω loading)
	C output range: 0. 286Vp—p/NTSC; 0. 3Vp_p/PLA (75Ω loading)
Audio Characteristics	Frequency characteristics: 70Hz ~20KHz (±75dB)
	SNR: >80dB
	THD: <1%
Power Voltage	110-240V ~50/60Hz
Power Output	160W RMS
PMPO Power	320W
Operating Temperature	-10℃~+45℃
Operating Humidity	15~75% (No drop condensation)
Accessories	Remote Control, User Manual, FM Antenna, AV Cable,AC Cord

Please note: Design and specification parameters can change without prior notice.