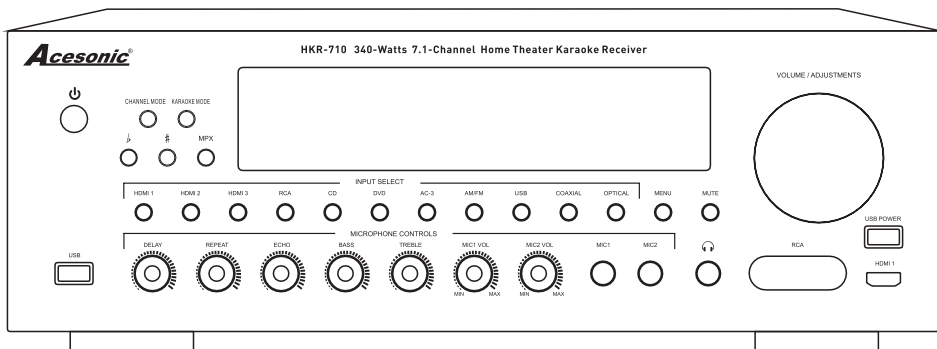


# Acesonic®

## USER'S MANUAL

340-Watts 7.1-Channel Home Theater Karaoke Receiver

MODEL NO.: HKR-710



### Inputs and Outputs:

- 3 HDMI Inputs and 1 output: 1 in front and 2 in rear
- 1 Optical and 1 Coaxial Input
- 1 Front RCA AV Input with Upconverting to HDMI 1080P
- 1 USB 5V/2.0A Power Supply Output for iPad or USB powered devices
- 1 3.5mm Headphone Jack Output

### Receiver Functions:

- AM/FM Turner with 10 Pre-set Stations for each Band and Auto Scan Feature
- Decode all major surround-sound audio formats
- 8 DSP Sound Effect for the best listen experience
- Full Function Remote Controller
- Large VFD Display
- Black Aluminum Panel
- Total Power Consumption: 400W
- Power Output:
  - Front Speakers: 80W x 2
  - Center Speaker: 80W
  - Surround Speakers: 25W x 4
- 110V/220V Voltage Switch for Worldwide Compatibility

### Karaoke Functions:

- 3 Microphone Inputs with individual volume controller: 2 in front and 1 in rear
- Digital Echo, Delay and Repeat Adjustment for Microphones
- +6 and -6 Steps Key Controller
- Karaoke 5.1 and 7.1 channel mode for use with multiple speakers output
- Mixer Output to HDMI and Record Output

Please read the instruction manual carefully before connection

Thank you for purchasing our product. You have made an excellent choice that will give you years of enjoyment.

Please read all safety and operating instructions in this manual carefully before operating the unit.

### INSTALLATION & SAFETY PRECAUTIONS

- \*Always connect the power plug to the voltage range specified to the unit AC 110~ ,60Hz/220~ ,50Hz in order to avoid fire or electric shock.
- \*Never plug or unplug the unit with wet hands. Never unplug the unit by pulling the power cord .Always hold the plug firmly when unplugging.
- \*Never block or cover any slots or openings in the unit as this will give poor ventilation that may cause overheating.
- \*Always turn off or unplug the unit before making or changing any connections.
- \*Never remove any fixed cover,as this may expose dangerous voltage that may cause electrical shock.
- \*Never allow electrical/electronic parts to be exposed to dripping or splashing of liquids and never place an object filled with liquids such as a vase on top or beside the unit.
- \*Do not put any small metal objects into the unit opening that might cause short-circuit or electrical shock.
- \*Always unplug the unit if will not be used for a long period of time.
- \*Never use the unit during a thunderstorm. Immediately unplug the unit.
- \*Never try to repair or modify this unit. Always send the unit to a qualified service centre for repair.

#### WARNING



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

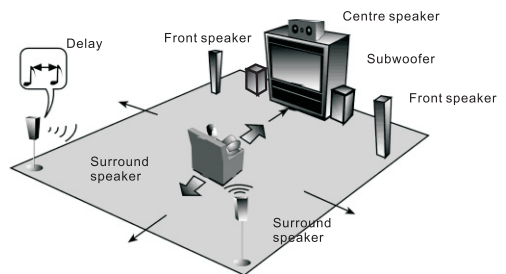
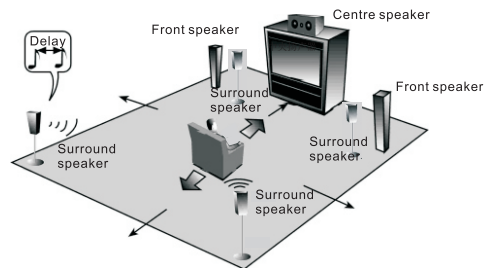
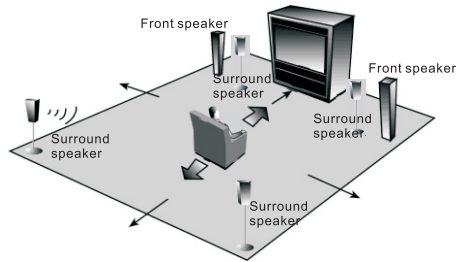
## SET UP YOUR SPEAKER SYSTEM

Your 7.1 speaker surround system provides excellent sound. The rear speakers provide an enveloping effect while the center speaker is used for voice effects.

Main speakers and rear surround speakers can also provide an authentic surround sound experience.

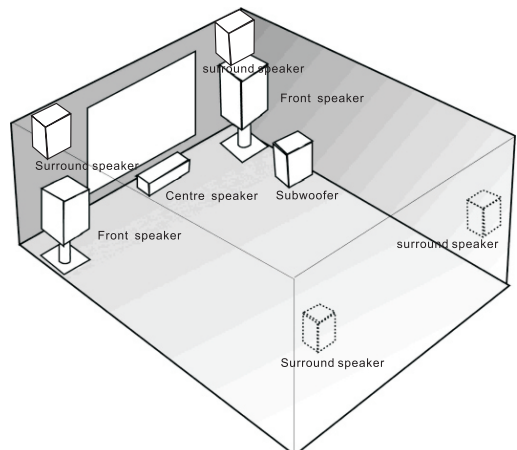
The center speaker is used for dialogue and vocal sounds.

In order to provide an increased bass response, a powered subwoofer is essential.



## PLACEMENT OF SPEAKERS

Front speakers can be put 22-30 degrees left and right of center. The center speaker should be positioned higher or lower than the TV screen to avoid magnetic interference (or use magnetically shielded speakers). The front surround speakers should be placed 90-110 degrees left and right of center. The rear surround speakers should be placed 135-150 degrees left and right of center, at least two meters from the floor.



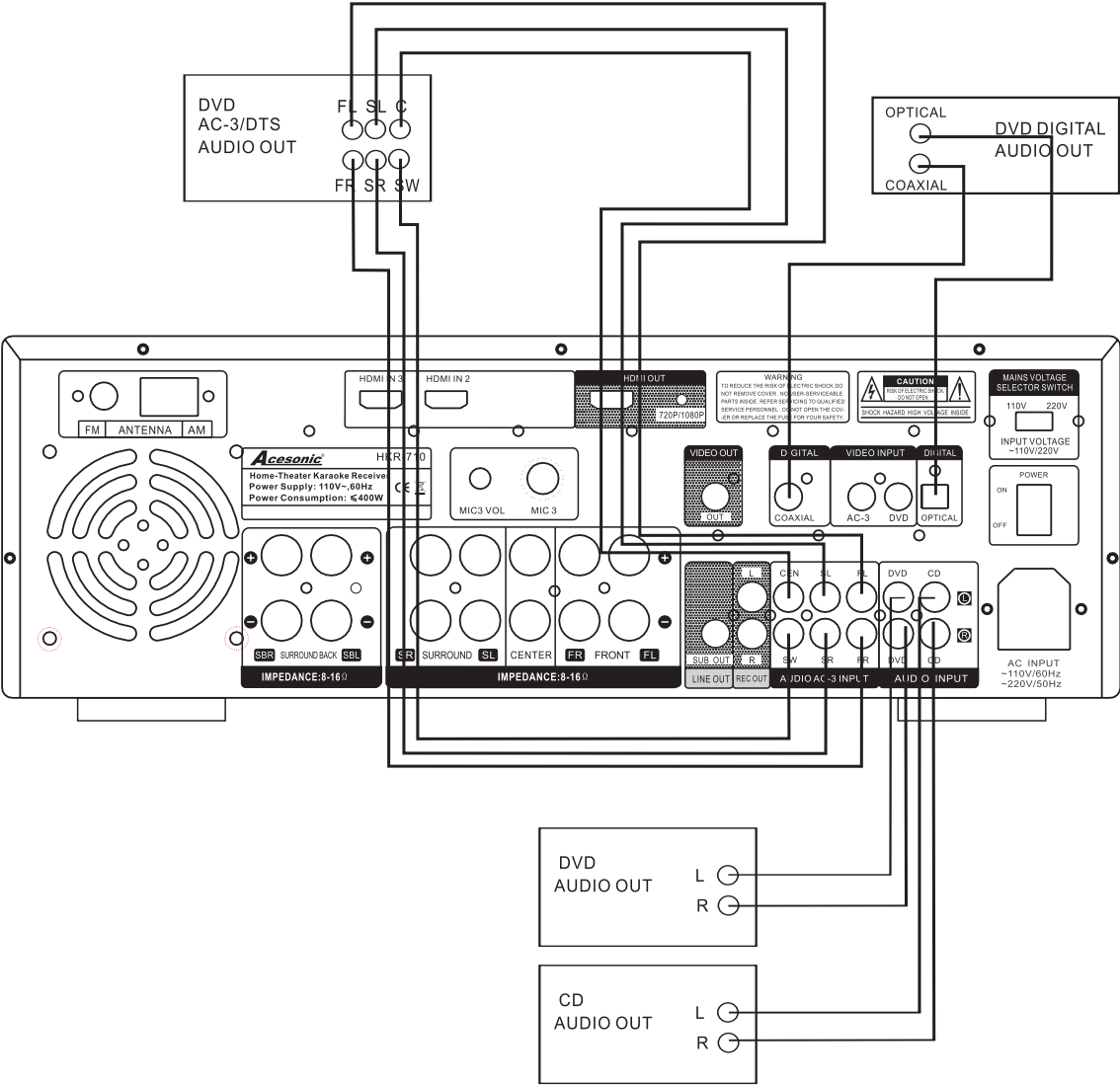
## SPEAKER CHOICE

Ensure that the speakers are powerful enough. Front speaker impedance should be  $8\Omega$ - $16\Omega$ . Center and surround speaker impedance should be  $8\Omega$ - $16\Omega$ .

CONNECTION DIAGRAM:

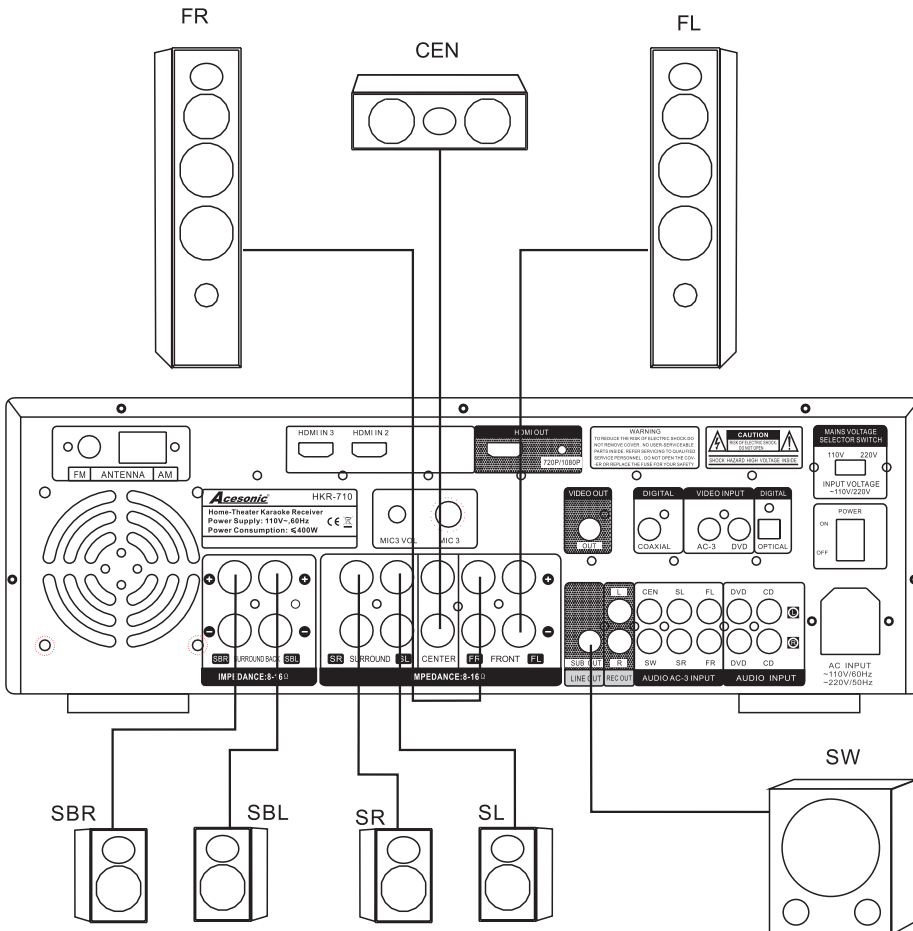
Note:

- Always unplug the unit when making connections.
- Check all connections(RCA Cords) are firmly fitted.
- Check all speakers are connected to their correct designated position.



## SPEAKER CONNECTIONS INSTRUCTIONS

1. The speaker impedance should be correct (read "Speaker Choice"), or this unit or speakers could be damaged.
2. Do not let the bare speaker wires touch each other or any other metal parts as this could damage this unit or speakers.
3. Make sure the polarity of speaker wires is correct, '+' to '+', and '-' to '-', if these wires are incorrectly connected, the sound will be unnatural.



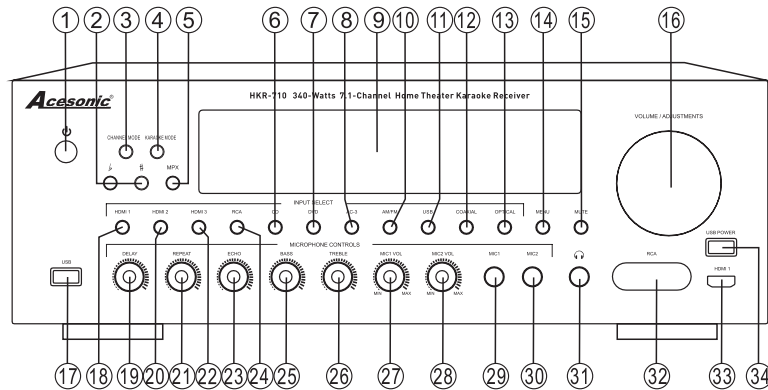
### CONNECTING SPEAKER SYSTEM

Connect the speaker terminals to the speaker wire. Ensure that the speaker wire is the correct gauge and cut it as short as possible.

Cut off the insulation about 10mm from the wire. If the bare wire is loose, please connect it up.

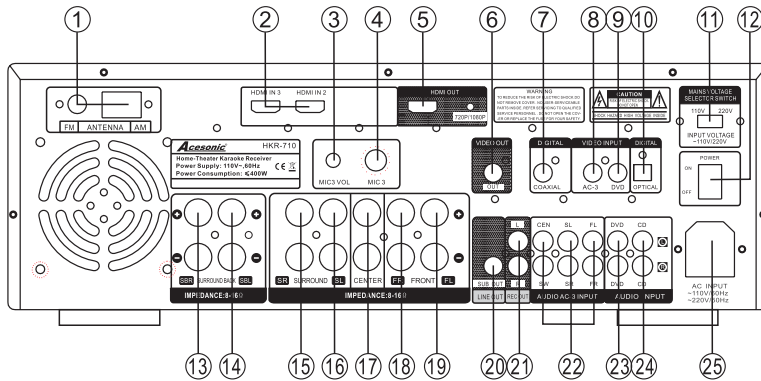


## CONTROLS ON PANEL



- 1.**STANDBY:** Press this switch to put the unit in standby.
- 2.**KEY CONTROL:** Using these two buttons, you can adjust the key of the source material.
- 3.**CHANNEL MODE:** This key is used to select the channel mode, which switches between stereo, 2.1, 3.1, 5.1 and 7.1 modes.
- 4.**KARAOKE MODE:** This key is used to select the karaoke mode, which switches between 3.1, 5.1, and 7.1 channels with vocal output.
- 5.**MPX:** Press this key to toggle L, R, and Stereo multiplex modes.
- 6.**CD:** Press this key to choose CD mode.
- 7.**DVD:** Press this key to choose DVD mode.
- 8.**AC-3:** Press this key to choose AC-3 mode.
- 9.**VFD display**
- 10.**AM/FM:** Press this key to select AM/FM, then adjust the knob VOLUME/ADJUSTMENTS to adjust the tuning.
- 11.**USB:** Press this key to choose USB mode.
- 12.**COAXIAL:** Press this key to choose coaxial mode.
- 13.**OPTICAL:** Press this key to choose optical mode.
- 14.**MENU:** Press this key to cycle through AUTO CH/STEREO, MUSIC MAIN VOLUME, TREBLE, BASS, CENTER, SURROUND FRONT LEFT, SURROUND FRONT RIGHT, SURROUND BACK LEFT, SURROUND BACK RIGHT, SUBWOOFER, MIC VOLUME, or DSP effects, then adjust the knob VOLUME/ADJUSTMENTS.
- 15.**MUTE:** Press this key to mute all audio.
- 16.**VOLUME/ADJUSTMENTS:** Adjust this knob to raise or lower the volume of the amplifier, or adjust multi-function.
- 17.**USB TERMINAL**
- 18.**HDMI 1:** Press this key to choose HDMI 1 input.
- 19.**MIC DELAY:** Adjust this knob to raise or lower the microphone delay time.
- 20.**HDMI 2:** Press this key to choose HDMI 2 input.
- 21.**MIC REPEAT:** Adjust this knob to raise or lower the microphone echo repeat setting.
- 22.**HDMI 3:** Press this key to choose HDMI 3 input.
- 23.**MIC ECHO:** Adjust this knob to raise or lower the microphone echo effect.
- 24.**RCA:** Press this key to choose RCA input.
- 25.**MIC BASS:** Adjust this knob to raise or lower the microphone bass level.
- 26.**MIC TREBLE:** Adjust this knob to raise or lower the microphone treble level.
- 27.**MIC 1 VOL:** Adjust this knob to raise or lower the microphone 1 volume.
- 28.**MIC 2 VOL:** Adjust this knob to raise or lower the microphone 2 volume.
- 29.**MIC SOCKET 1:** Microphone input 1.
- 30.**MIC SOCKET 2:** Microphone input 2.
- 31.**Earphone / headphone jack.**
- 32.**AUX INPUT:** Connect to the AUX audio and video input source.
- 33.**HDMI 1:** Connect to the HDMI 1 input source.
- 34.**USB POWER TERMINAL**

## TERMINALS ON REAR



### 1.AM/FM ANTENNA

**2.HDMI INPUT JACK:** DVD/Blu-Ray/PS3 HDMI input jack.

**3.MIC 3 VOL:** Adjust this knob to raise or lower the microphone 3 volume.

**4.MIC SOCKET 3:** Microphone 3 input jack.

**5.HDMI OUTPUT JACK:** Connect to monitor or projector.

**6.VIDEO OUTPUT JACK:** Connect to analog video output.

**7.COAXIAL CD/DVD INPUT JACK:** Connect to COAXIAL CD/DVD audio input.

**8.VIDEO AC-3 INPUT JACK:** Connect to video AC-3 input.

**9.VIDEO DVD INPUT JACK:** Connect to video DVD input.

**10.OPTICAL INPUT JACK:** Connect to optical audio input.

**11.MAIN S VOLTAGE SELECTOR SWITCH:** Input voltage 110V~, 60Hz / 220V~, 50Hz.

**12.POWER SWITCH:** Press this switch to turn the unit's power on and off.

**13.BACK SURROUND SPEAKER (RIGHT) TERMINAL:** Connect to back surround speaker (right) with an impedance of 8 Ω -16 Ω .

**14.BACK SURROUND SPEAKER (LEFT) TERMINAL:** Connect to back surround speaker (left) with an impedance of 8 Ω -16 Ω .

**15.SURROUND SPEAKER (RIGHT) TERMINAL:** Connect to surround speaker (right) with an impedance of 8 Ω -16 Ω .

**16.SURROUND SPEAKER (LEFT) TERMINAL:** Connect to surround speaker (left) with an impedance of 8 Ω -16 Ω .

**17.CENTER SPEAKER TERMINAL:** Connect to center speaker with an impedance of 8 Ω -16 Ω .

**18.FRONT SPEAKER (RIGHT) TERMINAL:** Connect to front speaker (right) with an impedance of 8 Ω -16 Ω .

**19.FRONT SPEAKER (LEFT) TERMINAL:** Connect to front speaker (left) with an impedance of 8 Ω -16 Ω .

**20.SW LINE OUT:** Subwoofer output at line level.

**21.REC OUT:** Stereo record out.

**22.AC-3 AUDIO INPUT JACKS:** Connect to AC-3 inputs.

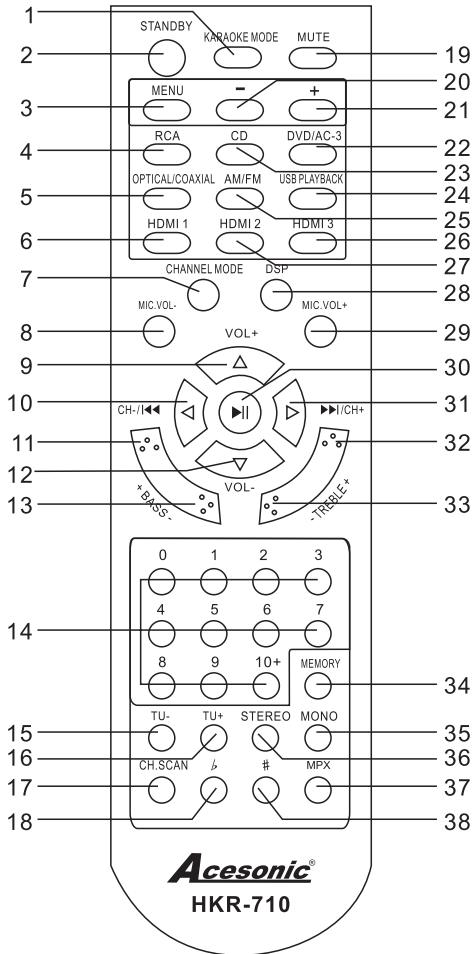
**23.DVD AUDIO INPUT JACKS:** Connect to DVD inputs.

**24.CD AUDIO INPUT JACKS:** Connect to CD inputs.

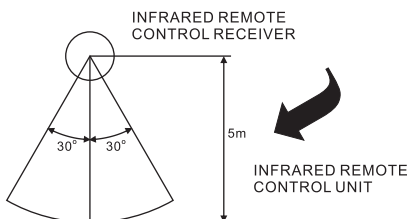
**25.AC INPUT:** 110V~, 60Hz / 220V~, 50Hz.

# REMOTE CONTROLLER FUNCTION INTRODUCTION

## Remote Control



- 1.KARAOKE MODE
- 2.STANDBY
- 3.MENU
- 4.RCA
- 5.OPTICAL/COAXIAL
- 6.HDMI 1
- 7.CHANNEL MODE
- 8.MIC VOL -
- 9.VOLUME +
- 10.LEFT
- 11.PREVIOUS/CHANNEL -
- 12.DOWN
- 13.BASS +/-
- 14.NUMBER BUTTONS
- 15.TUNING -
- 16.TUNING +
- 17.CHANNEL SCAN (AUTO)
18. $\flat$
- 19.MUTE
- 20.MENU MODE DECREASE
- 21.MENU MODE INCREASE
- 22.DVD/AC-3
- 23.CD
- 24.USB PLAYBACK
- 25.AM/FM
- 26.HDMI 3
- 27.HDMI 2
- 28.DSP MODE
- 29.MIC VOLUME +
- 30.PLAY/PAUSE
- 31.RIGHT
- 32.NEXT/CHANNEL +
- 33.TREBLE +/-
- 34.MEMORY
- 35.MONO
- 36.STEREO
- 37.MPX
- 38.#



### REMOTE CONTROL OPERATING CONDITION:

- If the remote control is conflicting with other devices, the operation will be affected, but not the unit.
- Do not simultaneously press the button on the unit and the button on the remote control.
- Avoid using two remote controls at the same time as this will cause malfunction.
- Use only UM-4 "AAA" size batteries, and don't mix old batteries with new ones.
- If the battery leaks, clean the remote control thoroughly before replacing with new ones.
- Do not short the two terminals of the battery, and dispose of batteries in a proper place.



### Normal function

1. Select audio source by pressing the appropriate selector key on the front panel of the receiver, or the appropriate button on the remote control. When selecting AC-3 input, the receiver can link decoder to 7.1 channel output.
2. Adjust the VOLUME/ADJUSTMENTS knob on the front panel, or press VOL + or VOL - on the remote to adjust the setting of the main volume control to your listening level.
3. Press the MENU key until 'TRE' is displayed and use the VOLUME/ADJUSTMENTS knob to increase or decrease the music treble, or press the TREBLE +/- buttons on the remote control.
4. Press the MENU key until 'BASS' is displayed and use the VOLUME/ADJUSTMENTS knob to increase or decrease the music bass, or press the BASS +/- buttons on the remote control.
5. Press the MUTE key on the front panel or the MUTE button on the remote control to mute all audio, and press it again to toggle back on.
6. Press the MENU key until 'DSP' is displayed and use the VOLUME/ADJUSTMENTS knob to select a DSP mode, or use the DSP key on the remote.
7. Connect a powered subwoofer via the SUB OUT RCA output.
8. Press the CHANNEL MODE key on the front panel or on the remote to select stereo, 2.1, 3.1, 5.1 and 7.1 modes. When AC-3 input is selected, CHANNEL MODE will be in 7.1 mode.
9. Use the MENU key and VOLUME/ADJUSTMENTS knob to increase or decrease CENTER, SURROUND RIGHT, SURROUND LEFT, SURROUND BACK RIGHT, SURROUND BACK LEFT, and SUBWOOFER speaker volumes.
10. Use the REC OUT outputs to record music + karaoke vocal via an external recorder.

### Function of USB reader

#### USB interface

This unit has a USB jack. Press the USB key or USB PLAYBACK on the remote control to select USB. You can insert a USB drive or an MP3 player with USB interface to play mp3s.

NOTE: When using USB function, please do not insert in the wrong direction or you may damage the connector. This USB function can charge your iPhone and other devices, and please note that USB cable is suggested to be less than 20cm only.

### Function of HDMI switcher

#### HDMI Function

This unit has three HDMI input jacks and one HDMI output jack for digital audio and video input and output. Connect the HDMI 1, HDMI 2, or HDMI 3 jack of this unit to the HDMI output jack of other HDMI components (such as DVD player). Connect the HDMI OUT jack of this unit to the HDMI input jack of other HDMI components (such as HDTV or projector). The audio and video inputted at the HDMI IN jacks of the selected input source are outputted at the HDMI OUT jack of this unit.

## **KARAOKE function**

- 1.The machine can auto detect whether MIC 1 or MIC 2 is inserted. Please turn off the microphone volume and adjust the individual MIC 1 or MIC 2 volume knobs gradually after inserting the microphone. There is a MIC 3 jack on the rear panel. You can adjust the knob MIC 3 VOL on the rear panel to raise or lower the MIC 3 volume.
- 2.Adjust the knob MIC 1 VOL on the front panel, press the keys MIC VOL+/MIC VOL- on the remote control, or adjust MICV in the MENU to change the microphone 1 volume.  
Adjust the knob MIC 2 VOL on the front panel, press the keys MIC VOL+/MIC VOL- on the remote control, or adjust MICV in the MENU to change the microphone 2 volume.  
Adjust the knob MIC 3 VOL on the front panel, press the keys MIC VOL+/MIC VOL- on the remote control, or adjust MICV in the MENU to change the microphone 3 volume.
- 3.Adjust the knob DELAY on the front panel to increase or decrease the time between repeats when using the ECHO effect.  
Adjust the knob REPEAT on the front panel to increase or decrease the number of repeats when using the ECHO effect.  
Adjust the knob ECHO on the front panel to increase or decrease the intensity of ECHO when using the ECHO effect.
- 4.Adjust the knobs MIC TREBLE+/- or MIC BASS +/- on the front panel to change the microphone tone.
- 5.KEY control
  - 1.Upward key transpose '#' (display KEY +1 to +6)  
By pressing button '#', a higher key than the standard key can be set in tone steps.
  - 2.Downward key transpose 'b' (display KEY -1 to -6)  
By pressing button 'b', a lower key than the standard key can be set in tone steps.
- 2.Multplex function  
When the MPX button is pressed during playing a digital multiplex audio disc, the Left channel audio is muted and MONO R will be displayed.  
When MPX is pressed again, the Right channel is muted and MONO L is displayed.  
When MPX is pressed a third time, the Stereo state is reset and STEREO is displayed.

## **Tuner application**

- 1.Before using the radio function, you must attach the supplied antenna. Adjust the antenna to obtain optimum reception.
- 2.Press the AM/FM button on the front panel or remote control to engage 'TUNER' function and toggle AM band or FM band.
- 3.Press the TU+/TU- on the remote control to adjust the radio frequency by hand.
- 4.Press CH SCAN on the remote control the machine can scan radio channels from low-frequency to high-frequency by itself, and memorize the channels one by one.
- 5.Press the key MEMORY on the remote control to memorize the current radio frequency in the band. The machine can memorize at most 40 FM radio bands and 20 AM radio bands.
- 6.Press the STEREO or MONO buttons on the remote control to select stereo or mono.

## COAXIAL,OPTICAL,HDMI STANDARD PLAY MODE

DISC	AMPLIFIER SETUP	DVD PLAYER SETUP
CD, VCD CD-R/RW HDCD	STEREO	DVD PLAYER AUDIO SPDIF OUTPUT: <b>PCM</b>
	7.1 CH(AUTO)	DVD PLAYER AUDIO SPDIF OUTPUT: <b>PCM</b>
DVD DVD+R/RW	STEREO	DVD PLAYER AUDIO SPDIF OUTPUT: <b>PCM</b>
	7.1 CH(AUTO)	DVD PLAYER AUDIO SPDIF OUTPUT: <b>DOLBY/DTS ets</b>

**NOTE:**

Please choose 7.1 CH mode(AUTO) when use rear surround speakers.

Please choose STEREO mode when not use rear surround speakers

## TROUBLE SHOOTING

For your convenience, we have enlisted some points to help to solve problems you might encounter .

Problem	Possible Cause	Suggested Solution
The display does not light and there is no sound output	Power cord not plugged in securely	Check power cord & plug connection
Display lights but sound is not produced	Speaker connections not secure Volume control at minimum level	Connect securely Turn volume up
No sound from center channel	Speaker connections not secure Center channel volume set to minimum	Connect securely Adjust center channel volume control
Sound from one channel only	Speaker connections Input/output connections Left/right balance off	Connect securely Connect securely Adjust balance control
Surround channel no sound	Speaker connections Surround channel volume set to minimum	Connect securely Adjust surround channel volume control
Instrument sound reversed in stereo playback	Incorrect speaker polarity Incorrect input polarity	Ensure + and - connections are connected correctly Ensure + and - connections are connected correctly
Receiver does not operate correctly with remote	Batteries dead Batteries inserted incorrectly Remote too far from receiver Obstacle between remote and receiver Incorrect button being used	Replace batteries Check that batteries are inserted correctly Operate closer to receiver Remove obstacle Use correct button

## SPECIFICATION

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Output Power	400W(8 $\Omega$ )
Frequency Response	20Hz~20KHz
Max. Input Capability	500mV
Distortion	<0.1%
S/N	75dB

## GENERAL REQUIREMENT

Power source-----110V~,60Hz/220V~,50Hz

### Accessory

Operation manual	1PC
Remote Control	1PC
AM/FM Antenna	1SET

- The specification presents only as a reference. Weight and size values are approximate.
- Our product specifications are subject to change without prior notice.
- The content of this manual has been collated carefully. If there are any mistakes caused by printing or other reasons, please contact us, and we will endeavour to assist you where possible.

***Acesonic***<sup>®</sup>