

**Goodmans**

**GHC 55 PRO**

# **Home Theatre Amplifier Audio System**



**User Guide**

Save the carton and packing material; they will be useful if you ever have to transport the unit.

Pack contents:

- 1 X Remote control
- 2 X AAA batteries for remote control
- 1 X RCA stereo Audio/Video cable
- 2 X Front loudspeakers
- 2 X Rear loudspeakers
- 1 X Subwoofer
- 1 X Centre loudspeaker
- Loudspeaker connecting leads

Please retain all packaging material for future transportation of the unit or in the unlikely event that the unit needs to be returned for service.

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## INTRODUCTION

This instruction manual is important to you. Please read it. In a short time it shows exactly how to connect, operate, and adjust this unit for best performance. It can save you money. It shows simple things to do and check before you call for help and save the cost of unnecessary service or call out charge.

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## IMPORTANT SAFEGUARDS

For your own safety read following instructions carefully before attempting to connect this Amplifier to the mains.

Mains Supply: 230V ~ 50Hz - AC only

This unit is designed to operate on a **230V~50Hz** supply only. Connecting it to other power sources may damage it. Ensure that the supply corresponds to the information on the rating label on the bottom of the Amplifier.

This component system may be fitted with a non-rewireable plug. If it is necessary to change the fuse in a non-rewireable plug the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a replacement, available from the manufacturer, is obtained. It is important that the colour of the replacement fuse cover corresponds with the colour marking on the base of the plug.

If the plug needs to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below. The plug must then be disposed of safely, as insertion into a 13A socket is likely to cause an electrical hazard.

### IMPORTANT

The wires in the mains plug should be connected as shown in the diagram.

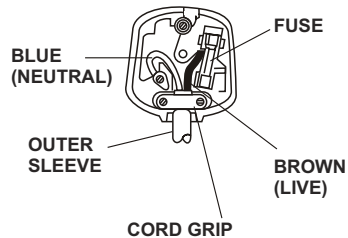
The colours of the wires in the mains lead of the unit may not correspond with the coloured markings identifying the terminals in your plug. Connect them as follows:-

The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red.

There should be no connection to the earth terminal of your plug.

If a 13 Amp (BS 1363) Plug is used, a 3 Amp Fuse must be fitted, or if any other type of Plug is used a 3 Amp or 5 Amp Fuse must be fitted, either in the Plug or Adaptor, or on the Distribution Board.



This symbol means that this unit is double insulated. An earth connection is not required.

### DANGER

#### LASER SAFETY

CAUTION : USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service



### CAUTION

To prevent electric shock, disconnect from the mains before removing cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

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To achieve the utmost in enjoyment and performance, please read this manually carefully before attempting to operate the unit in order to become familiar with its features, and assure you years of faithful, trouble free performance and listening pleasure.

### Important Notes

- Keep instructions the safety and operating instructions should be retained for future reference.
- Avoid installing the unit in locations described below:
  - Exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
  - On top of other stereo equipment that radiate too much heat.
  - Places lacking ventilation or dusty places.
  - Places subject to constant vibration.
  - Humid or moist places.
- Make sure not to obstruct the ventilation opening.
- Operate turning controls and switches as instructed in the manual.
- Before turning on the power for the first time, make certain the power cord is properly installed.
- Store your tapes or CD in a cool area to avoid damage from heat.

For safety reasons, do not remove any covers or attempt to gain access to the inside of the product. Refer any servicing to qualified personal.

Do not attempt to remove any screws, or open the casing of the unit; there are no user serviceable parts inside, refer all servicing to qualified service personal.



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



### DANGEROUS VOLTAGE

Conductor dangerous voltage, that may be of sufficient magnitude to constitute a risk of electric shock to persons is present within this product's enclosure.



### ATTENTION

The owner's manual contains important operating and maintenance instructions, for your safety, it is necessary to refer to the manual.

**WARNING :** TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO DRIPPING OR SPLASHING.

### Note:

This unit will become warm when used for a long period of time. This is normal and does not indicate a problem with the unit.

## IMPORTANT NOTES

Hearing is very important to you and to us so please take care when operating this equipment. It is strongly recommended that you follow the listed guidelines in order to prevent possible damage or loss of hearing.

### ESTABLISH A SAFE SOUND LEVEL

- Over time your hearing will adapt to continuous loud sounds and will give the impression that the volume has in fact been reduced. What seems normal to you may in fact be harmful. To guard against this **BEFORE YOUR HEARING ADAPTS** set the volume at a low level.
- Slowly increase the level until you can hear comfortably and clearly and without distortion.
- Damage to your hearing is accumulative and is irreversible..
- Any ringing or discomfort in the ears indicates that the volume is maybe too loud.

Once you have established a comfortable listening level, **DO NOT INCREASE THE SOUND LEVEL FURTHER.**

The following list of typical sound levels may assist you in recognising just how loud you have set the volume level.

#### DECIBEL Level(dB)

#### Example

30dB	Quiet library ,soft whisper.
40dB	Living room , fridge freezer bedroom away from traffic.
50dB	Normal conversation, quiet office, light traffic.
60dB	Electric sewing machine.
70dB	Vacuum cleaner, hair dryer, noisy restaurant.

#### THE FOLLOWING NOISE CAN BE HARMFUL UNDER CONSTANT EXPOSURE

80dB	Average city traffic, alarm clock buzzer at 2 feet, food mixer.
90dB	Motorcycle heavy goods vehicle, petrol lawn mower.
100dB	Pneumatic drill, chair saw, garbage truck, discotheque/night-club.
120dB	Rock band concert, thunderclap fast train passing by.

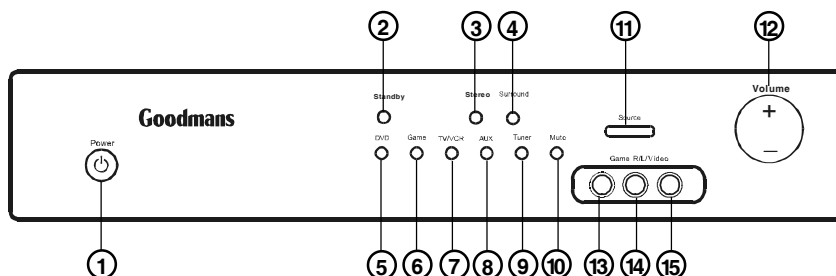
#### PERMANENT LOSS OF HEARING

140dB	THRESHOLD OF PAIN GUNSHOT 2 feet away, jet plane taking off.
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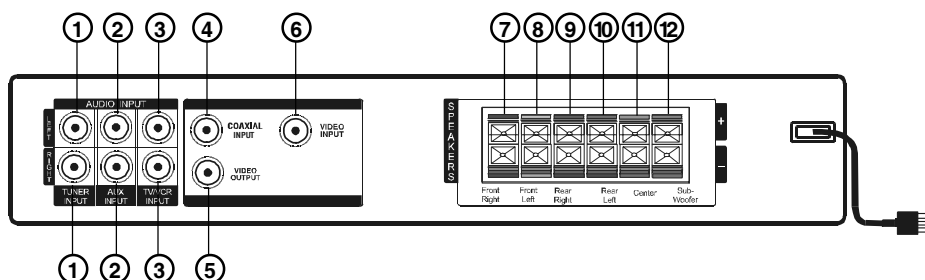
# Identifying your Amplifier

## Front Panel



1. Power button
2. Standby indicator
3. Stereo indicator
4. Surround indicator
5. DVD indicator
6. Game indicator
7. TV/VCR indicator
8. AUX indicator
9. Tuner indicator
10. Mute indicator
11. Source button
12. Volume Up/Down button
13. Game Input (RIGHT) connector
14. Game Input (LEFT) connector
15. Game Input connector

## Rear Panel



1. Tuner Input connectors
2. AUX Input connectors
3. TV/VCR Input connectors
4. Coaxial Input connector
5. Video Output connector
6. Video Input connector
7. Front Right Speaker terminals
8. Front Left Speaker terminals
9. Rear Right Speaker terminals
10. Rear Left Speaker terminals
11. Center Speaker terminals
12. Subwoofer Speaker terminals

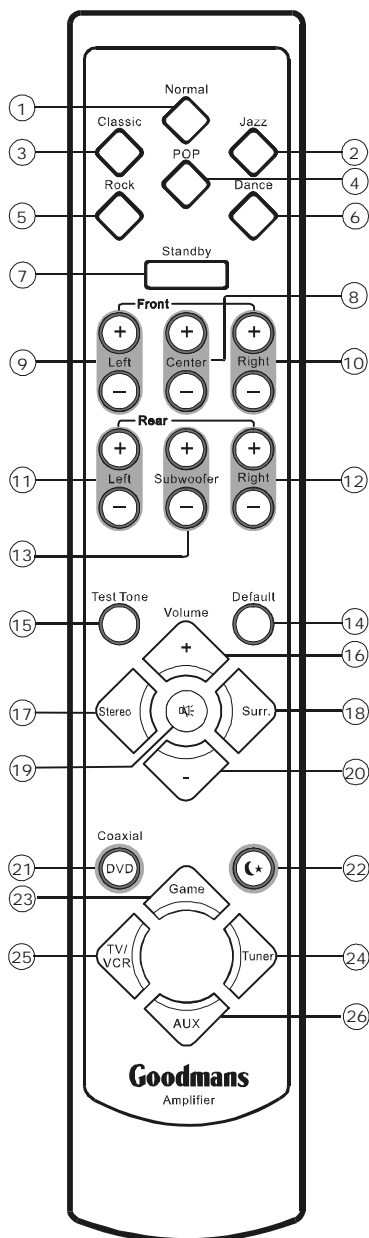
Note: The layout of the panels are subject to change on revising.



# Identifying your Amplifier

## Remote Control

1. Normal button--Default listening mode.
2. Jazz button--Press to listen to Jazz music sound effect.
3. Classic button--Press to listen to Classic music sound effect.
4. POP button--Press to listen to POP music sound effect.
5. Rock button--Press to listen to Rock music sound effect.
6. Dance button--Press to listen to Dance music sound effect.
7. Standby button--Press to switch the amplifier from POWER ON to STANDBY mode. (The main power of the amplifier must be ON at this time.)
8. Center Up/Down Volume button--Press to adjust center speaker's sound level.
9. Front Left Up/Down Volume button--Press to adjust Front Left speaker's sound level.
10. Front Right Up/Down Volume button--Press to adjust Front Right speaker's sound level.
11. Rear Left Up/Down Volume button--Press to adjust Rear Left speaker's sound level.
12. Rear Right Up/Down Volume button--Press to adjust Rear Right speaker's sound level.
13. Subwoofer Up/Down Volume button--Press to adjust Subwoofer speaker's sound level.
14. Default button--Press to restore customized settings to the factory default settings.
15. Test Tone button--Press to check the speaker connection.
16. Volume Up button--Press to raise Master volume.
17. Stereo button--Press to output 2.1 channel sound.
18. Surround button--Press to output 5.1 channel sound.
19. Mute button--Press to turn off the sound. To restore the sound, press it again.
20. Volume Down button--Press to lower Master volume.
21. Coaxial DVD button--Press the button when your amplifier connects to the DVD player via coaxial cable.
22. Night Mode button--Usually press to lower and balance sudden loud sounds of the input source when playing the amplifier at night.
23. Game button--Press to select the TV Game or Video Camera as the input source.
24. Tuner button--Press to select the Tuner as the input source.
25. TV/VCR button--Press to select the TV/VCR as the input source.
26. AUX button--Press to select the AUX as the input source.

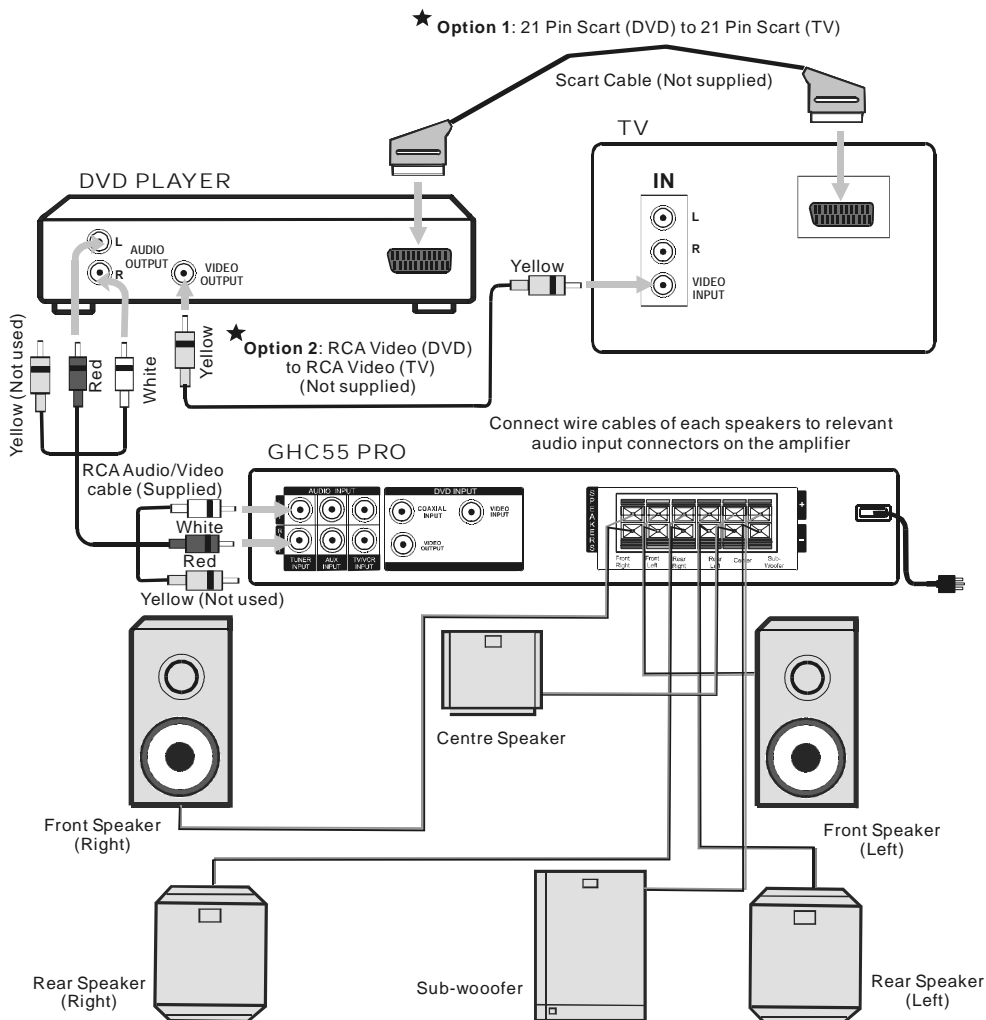






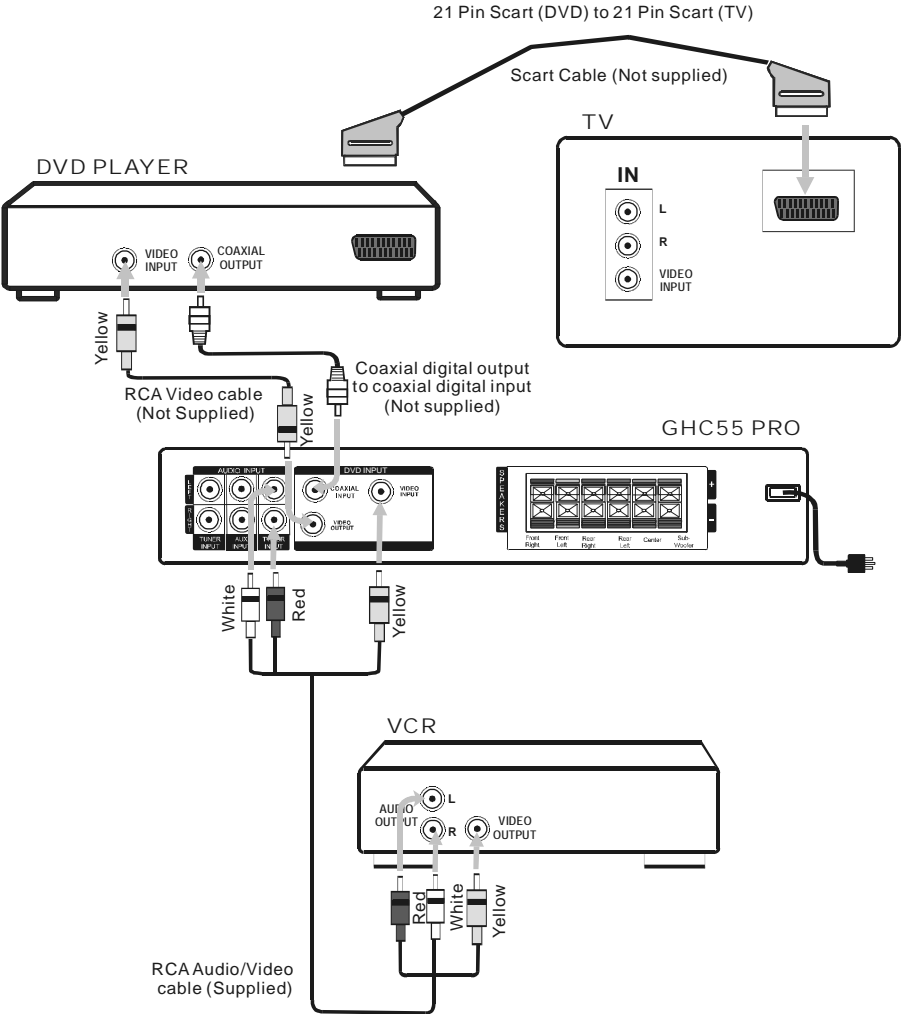
# Connecting External Equipment

## Connecting to a DVD player and stereo TV

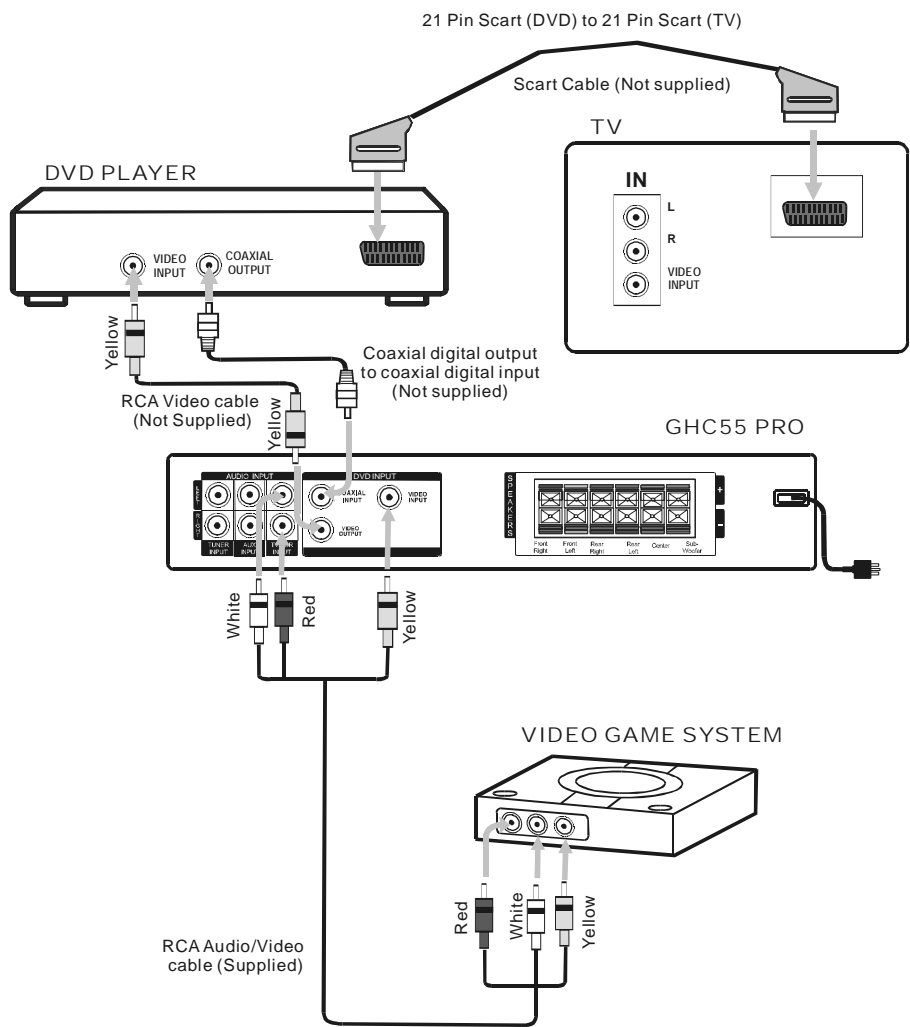


★ **Note:** Do not use a combination of option 1 and 2, as this may produce picture interference.

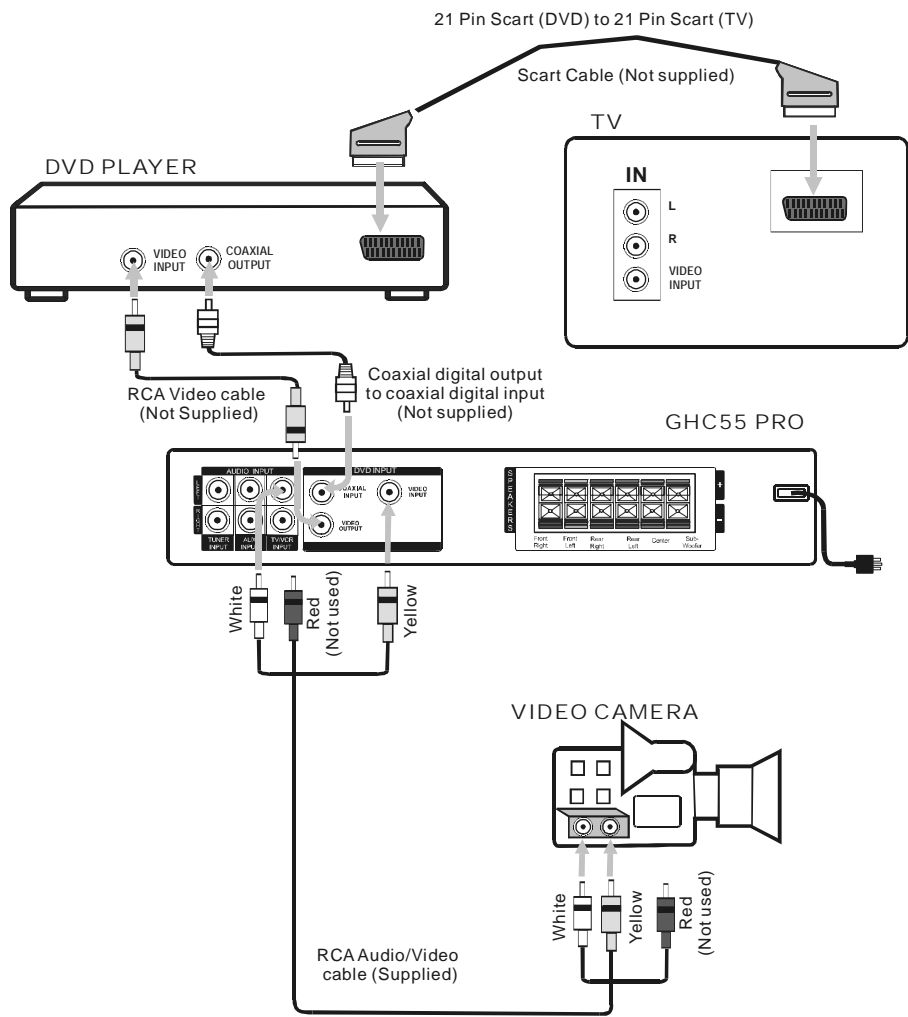
# Connecting to a VCR



# Connecting to a Video Game System



# Connecting to a Video Camera





# Using Amplifier

Before starting using the amplifier, please connect all the audio devices to the device first. Refer to the included *Amplifier Connection Diagram*.

## Basic Operation

1. Press the **POWER** button on the main unit, the amplifier goes to **STANDBY** mode.
2. Press any button on the main unit or on the remote control, the amplifier goes to **POWER ON** mode.
3. Press the **POWER** button again to turn off the amplifier, or press on the **STANDBY** button on the remote control to put the device in standby mode.

## Test Tone Checking

1. Press the **TEST TONE** button when the amplifier is in **POWER ON** mode.
2. The amplifier will output a test tone to the 6 speakers in turn.
3. While the test tone is playing use the individual speaker volume buttons to adjust the volume from each speaker.

**Note:** To stop the test tone, press the test tone button again.

## Input Source Selection

1. Press the **SOURCE** button on the amplifier repeatedly to select an input source, or
2. Press the individual **Coaxial DVD, Tuner, Game, TV/VCR or AUX** buttons on the remote control to select the audio input source directly.
3. The corresponding indicator will light. (see the amplifier front panel)

## Volume Adjustment

1. Press the **VOLUME UP/DOWN** buttons to raise/lower **all** speaker's volume, or
2. Press the **Front Left Up/Down Volume button, Front Right Up/Down Volume button, Center Up/Down Volume button, Rear Left Up/Down Volume button, Rear Right Up/Down Volume button** and **Subwoofer Up/Down Volume button** to adjust the individual speaker's volume level.



# Using Amplifier



Before starting using the amplifier, please connect all the audio devices to the device first. Refer to the included *Amplifier Connection Diagram*.

## Equalizer Setting

Press the **NORMAL, CLASSIC, JAZZ, ROCK, POP or DANCE** buttons to select the Equalizer setting you like for listening.

**Note:** The factory default setting is **NORMAL**.

## Night Mode

1. Press the  button on the remote control.
2. The Mute LED on the front panel of the amplifier will flash.
3. The amplifier will automatically lower and balance any sudden burst of loudness from the input source before outputting it.
4. To cancel the function, press the  button again.

## Mute

1. Press the **MUTE** button in **POWER ON** mode.
2. The Mute LED on the front panel of the amplifier will be lit. The sound is turned off.
3. To restore the sound, press any button on the amplifier or on the remote control.

**Note:** This function is used when the amplifier is playing at night to prevent any unexpected loudness.



## Using Amplifier

Before starting using the amplifier, please connect all the audio devices to the device first. Refer to the included *Amplifier Connection Diagram*.

### Stereo Mode

1. Press the **STEREO** button.
2. The amplifier will playback the input source from the **Front Left, Front Right** and the **Subwoofer** speakers.

**Note:** The amplifier will decode and playback whatever was recorded on the DVD or audio CD. If a stereo DVD (2 channel) is loaded, the amplifier will playback the disc according to its sound system automatically. That means the sound will come out of the 2 front speakers plus the subwoofer.

**Note:** If a Dolby Digital (5.1 channel) recorded DVD is loaded, press the **STEREO** button will force the amplifier to manually change and playback the disc as a stereo sound system and the sound will only come out of the 2 front speakers plus the subwoofer.

### Surround Mode

1. Press the **SURROUND** button.
2. The amplifier will playback the input source from the 6 speakers.

**Note:** The amplifier will auto-detect and playback whatever was recorded on the DVD or audio disc. If a Dolby Digital recorded DVD (5.1 channel) is loaded, the amplifier will playback the disc according to its sound system automatically. That means the sound will come out of 5 speakers plus the subwoofer.

**Note:** If a stereo DVD disc (2 channel) or audio CD is loaded, press the **SURROUND** button will force the amplifier to manually change and playback the disc as a 5.1 channel surround system and the sound will come out of all 5 speakers plus the subwoofer.



# Specifications

## Audio-receiver section

Built-in Dolby Digital and Dolby Prologic Decoder

Built-in 75W-5.1Channel Amplifier (Satellite:8Wx5 + SubWoolfer:35W)(HTIB)

With 5.1 Channel Speaker System (Micro Satellite Speakers x5@4ohm, Passive Sub -Woofer x 1 @4ohm)

Main and 6CH-individual channel offset volume adjustment

Automatic test-tone with speaker level adjustment

Audio EQ & 2CH-to-6CH Pro Logic function for external audio input

Night-mode from DRC(dynamic range compression) function

LED Indicator &Game-Port input on the front panel

## Terminal and I/O section

Input-front                      A/V (RCA-Game port) x1

Input-rear                      Audio(RCA-White/Red) x3 (Tuner, TV/VCR,AUX)

Input-rear                      Video (RCA-Yellow) x 1

Input-rear                      Digital audio input (coaxial x 1- RCA-orange)

Output-rear                      6CH Speaker Socket with colour-code label + Video (RCA-Yellow) x1

IR Remote control