

## HDMI Connection

### About HDMI

HDMI (High Definition Multimedia Interface) supports both video and audio on a single digital connection for an easy all-digital output to an HDMI or DI-equipped TV.

Connection to an HDMI TV requires an HDMI cable while connection to a DVI-equipped TV requires a DVI adapter besides a HDMI cable.

HDMI has the capability to support standard, enhanced, or high-definition video plus standard to multi-channel surround-sound audio, HDMI features include uncompressed digital video, a bandwidth of up to 5 gigabytes per second, one connector (instead of several cables and connector), and communication between the AV source and AV devices such as DTVs.

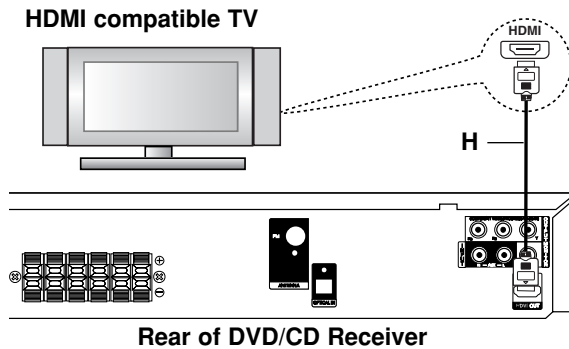
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**If you have a HDMI TV or monitor, you can connect it to this DVD/CD Receiver using a HDMI cable.**

1. Connect the HDMI OUT jack on the DVD/CD Receiver to the HDMI jack on a HDMI compatible TV or monitor (H).
2. Set the TV's source to HDMI (refer to owner's manual for TV).

### Notes on HDMI Out connection

- If your TV does not accept your resolution setting, abnormal picture appears on the screen. ("TV do not support" will appears in screen)  
Please read owner's manual for TV, and then set the resolution that your TV can accept.
- Changing the resolution when the unit is connected with HDMI connector may result in malfunctions. To solve the problem, turn off the unit and then turn it on again.
- When you connect a HDMI or DVI compatible device make sure of the following :
  - Try switching off the HDMI/ DVI device and this unit. Next, switch on the HDMI/ DVI device and leave it for around 30 seconds, then switch on this unit.
  - The connected device's video input is set correctly for this unit.
  - The connected device is compatible with 720X576i(480i), 720X576p(480p), 1280X720p, 1920X1080i or 1920X1080p video input.
  - The 1080p, 720p and 576p(480p) resolutions are the progressive scan applied resolution.
- Not all HDCP-compatible DVI devices will work with this unit.
  - The picture will not be displayed properly with non-HDCP device.



### Resolution setting

You can change the resolution for component video and HDMI output.

Press **SCAN MODE** repeatedly to select the desired resolution - 480i (or 576i), 480p (or 576p), 720p, 1080i, 1080p

The resolution may not be selected depending on the connection or TV.

#### Note:

Depending on your TV, some of the resolution settings may result in the picture disappearing or an abnormal picture appearing. In this case, press **SCAN MODE** repeatedly until the picture re-appears.

You can set 1080p video resolution to enjoy Full HD picture quality. (Full HD up-scaling)

### Available resolution according to connection

**HDMI OUT** - 1080p, 1080i, 720p 480p and 480i

**COMPONENT VIDEO OUT** - 480p and 480i

**VIDEO OUT** - 480i

#### Note:

If your TV does not accept your resolution setting, abnormal picture appears on the screen.

Please read owner's manual for TV, and then set the resolution that your TV can accept.

## AUDIO

Each DVD disc has a variety of audio output options. Set the player's AUDIO options according to the type of audio system you use.



### Dynamic Range Control (DRC)

With the DVD\*1 format, you can hear a program's soundtrack in the most accurate and realistic presentation, thanks to digital audio technology. However, you may wish to compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones). Then, you may listen to a movie at a lower volume without losing clarity of sound. Set DRC to On for this effect.

\*1: Dolby Digital only

### Vocal

Set Vocal to On only when a multi-channel karaoke DVD is playing. The karaoke channels on the disc will mix into normal stereo sound.

### HD AV Sync

When using Digital TV.

Sometimes AV signal could not be transmitted simultaneously because of later transmission of video signal compared to audio signal.

Because it takes some time to convert analogue video signal to digital one in the Digital TV.

And It means that you may not enjoy picture on the screen and sound from speaker at the same time even though it is one scene.

In the HD AV Sync menu, you could adjust delay time to audio signal for simultaneous AV signal transmission

- Delay time could be set up with 10msec unit. (0 ~ 300ms)
- Delay time is different according to each TV Brand. So you need to adjust optimal delay time complying with your TV.

## 5.1 Speaker Setup

Make the following settings for the built-in 5.1 channel surround decoder.

1. Press ENTER, and the 5.1 Speaker Setup menu appears.



2. Use ◀ / ▶ to select the desired speaker.
3. Adjust options using ▲ / ▼ / ◀ / ▶ buttons.
4. Press ENTER to confirm your selection. Returns to the previous menu.

### Speaker selection

Select a speaker that you want to adjust. [Front speaker (Front L), Front speaker (Front R), Center Speaker (Center), Subwoofer (SubWoofer), Rear speaker (Rear L), Rear speaker (Rear R)]

### Note:

Certain speaker settings are prohibited by the Dolby Digital licensing agreement.

### Size

Since the speaker settings are fixed, you cannot change the settings.

### Volume

Press ◀ / ▶ to adjust the output level of the selected speaker. (-5dB ~ 5dB)

### Distance

After you connected speakers to your DVD Receiver, set the Distance between the speakers and your listening point if the distance of Center or Rear speakers is bigger than the distance of Front speakers. This allows the sound from each speaker to reach the listener at the same time.

Press ◀ / ▶ to adjust the Distance of the selected speaker. This distance is equivalent to a difference of the distance between Center or Rear speaker and Front speakers.

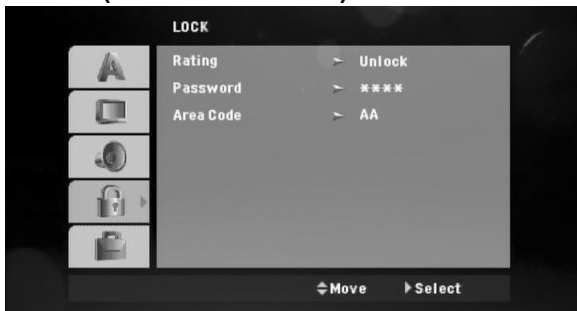
## 5.1 Speaker Setup

### Test

Press ◀ / ▶ to test the signals of each speaker. Adjust the volume to match the volume of test signals memorized in the system.

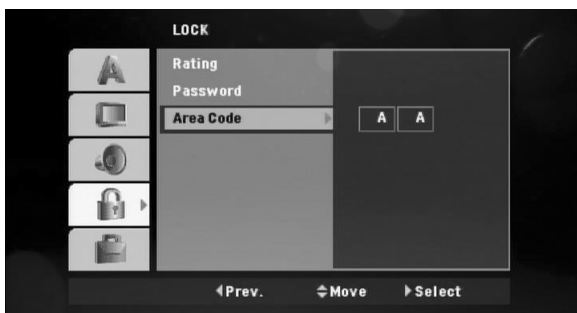
Front Left (Front L) → Center → Front Right (Front R) → Rear Right (Rear R) → Rear Left (Rear L) → SubWoofer

### LOCK (Parental Control)



#### Initial Setting the Area Code:

See the Area Codes on page 21.



1. Select the LOCK menu and then press ▶.
2. To access the LOCK options, you must input the password you have created. Input a password and press ENTER. Enter it again and press ENTER to verify. If you make a mistake before pressing ENTER, press CLEAR.
3. Select the first character using ▲ / ▼ buttons.
4. Press ▶ and select the second character using ▲ / ▼ buttons.
5. Press ENTER to confirm your Area code selection.

### Rating

Blocks playback of rated DVDs based on their contents. Not all discs are rated.

1. Select "Rating" on the LOCK menu then press ▶.
2. Input a password and press ENTER.
3. Select a rating from 1 to 8 using the ▲ / ▼ buttons.  
**Rating 1-8:** Rating one (1) has the most restrictions and rating eight (8) is the least restrictive.  
**Unlock:** If you select unlock, parental control is not active and the disc plays in full.
4. Press ENTER to confirm your rating selection, then press SETUP to exit the menu.

### Password

You can enter or change password.

1. Select Password on the LOCK menu and then press ▶.
2. Follow the step 2 as shown above (Rating). To change the password, press ENTER when the "Change" option is highlighted. Input a password and press ENTER. Enter it again and press ENTER to verify.
3. Press SETUP to exit the menu.

#### If you forget your password

If you forget your password, you can clear it using the following steps:

1. Press SETUP to display the Setup menu.
2. Select the LOCK menu.
3. Input the 6-digit number "210499" and press ENTER. The password is cleared.

### Area Code

Enter the code of the area whose standards were used to rate the DVD video disc, based on the list on page 21.

1. Select "Area Code" on the LOCK menu then press ▶.
2. Follow the step 2 as shown previous paragraph (Rating).
3. Select the first character using ▲ / ▼ buttons.
4. Press ENTER and select the second character using ▲ / ▼ buttons.
5. Press ENTER to confirm your Area code selection.

### OTHERS



This option has no selection on this set.