■AUDIO SYSTEM

1. Description

- A Bluetooth® audio system* has been provided.
- A USB adapter has been provided in addition to the conventional external input terminal AUX to play the audio data of various media (USB type) on the vehicle audio.
- Due to the introduction of the USB adapter and the Bluetooth® audio system, a new audio head unit has been provided.
- The Rear Seat Entertainment System (RSED) is provided as standard on the Chinese VX grade models and is optional on Australian models.

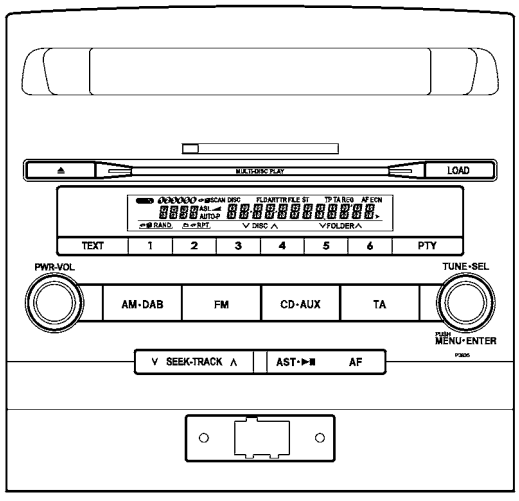
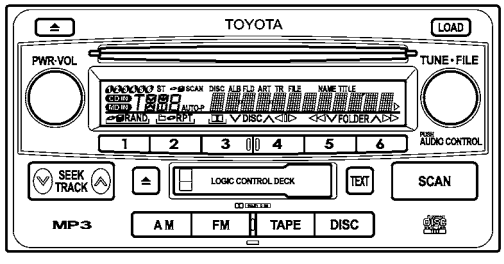


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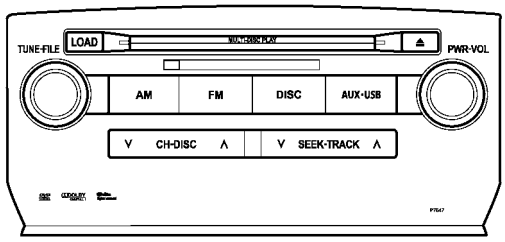
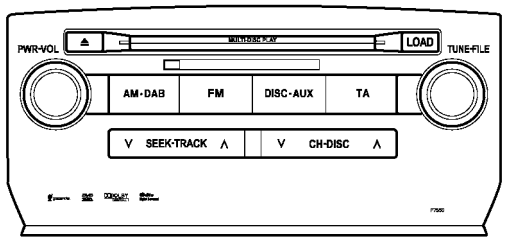
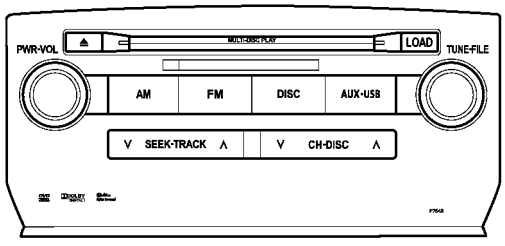
Bluetooth is a trademark owned by Bluetooth SIG, Inc.

*: Except Models for General Countries.

▶ Audio Head Unit ◀

Design	Specifications	Application
 081BE202S	● AM/FM Tuner ● In-Dash 6- CD Changer ● Bluetooth® Audio System*1 ● RBDS*2 function/DSP*3/ASL*4 ● 9-Speaker System ● Manufacturer: Pioneer (Head Unit, Stereo Amplifier, Speaker) ● AUX Adapter ● USB Adapter	Standard*5
 081MO33TE	● AM/FM Tuner ● In-Dash 6-CD Changer ● Cassette Player ● 6-Speaker System ● Manufacturer: Panasonic (Head Unit)	Standard*6

(Continued)

Design	Specifications	Application
 081BE204S	● Multi Display ● AM/FM Tuner ● In-Dash 6-DVD Changer (MP3, WMA Compatible*7) ● Bluetooth® Audio System*1 ● RBDS*2 function/DSP*3/ASL*4 ● 9-Speaker System ● Manufacturer: Pioneer (Head Unit, Stereo Amplifier, Speaker) ● AUX Adapter ● USB Adapter	Standard*8 Option*9
 081BE203S	● Multi Display ● AM/FM Tuner ● In-Dash 6-DVD Changer (MP3, WMA Compatible*7) ● Bluetooth® Audio System*1 ● RBDS*2 function/DSP*3/ASL*4 ● 14-Speaker System ● Manufacturer: Pioneer (Head Unit) and JBL (Stereo Amplifier, Speaker) ● AUX Adapter ● USB Adapter	Option*5
 081BE205S	● Multi Display ● AM/FM Tuner ● In-Dash 6-DVD Changer (MP3, WMA Compatible*7) ● Bluetooth® Audio System*1 ● RBDS*2 function/DSP*3/ASL*4 ● 14-Speaker System ● Manufacturer: Pioneer (Head Unit) and JBL (Stereo Amplifier, Speaker) ● AUX Adapter ● USB Adapter	Option*10

*1: Models with Bluetooth® Audio System
*2: Radio Broadcast Data System
*3: Digital Sound Processor
*4: Auto Sound Levelizer
*5: Models for Europe
*6: Models for G.C.C. Countries, China (except VX grade models) and General Countries
*7: Compatible with the compressed sound and music files complying with MP3 (MPEG Audio Layer-3) standard and WMA (Windows Media Audio)
*8: Models for Chinese VX grade
*9: Models for Australia
*10:Models for G.C.C. Countries

2. Bluetooth® Audio System

The Bluetooth® audio system enables users to enjoy music played on portable players or cellular telephones (with built-in audio player) from the vehicle speakers via wireless communication.

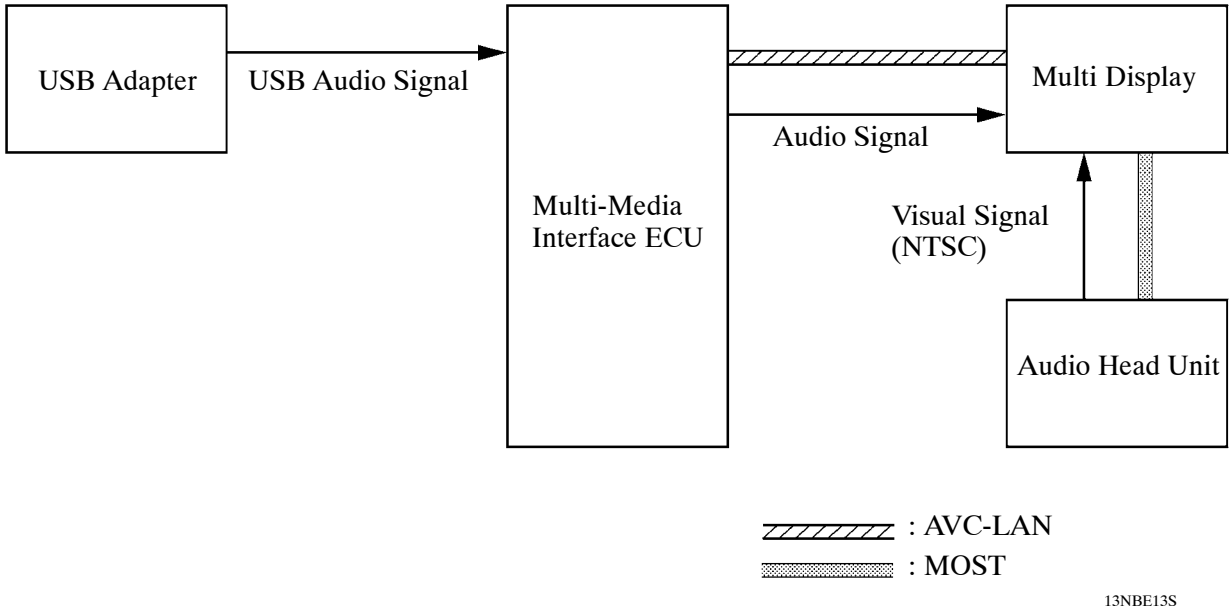
NOTE: The cellular phone or portable player must correspond to the following specifications in order to be connected to the Bluetooth® audio system. However, note that some functions may be limited depending on the type of portable player.
The following profiles must be supported:

- Advanced Audio Distribution Profile (A2DP) Version 1.0
- Audio/Video Remote Control Profile (AVRCP) Version 1.0 or higher (Version 1.3 or higher recommended)

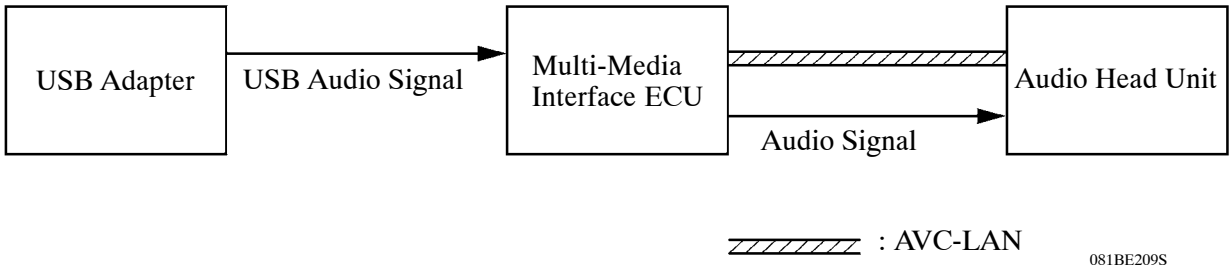
3. USB Adapter

- A USB adapter has been provided next to the conventional AUX adapter on the front console as an external input terminal.
- For models with the navigation system, the USB audio signal input from the USB adapter is output to the multi-media interface ECU. The multi-media interface ECU converts the audio signal to the audio applicable data and outputs it to the multi-display. In addition, the USB information is output to the multi-display via the AVC-LAN. The audio signal is output from the multi-display via the MOST communication system. Visual Signal (NTSC) is out put from the audio head unit to the multi display.
- For models without the navigation system, the USB audio signal input from the USB adapter is output to the multi-media interface ECU. The multi-media interface ECU converts the audio signal to the audio applicable data and outputs it to the audio head unit. In addition, the USB information is output to the audio head unit via the AVC-LAN.

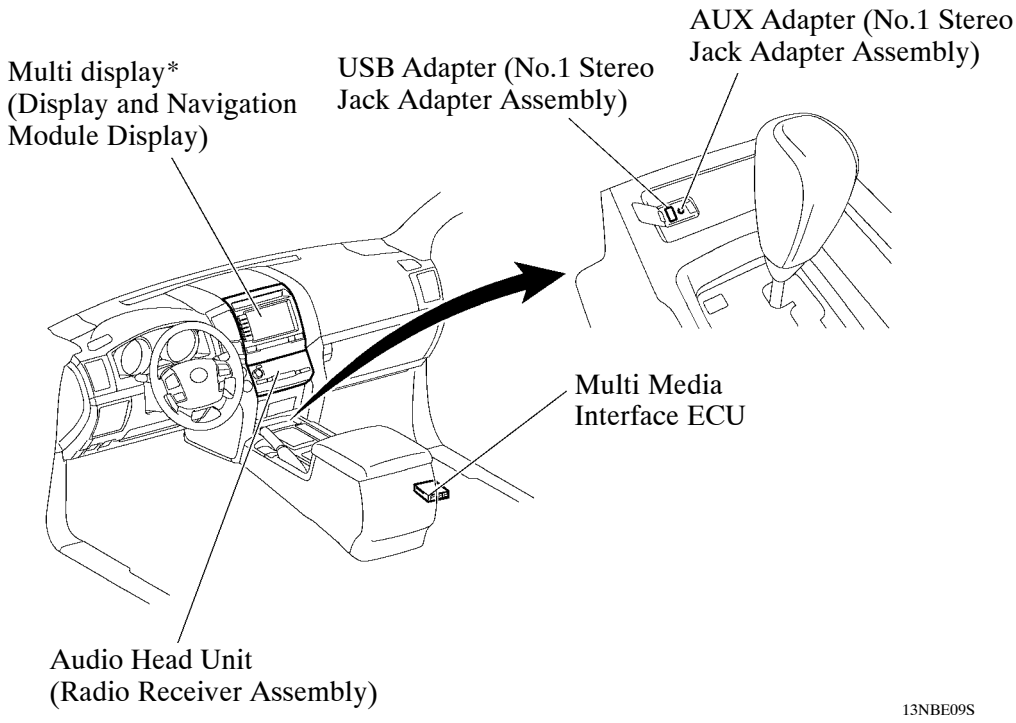
▶ System Diagram (Models with Navigation System) ◀



▶ System Diagram (Models without Navigation System) ◀



Layout of Main Components

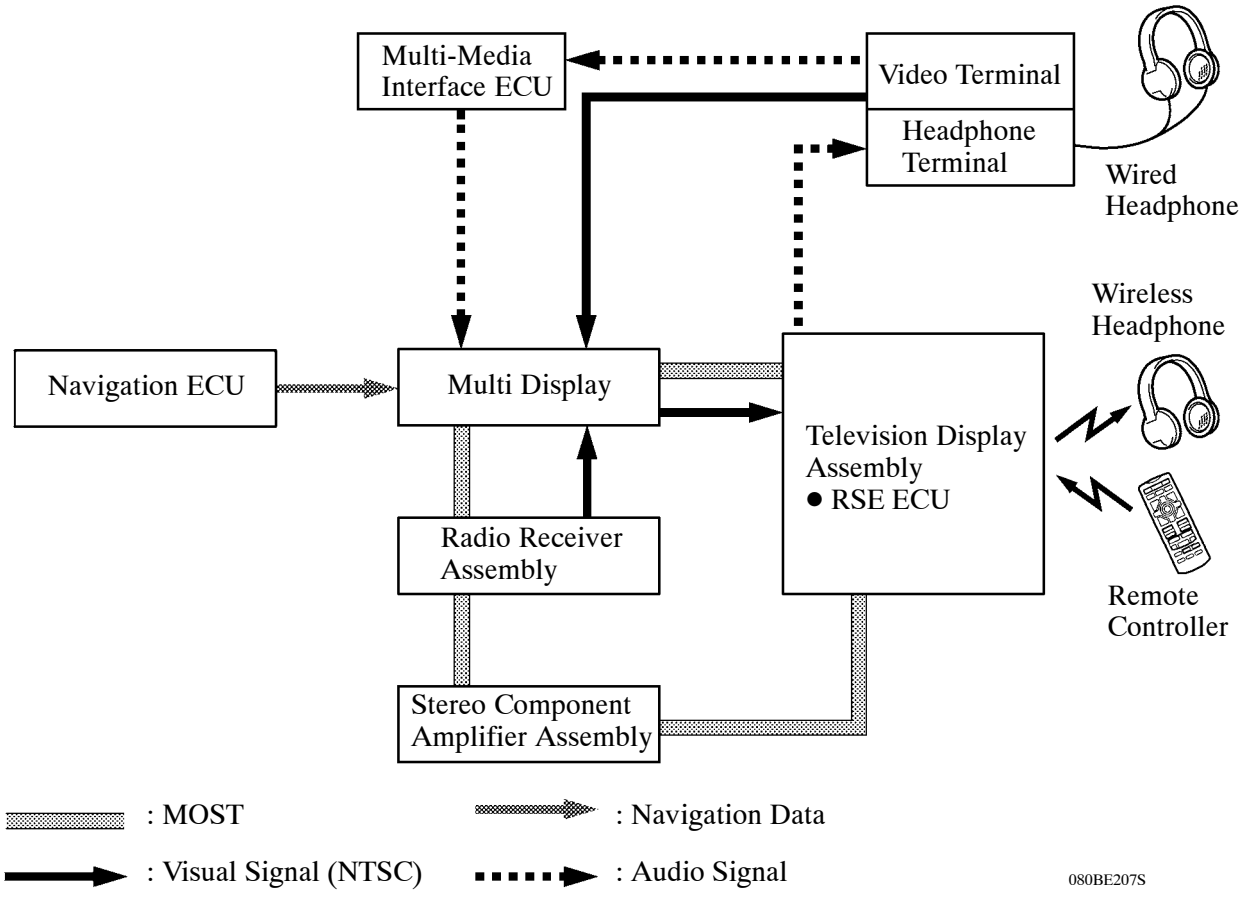


*: Models with Navigation System

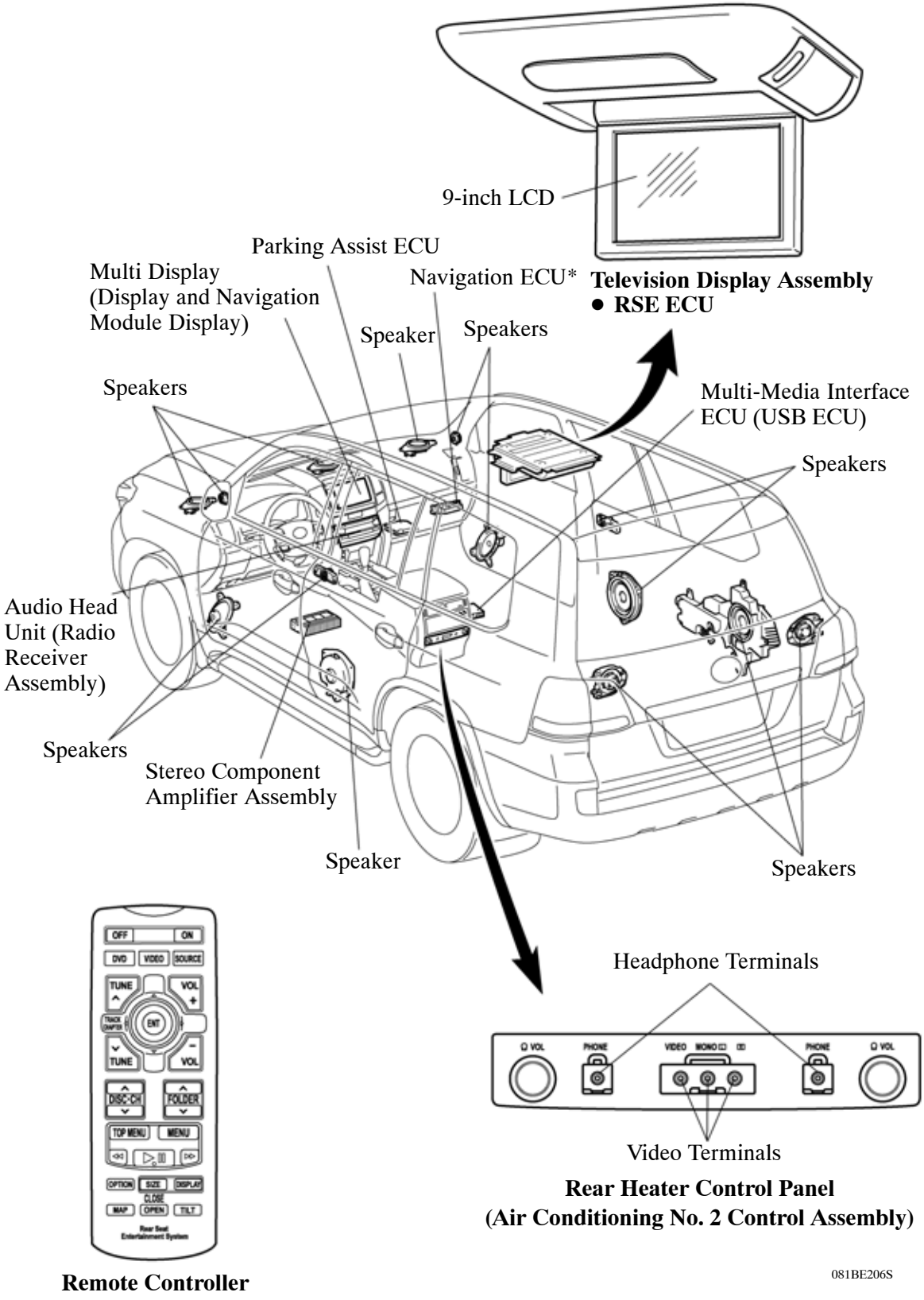
4. Rear Seat Entertainment System (RSES)

- This system consists of multi display, remote controller, navigation ECU, television display assembly, radio receiver assembly, stereo component amplifier assembly, wired headphone, and wireless headphone.
- It uses a 9-inch television display to provide impressive video images to the rear seat occupants.
- The RSES is controlled by the television display assembly with a built-in RSE ECU.
- It supports the DVD-V, DVD-A, video-CD, CD-DA, dts CD, CD-TEXT, MP3 (MPEG Audio Layer-3) system, and WMA (Windows Media Audio).
- Rear seat passengers can enjoy the same images as those in the multi display and also can select what to display on the screen independently.
- The maximum opening angle of the television display is 120°, which increases the viewing range in the downward direction.
- The rear display can be opened, closed or tilted by using the remote controller. The display can be tilted at 4 angles: 90°, 100°, 110°, and 120°.
- When the RSES is ON, and the engine switch is turned off, the RSES will also turn OFF. When the engine switch is turned back on (ACC or IG), the RSES will automatically turn ON. At this time, the RSES can resume playing the video image from the point the engine switch was turned off.
- A child lock function is provided to disable the operation of the RSES through the remote controller. Turning ON the Rear System Lock displayed on the multi display activates this function.

▶ System Diagram ◀



Layout of Main Components



*: Models with DVD Navigation System

Function of Main Components

Component	Function
Television Display Assembly	● Includes the RSE ECU and controls the RSES. ● Receives signals from the remote controller and switches modes. ● Displays a map screen in accordance with the signals from the navigation ECU. ● Outputs audio signals to the wireless headphones in the form of infrared signals. ● Displays the audio-visual control screen. ● Displays the adjustment screen. ● Displays the diagnosis screen.
Multi Display	● Outputs the map screen indication signal to the navigation ECU. ● For details of the multi display, see page 9 in the Multi display section.
Radio Receiver Assembly	● Includes a built-in DVD changer (player) and transmits audio and visual signals to the multi display. ● Outputs audio signals to the stereo component amplifier assembly.
Multi-Media Interface ECU	● Outputs audio signals from the video terminal to the multi display via the multi-media interface ECU.
Navigation ECU	● Plays navigation DVDs*. ● Outputs visual signals to the television display assembly.
Parking Assist ECU	Receives visual signals from the television display assembly and transmits them to the multi display.
Remote Controller	Outputs various control signals of the RSES to the television display in the form of infrared signals.
Video Terminal	This terminal is for connecting the video player's video and audio output terminals.
Headphone Terminal	● Outputs audio signals to the wired headphones that are connected. ● Adjusts the volume of the wired headphones in accordance with volume control.
Wireless Headphone	● Receives the audio signals from the television display assembly in the form of infrared signals. ● Volume adjustment of the wireless headphone can be done by using the volume equipped on the wireless headphone.

*: Models for G.C.C. countries and Australia