Use this manual if you encounter any problems, or have any questions.

Getting started

Checking the package contents

Parts and controls

- WH-L600R Headphones
- TMR-L600 Processor

Power

- Charging the headphones/Connecting the processor to the wall outlet
- Turning on the processor
- Setting the processor to standby mode
- Turning off the processor
- Turning on the headphones
- Turning off the headphones

Making connections
Notes on HDMI connections

What is ARC?

Connection example 1: Connecting to ARC-equipped TV

Connection example 2: Connecting to TV not equipped with ARC (connecting to a TV with an optical digital cable)

Connection example 3: Connecting to TV using an analog audio cable (sold separately)

Notes on connections

- When connecting using OPTICAL IN jack (optical digital audio input)

Enjoying audio and video entertainment

Watching TV programs

Switching connected device you want to listen to

Using HDMI devices efficiently

The audio output settings of the connected devices

When you finished using the system

Selecting the audio effects

- Setting the sound field mode (SOUND FIELD button)
- Setting the matrix decoder (MATRIX switch)
- Selecting a dynamic range (COMPRESSION switch)

Others

Audio format supported by the processor

Warning beeps and operation beeps of the headphones

The auto power off function

Important information

Precautions

Headphones and earpads

RF signal transmission area

The surround sound effect

On cleaning

Copyrights

Customer support websites
## Troubleshooting

### What can I do to solve a problem?

### Table of contents for symptoms and possible causes

#### Sound
- **TV sound is not output from the headphones**
- **Sound of devices other than the TV is not output from the headphones**
- **The CTRL FOR HDMI switch is set to “ON,” but the headphones volume cannot be adjusted from the remote control of the TV.**
- **Distorted or intermittent sound (sometimes with noise)**
- **Low sound**
- **The surround sound effect is not obtained**
- **The audio is not played back in the desired audio format.**
- **Beeps are heard from the headphones.**
- **The 7.1-channel surround sound is not obtained.**

#### Power/Charging
- **The processor does not turn on even when the TV is turned on.**
- **The battery cannot be charged; the charge indicator flashes.**
- **The processor does not turn off even the TV is turned off.**
- **The processor turns off when you turn off the TV.**

#### Others
- **Wireless LAN of the TV is difficult to connect.**
- **The Control for HDMI function does not work properly.**
- **If the system does not operate properly**
Checking the package contents

After opening the package, check that all items in the list are included in the package. If items are missing, contact your dealer.

Numbers in ( ) indicate the item amount.

Processor (1)
Headphones (1)
AC adaptor (for processor, DC 12 V) (1)
AC power cord (1) (*)
Optical digital cable (optical rectangular plug × optical rectangular plug, 1.5 m) (1)
Operating Instructions (1 set)
Reference Guide (1 set)
Other documents (1 set) (*)

* May not be supplied in some countries or regions.
WH-L600R Headphones

1. Charging terminal
   Place the headphones on the processor aligning each of the charging terminals to charge the headphones.

2. Tactile dot (to distinguish the left side)
   Be sure to match the left (L) and right (R) side of the headphones with your ears.

3. Power/Charge indicator
   This indicator lights up in green when the power is on, and lights up in red while the headphones are being charged.

4. POWER (power) button
   Press the button for about 2 seconds to turn the headphones on or off.

5. VOL (volume) +/- button
   Adjusts the volume.

6. SOUND FIELD button
   Allows you to select a sound field.
TMR-L600 Processor

1. GAIN switch
   Adjust the gain of analog audio input signals.

2. AUDIO IN jack
   Inputs analog audio signals.

3. OPTICAL IN jack
   Inputs optical audio signals.

4. HDMI (ARC) jack
   Inputs HDMI signals. This jack is compatible with ARC (Audio Return Channel).

5. DC IN 12V jack
   Connect the supplied AC adaptor to this jack.

6. Charging terminal
   Place the headphones on the processor aligning each of the charging terminals to charge the headphones.

7. (power) button/Power indicator
   The processor turns on or enters standby mode alternately as you press the button. Hold the button down for 3 seconds or more to turn off the processor completely (power off).
   This indicator lights up in white when the power is turned on, in orange in standby mode, and turns off when the power is off.

8. SOUND FIELD button
   Allows you to select a sound field.
9. INPUT button
   Allows you to select an input.

10. DECODE INFO indicators
    The indicator of the selected decoder lights up.

11. SOUND FIELD indicators
    The indicator of the selected sound field mode lights up.

12. INPUT indicators
    The indicator of the selected input lights up.

13. CTRL FOR HDMI switch
    Sets the Control for HDMI function to on or off.
    Set the switch to ON when the processor is connected to the HDMI (ARC) jack on the TV with an HDMI cable.

14. MATRIX switch
    Sets the matrix decoder* function to on or off.
    * The matrix decoder expands audio input signals to a multi-channel format of up to 7.1 channels. This is enabled when the MATRIX switch is set to “ON” and the sound field mode is CINEMA, GAME or SPORTS.

15. COMPRESSION switch
    Allows you to select a dynamic range.
Charging the headphones/Connecting the processor to the wall outlet

The headphones contain a lithium ion rechargeable battery, which should be charged before using the headphones for the first time.

1 Connect the processor to the wall outlet with supplied AC adaptor.

A: AC adaptor (supplied)
B: To the wall outlet

* The shape of the AC adaptor differs depending on the country or region.

2 Place the headphones on the charging terminal of the processor.
You can charge the headphones regardless of the left or right orientation.

A: The charge indicator is lit in red during charging.
B: The charging indicator turns off when charging is completed.
When the charge indicator turns off, remove the headphones from the processor.

Charging and usage time

<table>
<thead>
<tr>
<th>Approximate charging time</th>
<th>Approximate usage time*1</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 hours*2</td>
<td>17 hours*3</td>
</tr>
<tr>
<td>20 minutes*4</td>
<td>2 hours*3</td>
</tr>
</tbody>
</table>

*1 At 1 kHz, 1 mW + 1 mW output
*2 Time required to fully charge an empty battery
*3 Time may vary, depending on the temperature or conditions of use.
*4 Time spent to charge an empty battery

Charge the battery of the headphones under following situations.

- The headphones sound a long beep (about 2 seconds) and turn off.
- The power/charge indicator of the headphones is dim or does not light up.
- Sound is interrupted.

**Note**

- Charge the battery in an ambient temperature of between 5°C and 35°C (41°F and 95°F). If you charge it outside the recommended temperature range, the charge indicator flashes and the battery may not be charged.
- The POWER (power) button of the headphones and the (power) button of the processor are not available during charging.
- If you do not use the headphones for a long period of time, the life of the rechargeable battery may become short. It improves when you repeat the charging and discharging process several times.
- If you store the headphones for more than a year, charge the battery once a year to prevent over-discharge.
- If the length of time you can use the headphones became extremely short, the rechargeable battery should be replaced with a new one. Please contact your nearest Sony dealer for a battery replacement.

**Related Topic**

- WH-L600R Headphones


**Turning on the processor**

1. **Remove the headphones from the processor.**
   
   The power indicator of the processor lights up in white and the processor turns on automatically.

   ![Image of headphones and processor]

   You can also turn the processor on by pressing the (power) button when the headphones are not placed on the charging terminal of the processor.

   **Hint**
   
   - While the processor's power is off (the power indicator is off), the processor turns on or enters standby mode alternately as you press the (power) button.
   
   - When the headphones are turned on while the processor is in standby mode, the processor is also turned on.

   **Note**
   
   - If the processor has been turned off (the power indicator is not lit), it does not turn on when you turn on the headphones. Press the (power) button on the processor to turn it on.

**Related Topic**

- TMR-L600 Processor
- Turning off the processor
Setting the processor to standby mode

1 Press the (power) button shortly without placing the headphones on the charging terminal of the processor.

   The power indicator lights up in orange.

Power saving function of the processor

The processor enters standby mode automatically when you turn off the headphones and leave it for about 5 minutes.

**Hint**

- The processor turns on or enters standby mode alternately as you press the (power) button.
- When the headphones are turned off while the power of the processor and headphones are on, the processor enters standby mode.

**Related Topic**

- Turning on the processor
Turning off the processor

If you are not using the system for the time being or for a long time, you can reduce the power consumption of the system, if necessary.

1. Place the headphones on the charging terminal of the processor.
   The power indicator of the processor turns off.

   When the headphones are not placed on the charging terminal of the processor, you can also turn the processor off by pressing the \( \text{ } \) (power) button of the processor for 3 seconds or more until the power indicator turns off.

   **Hint**
   - When the processor and headphones are on, if no signal is input to the selected input jack and no operation is attempted on the system for 20 minutes or more, the processor turns off automatically. (It may take 20 minutes or more or it may not function due to noise.)

**Related Topic**
- Turning on the processor
- Setting the processor to standby mode
- Using HDMI devices efficiently
Turning on the headphones

1. Remove the headphones from the processor and press the POWER (power) button on the headphones for about 2 seconds.

   The power/charge indicator lights up in green.

Related Topic

- Turning off the headphones
Turning off the headphones

1. Place the headphones on the charging terminal of the processor.
   The headphones are turned off and the power/charge indicator lights up in red.

You can also turn off the headphones by pressing the POWER (power) button on the headphones for about 2 seconds. (The power/charge indicator turns off.)

Power saving function of the headphones
The headphones turn off automatically in the following situations.

- About 5 minutes pass after the processor enters standby mode or the headphones cannot receive the signals from the processor.
- Battery of the headphones is low.

Related Topic
- Turning on the processor
Notes on HDMI connections

- Use an HDMI-authorized cable. Use a Sony High Speed HDMI cable supporting Ethernet with Cable Type Logo.
- Check the setting of the connected device via the HDMI cable if the sound of the device is not output. Also, refer to “TV sound is not output from the headphones” and “Sound of devices other than the TV is not output from the headphones” if the sound is not output.
- Audio signals (sampling frequency, bit length, etc.) transmitted from an HDMI jack may be suppressed by the connected device.
- Sound may be interrupted when the sampling frequency or the number of channels of audio output signals from the playback device is switched.
What is ARC?

The system supports Audio Return Channel (ARC). The ARC function sends TV sound from a TV's HDMI input jack to an AV device (this system, an AV amplifier, or a sound bar, etc.) via an HDMI cable.

To check whether your TV supports ARC or not

If you can find “ARC” printed near an HDMI input jack on your TV, your TV supports ARC. If you are not sure, refer to the manual supplied with your TV, or contact the manufacturer of your TV.

Note on connection of the processor and a TV

The connection method to be used between the processor and your TV differs, depending on whether your TV supports ARC or not.

If your TV supports ARC and you want to use the ARC function on the processor, connect them as shown in “Connection example 1: Connecting to ARC-equipped TV.”

You may need to make the setting for the digital audio output on your TV. In this case, see the manuals supplied with the devices connected to the TV.

Hint

- Normally, only the Number 1 jack of the HDMI input jacks on a TV supports ARC. Make sure that you are connecting the processor to the correct HDMI input jack on the TV.
Connection example 1: Connecting to ARC-equipped TV

The following is the connection method when you listen to audio of an ARC-equipped TV with the headphones. To connect the processor to a TV which does not equip ARC, see “Connection example 2: Connecting to TV not equipped with ARC (connecting to a TV with an optical digital cable).”

1. Set the CTRL FOR HDMI switch to “ON” on the side of the processor.

   ![CTRL FOR HDMI switch](image)

2. Connect the processor to the TV.

   1. Connect the processor’s HDMI OUT jack and the TV’s HDMI jack with the “ARC” mark using a high speed HDMI cable supporting Ethernet (sold separately).
      
      If a device is already connected to the HDMI (ARC) jack on the TV, disconnect it and reconnect to the other HDMI input jack.

   2. Connect the supplied AC adaptor to the wall outlet.
Turn off the processor before you operate the CTRL FOR HDMI switch.

A: TV audio
B: To the wall outlet

* The shape of the AC adaptor differs depending on the country or region.

3 Connect other devices such as a Blu-ray Disc/DVD player or game device to the TV.
Related Topic

- Watching TV programs
- Switching connected device you want to listen to
Connection example 2: Connecting to TV not equipped with ARC (connecting to a TV with an optical digital cable)

The following is the connection method when you listen to audio of a TV which is not equipped with ARC. To connect the processor to an ARC-equipped TV, see “Connection example 1: Connecting to ARC-equipped TV”.

1. Connect the optical digital output on the TV to the processor's OPTICAL IN jack with the optical digital cable (supplied).
2. Connect the supplied AC adaptor to the wall outlet.
3. Connect other devices such as a Blu-ray Disc/DVD player or game device to the TV.

Related Topic
- Watching TV programs
- Switching connected device you want to listen to
Connection example 3: Connecting to TV using an analog audio cable (sold separately)

The following is connecting method when you listen to audio of a TV without HDMI input jacks which supports ARC and optical digital audio output jacks with the headphones.

A: TV with analog audio output
B: TV audio
C: To the wall outlet
* The shape of the AC adaptor differs depending on the country or region.

1. Connect the processor’s AUDIO IN jack to the TV’s analog audio output jack with an analog audio cable (stereo mini plug → stereo mini plug, sold separately).

   Stereo mini plug → stereo mini plug

2. Connect the supplied AC adaptor to the wall outlet.

3. Connect other devices such as a Blu-ray Disc/DVD player or game device to the TV.

Hint
- In this case, set the volume on the connected device at a medium level. Noise can occur if the volume on the device is set too low.
Related Topic

- Watching TV programs
- Switching connected device you want to listen to
When connecting using OPTICAL IN jack (optical digital audio input)

- You may need to make optical digital output settings on the device connected to the OPTICAL IN jacks of the processor. Refer to the manual supplied with the device.
- Connecting the OPTICAL IN jack on the processor to an optical digital output on your computer is not guaranteed to work.

Notes on handling the optical digital cable

- Do not drop objects on the optical digital cable or expose the cable to shock.
- Grasp the plug to connect or disconnect the cable carefully.
- Be sure that the ends of the optical digital cable are kept clean. Dust at the ends of the cable can degrade performance.
- When storing the cable, be careful not to fold or bend the optical digital cable with a bend radius less than 25 mm (1 in).

A: The bend radius of the optical digital cable should be no less than 25 mm (1 in).
Watching TV programs

1 Turn on the processor and the TV.

If the headphones are placed on the charging terminal of the processor, they turn on automatically when removed from the charging terminal.

If the headphones are not placed on the charging terminal of the processor, press the (power) button on the processor.

2 Select a TV program using the TV's remote control.

3 Press the INPUT button on the processor repeatedly to change the input according to the connected TV.

4 Set the audio output setting on the TV to a setting other than the speakers of the TV.

5 Turn on the headphones, put them on, and adjust the volume.
**Note**

- Connect the processor and TV with an appropriate method according to the TV you are watching. For details, see the Related Topic below.
- Use the headphones within the signal transmission range.
- Make sure not to turn up the volume too much during the quiet scenes of the movie. It may damage your ear when there is sudden increase of volume (such as a scene with an explosion).

**Related Topic**

- Turning off the processor
- Turning on the headphones
- Connection example 1: Connecting to ARC-equipped TV
- Connection example 2: Connecting to TV not equipped with ARC (connecting to a TV with an optical digital cable)
- Connection example 3: Connecting to TV using an analog audio cable (sold separately)
- RF signal transmission area

4-732-288-11(3) Copyright 2018 Sony Corporation
Switching connected device you want to listen to

You can listen to audio of digital devices such as a Blu-ray Disc/DVD player, PlayStation®4, or other AV devices connected with a TV with the headphones.

1 Turn on the processor and devices whose contents you want to view.

2 Select an input on the processor and the TV.

- Press the INPUT button on the processor repeatedly to switch the input to the TV's input you have connected.
- Set the TV input to the connected device which you want to listen to.
- Check the audio output settings on the Blu-ray Disc/DVD player, PlayStation®4, or other devices.

3 Start playback on the device whose contents you want to view.
Turn the headphones on, put it on, and adjust the volume.

Note
- Use the headphones within the signal transmission range.
- Make sure not to turn up the volume too much during the quiet scenes of the movie. It may damage your ear when there is sudden increase of volume (such as a scene with an explosion).

Related Topic
- Using HDMI devices efficiently
- RF signal transmission area

4-732-288-11(3) Copyright 2018 Sony Corporation
Using HDMI devices efficiently

The Control for HDMI function of the system complies with the Consumer Electronics Control (CEC) standards. If you connect a TV, Blu-ray Disc recorder or PlayStation®4 that supports the CEC with HDMI cables, you can operate the processor with the TV’s remote control.
Set the CTRL FOR HDMI switch to “ON.”
Also, set the Control for HDMI function of the TV connected to processor and devices connected to the TV to enable.
The following functions are available with the Control for HDMI function.

- Power off interlock function
- System audio control
- One-touch play

**Note**
- These functions may be able to be used with devices other than Sony products. We cannot guarantee the devices will work properly.

Turning off the processor and connected devices at the same time when turning off the TV (Power off interlock function)
When the processor's input is “HDMI” and TV is turned off, the processor and connected devices turn off in conjunction with it. The power indicator of the processor turns from white to orange and processor enters standby mode. However, the headphones do not turn off in conjunction.

Watching the contents of the connected devices with simple operation (One-touch play)
When you play back contents on a connected device (Blu-ray Disc recorder, PlayStation®4, etc.), the processor and TV turn on automatically, input of the processor switches to HDMI, and sound is output from the headphones. Depending on the TV, the very beginning of the audio and video may not be output.

Listening to TV sound on the system (System audio control)
This function enables the following:

- TV sound is output from the headphones when you watch TV and turn on the processor.
- Volume of the headphones can be adjusted with the TV’s remote control.
- When you turn on the TV, the processor is also turned on and sound is output from the headphones.
- Depending on the TV, the volume level of the headphones appears on the TV screen.

You can make the setting from the TV’s menu. For more details, refer to the manual supplied with your TV.

**Hint**
- When the audio output setting switches to the speakers of the TV, sound cannot be output from the headphones, regardless of the processor’s input. When you want to output the sound from the headphones, press the VOL (volume) + button on the headphones.

**Note**
- The headphones do not turn on automatically. Press the POWER (power) button on the headphones.
- The processor does not turn on if the headphones are placed on the charging terminal of the processor and sound is output from the TV.
Depending on the TV, if sound was being output from the TV speakers when you previously turned off the TV, the processor may not turn on in conjunction with the TV in the following situations.

- When the contents of the connected device are played back.
- When the TV is turned on.

Related Topic

- The audio output settings of the connected devices
- Setting the matrix decoder (MATRIX switch)
- Selecting a dynamic range (COMPRESSION switch)
The audio output settings of the connected devices

Set the digital audio output on the TV connected to the HDMI (ARC) jack, the TV connected using an optical digital cable, or connected devices, such as Blu-ray Disc player, so that sound processed in “Dolby Digital” or “DTS” format is output. You may need further settings to output multi-channel surround sound. For details, refer to the manual supplied with the TV or devices.
When you finished using the system

1. Place the headphones on the charging terminal of the processor.
   The processor and the headphones are turned off automatically and the sound of the device will be output from the TV automatically.

Hint
- You can also turn off the headphones by pressing the POWER (power) button on the headphones for about 2 seconds. In this case, the processor becomes standby mode automatically. To turn off the processor press and hold the (power) button for 3 seconds or more.
- If sound is not output from the TV automatically, set the audio output setting to the speakers of the TV. For details on the setting, refer to the manuals supplied with the TV.

Note
- If you disconnect the AC adaptor from the processor before turning off the headphones, noise may result.
Setting the sound field mode (SOUND FIELD button)

You can select your favorite sound field mode according to the playback programs and contents. This allows you to enjoy a feeling similar to being present in a movie theater, etc.

**1 Press the SOUND FIELD button on the processor repeatedly.**

Each time you press the button, the sound field mode changes as shown below and the SOUND FIELD indicator of the processor lights up. Select the desired mode.

A: Off

- You may also use the SOUND FIELD button on the headphones.

The sound field and suitable sound source

**CINEMA:**
Provides a surround-sound environment with a more natural sound quality (particularly in dialog).
Produces a high sound quality that is found in the latest movie theaters.
Suitable for watching cinema.

**GAME:**
Creates an accurate spatial sound and provides a clear sense of direction.
Produces powerful and realistic sound for multi-channel surround sound video games.
Suitable for video games with multi-channel sound sources.

**SPORTS:**
Create the most suitable sound field to watch sports played in a stadium.
You can enjoy the atmosphere as if watching a sports game in a stadium.

**VOICE:**
Produces a clearer announcer’s voice.
Normal stereo sound, not virtual surround of CINEMA and GAME.
Suitable for news programs.

**Off:**
Normal playback of the headphones.
**Note**

- The volume of the headphones may vary, depending on the input signal and the sound field mode.

---

**Related Topic**

- WH-L600R Headphones
- The surround sound effect
Setting the matrix decoder (MATRIX switch)

Allows you to change on/off of the matrix decoder.*
* The matrix decoder expands audio input signals to a multi-channel format of up to 7.1 channels. This is enabled when the MATRIX switch is set to “ON” and the sound field mode is CINEMA, GAME or SPORTS.

1 Set the MATRIX switch on the side of the processor to “ON.”

![Image of processor with MATRIX switch on](image)

Audio processing type and effects

ON:
Process the audio signal using Dolby Pro Logic IIx. Expands the input sound of 2-channel or 5.1-channel sound up to the 7.1-channel surround format by adding surround-back channels (L/R).

OFF:
Turns off the matrix decoder.

**Note**
- Depending on the audio format input to the processor, such as DTS format of 5.1-channel, the matrix decoder may not work even if the MATRIX switch is set to “ON.”

Related Topic
- Setting the sound field mode (SOUND FIELD button)
Selecting a dynamic range (COMPRESSION switch)

1. Set the COMPRESSION switch to “ON” on the side of the processor.

Playback effect

ON:
With the sound field mode selected with the SOUND FIELD button (including when the indicator is off), this function maintains the overall level of program material: explosive sounds are attenuated while lower level sounds (dialog, etc.) are enhanced. Effective for audio signals with a wide dynamic range such as movies and classical music.

OFF:
The sound field mode changes to the effect selected with the SOUND FIELD button.

Illustration of the compression process

1. Dynamic range compression by DSP that is built in the processor
2. Startling level
3. Easy to hear level
4. Difficult to hear level

Hint
- When “ON” or “OFF” is switched, the average volume level may change. In this case, adjust the volume again.
Audio format supported by the processor

List of the supported audio format

<table>
<thead>
<tr>
<th>Audio format</th>
<th>Maximum number of channels</th>
<th>Supported by this system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dolby Digital</td>
<td>5.1</td>
<td>✓</td>
</tr>
<tr>
<td>Dolby Digital EX</td>
<td>6.1</td>
<td>✓</td>
</tr>
<tr>
<td>DTS</td>
<td>5.1</td>
<td>✓</td>
</tr>
<tr>
<td>Multi-channel Linear PCM</td>
<td>2</td>
<td>✓</td>
</tr>
</tbody>
</table>
**Help Guide**
Digital Surround Headphone System
WH-L600

**Warning beeps and operation beeps of the headphones**

The status of the headphones is reported by the beeps as follows.

- A short double-beep sounds repeatedly.
  The headphones are not receiving the RF signal from the processor.
  - Use the headphones in the RF signal transmission area.
  - Turn on the processor.
  - Check the connections between the processor, the AC adaptor, and the AC outlet (mains).
  - Make sure there are no other wireless devices using the 2.4 GHz wireless frequency band, or there are no electromagnetic waves being generated from a nearby microwave oven.
  - Change the processor position.

- A long beep (about 2 seconds) sounds and the headphones turn off.
  When the rechargeable battery of the headphones has been consumed, a warning beep (about 2 seconds) sounds and the headphones are turned off. The headphones can be turned on even when there is no battery power remaining, but they turn off almost immediately. Charge the headphones.

- A short beep sounds and the headphones are turned on.
  This indicates that the headphones have been turned on. This is not a malfunction.

- A beep (about 0.5 seconds) sounds and the headphones are turned off.
  This indicates that the headphones have been turned off properly. This is not a malfunction.

- Three short, low-pitched beeps sound.
  This indicates that you are trying to increase/decrease the volume when it is already maximum/minimum.
  This beep does not sound when you control the volume with the TV's remote control.
The auto power off function

The processor turns off automatically if you leave it for about 20 minutes without any operation or inputting audio.

- This may take more than 20 minutes or it may not function due to noise.
Precautions

Note on static electricity

- Static electricity accumulated in the body may cause mild tingling in your ears. To minimize the effect, wear clothes made from natural materials.

Note on wearing the headphones

- As you can wear the headphones tightly, there is a danger of injuring your eardrums, etc. if it is pushed hard or when the headphones are suddenly removed from the ears. Also, if you press the headphones against your ear, a sound may be generated from the diaphragm, but it is not a malfunction.

Others

On safety

- Do not drop, hit, or otherwise expose the processor or headphones to strong shock of any kind. This could damage the product.
- Do not disassemble or attempt to open any parts of the system.
- Do not put weight or pressure on the headphones as it may cause it to deform during long storage.
- Do not subject the headphones to excessive shock.
- Do not expose the system to water. The headphones are not waterproof. Remember to follow the precautions below.
  - Be careful not to drop the headphones into a sink or other container filled with water.
  - Do not use the headphones in humid locations or bad weather, such as in the rain or snow.
  - Do not get the headphones wet.
  If you touch the headphones with wet hands, or put the headphones in a damp article of clothing, the headphones may get wet and this may cause a malfunction.

On placement

- Do not place the system in any of the following locations.
  - Location exposed to direct sunlight, near a heater, or other extremely high-temperature location
  - Dusty location
  - On an unsteady or inclined surface
  - Location exposed to large amounts of vibration
  - Bathroom or other high-humidity location

- To reduce the risk of fire, do not cover the ventilation opening of the appliance with newspapers, tablecloths, curtains, etc.
- Do not expose the appliance to naked flame sources (for example, lighted candles).
- Do not place the system in a place exposed to humidity, dust, soot or steam, or in a car or place subject to direct sunlight.

Others

- If you experience discomfort after using the headphones, stop using the headphones immediately.

On the AC adaptor

- Be sure to use the supplied AC adaptor. Using AC adaptors with different plug polarity or other characteristics can cause product failure. Even AC adaptors having the same voltage and plug polarity can damage this product due to the current capacity or other factors.
Even AC adaptors having the same voltage and plug polarity can damage the processor due to the current capacity or other factors. Use the supplied AC adaptor.

Use a wall outlet that can be easily reached. If a failure occurs, unplug the AC adaptor from the socket. The processor's power is not completely cut off.

Please note the following when using the AC adaptor:

- Do not install the apparatus in a confined space, such as a bookcase or built-in cabinet.
- To reduce the risk of fire or electric shock, do not expose AC adaptor to dripping or splashing, and do not place objects filled with liquids, such as vases, on the AC adaptor.

If you are not going to use the system for a long time, unplug the AC adaptor from the AC outlet (mains). When removing the plug, grip the AC adaptor. Do not pull on the cord.

**Supplied AC power cord (May not be supplied in some countries or regions.)**

- The supplied AC power cord is exclusively for the processor and cannot be used with other electric products.

If you have any questions or problems concerning the system that are not covered in this manual, please consult your nearest Sony dealer.
Headphones and earpads

On headphones
Be sure to match the right and left side of the headphones with your ears.

Consideration of other people around you
When the volume is too high, the sound leaks outside the headphones. Be careful not to raise the volume so high that it bothers people around you.
There is a tendency to raise the volume when using in noisy places. However, for reasons of safety, it is advised to keep the volume at a level whereby you can still hear sounds around you.

On the built-in rechargeable battery of the headphones
- Charge the battery in an ambient temperature of between 5°C and 35°C (41°F and 95°F). If you charge it outside the recommended temperature range, the charge indicator flashes and the battery may not be charged.
- If you store the headphones for more than a year, charge the battery once a year to prevent over-discharge.
- If the length of time you can use the headphones became extremely short, the rechargeable battery should be replaced with a new one. Please contact your nearest Sony dealer for a battery replacement.

On replacing the ear pads
If the ear pads become dirty or worn out, please contact your nearest Sony dealer for a replacement.
RF signal transmission area

The approximate RF signal transmission area from the processor to the headphones is up to 30 m (98 ft). It varies depending on whether obstacles (human body, metal, wall, etc.) are present and the reception conditions.

**Note**
- This system uses a signal in the 2.4 GHz frequency band, so the sound may be interrupted if the signal of this system is blocked by an obstacle. This phenomenon is due to the characteristics of RF signals, and is not a malfunction.
- The sound may be affected depending on the location and the conditions where the processor is installed. Use the processor and the headphones in a place where you can hear the audio without interference.
- The sound may be interrupted if you use the processor and the headphones in a location where other 2.4 GHz wireless devices, for example, a microwave oven, etc., are used nearby.
The surround sound effect

- In the case of a source without video, such as an audio CD, it may be difficult to recognize the localization of sound.
- This system simulates the average Head Related Transfer Function (HRTF) of people, however, since HRTF varies from person to person, how the effects are felt depends on the individual.
On cleaning

Use a soft cloth slightly moistened with mild detergent solution. Do not use solvents such as thinner, benzene or alcohol as these may damage the surface.
Help Guide

Digital Surround Headphone System
WH-L600

Copyrights

- “Virtualphones Technology” is a registered trademark of Sony Corporation.
- This system incorporates Dolby® Digital decoder, Dolby Pro Logic Ilx decoder, and DTS** decoder.
- This system incorporates High-Definition Multimedia Interface (HDMI™) technology. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.
- “BRAVIA” logo is a trademark of Sony Corporation.
- “PlayStation” is a registered trademark of Sony Interactive Entertainment Inc.

* Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, Pro Logic, Surround EX, and the double-D symbol are trademarks of Dolby Laboratories.
** For DTS patents, see http://patents.dts.com. Manufactured under license from DTS, Inc. DTS, the Symbol, DTS and the Symbol together, and Digital Surround are registered trademarks and/or trademarks of DTS, Inc. in the United States and/or other countries. © DTS, Inc. All Rights Reserved.
Customer support websites

Please access the following support website to get the support information about your headphone system:
For customers in the U.S.A:
http://esupport.sony.com/
For customers in Canada:
http://esupport.sony.com/CA/
For customers in Latin America:
http://esupport.sony.com/LA/
For customers in European countries:
www.sony.eu/support
For customers in China:
https://service.sony.com.cn/
For customers in other countries/regions:
http://www.sony-asia.com/
Digital Surround Headphone System
WH-L600

What can I do to solve a problem?

If the system does not function as expected, try the following steps to resolve the issue.

1. Find the symptoms of the issue in this manual, and try any corrective actions listed.

2. Charge the battery of the headphones.
   You may be able to resolve some issues by charging the battery.

3. Look up information on the issue on “Customer support websites”.

4. If the approaches listed above fail to resolve the issue, consult your nearest Sony dealer.

Related Topic

- Charging the headphones/Connecting the processor to the wall outlet
- Customer support websites
## Table of contents for symptoms and possible causes

The following topics show possible causes and remedies for symptoms. See an appropriate topic according to your problem.

### Sound
- TV sound is not output from the headphones
- Sound of devices other than the TV is not output from the headphones
- The CTRL FOR HDMI switch is set to “ON,” but the headphones volume cannot be adjusted from the remote control of the TV.
- Distorted or intermittent sound (sometimes with noise)
- Low sound
- The surround sound effect is not obtained
- The audio is not played back in the desired audio format.
- Beeps are heard from the headphones.
- The 7.1-channel surround sound is not obtained.

### Power/Charging
- The processor does not turn on even when the TV is turned on.
- The battery cannot be charged; the charge indicator flashes.
- The processor does not turn off even the TV is turned off.
- The processor turns off when you turn off the TV.

### Others
- Wireless LAN of the TV is difficult to connect.
- The Control for HDMI function does not work properly.
- If the system does not operate properly
TV sound is not output from the headphones

- Check the cable type used to connect the TV and processor (the HDMI cable, optical digital cable, or analog audio cable) and the connection method. For details, see the following.

Connection example 1: Connecting to ARC-equipped TV
- Check the following:
  - The processor is connected to an HDMI input jack that supports ARC.
  - The CTRL FOR HDMI switch on the processor is set to “ON.”
  - The Control for HDMI function on the TV is enabled.
- Select “HDMI” with the INPUT button on the processor.
- If the TV does not support Audio Return Channel (ARC), connect the TV and processor with the optical digital cable or an analog audio cable (sold separately).

Connection example 2: Connecting to TV not equipped with ARC (connecting to a TV with an optical digital cable)
- Check the connection of the optical digital cable between the processor and TV.

Connection example 3: Connecting to TV using an analog audio cable (sold separately)
- Check the connection of the analog audio cable between the processor and TV.

- Increase the volume of the headphones.
- Check the audio output setting of the TV. For details on how to check and set, refer to the manuals supplied with the TV.
- Check whether the audio format input to the processor is supported by the system.

Related Topic
- Audio format supported by the processor
Sound of devices other than the TV is not output from the headphones

- Change the input of the processor with the INPUT button according to the connected TV to which the device is connected.
- Increase the volume of the headphones.
- Check the audio output setting of the TV. For details on how to check and set, refer to the manuals supplied with the TV.
- Check whether the audio format input to the processor is supported by the system.
- Check whether the device connected to the HDMI (ARC) jack on the processor is a TV.

The HDMI (ARC) jack on the processor is available only when connecting to the HDMI input jack that supports ARC on a TV. When you want to connect an HDMI device other than a TV to the processor, connect that device to the HDMI input jack on a TV first, then connect the HDMI (ARC) jack on the processor to an HDMI input jack that supports ARC on the TV.
The CTRL FOR HDMI switch is set to “ON,” but the headphones volume cannot be adjusted from the remote control of the TV.

- Set the processor's input to “HDMI" with the INPUT button.
- Check whether the power of the processor is on.
- Check the audio output setting on the TV. For details on how to check or set, refer to the manuals supplied with the TV.
Distorted or intermittent sound (sometimes with noise)

- Battery of the headphones is low. Charge the battery of the headphones.
  If the power indicator is still off after you charge the battery, take the headphones to your nearest Sony dealer.
- Make sure there are no other wireless devices using the 2.4 GHz wireless frequency band or a microwave oven being used around the processor and headphones.
- Change the position of the processor.
- When input of the processor is “ANALOG”, set the GAIN switch on the processor to “LO.”
- If you connect the headphone jack of the AV device to the AUDIO IN jack of the processor, decrease the volume level on the connected AV device.
- This system is compatible with 96 kHz. Set the output signal to 96 kHz on the device connected with the processor. When inputting a 192 kHz signal, sound may be output for a moment. It is not a malfunction.
Low sound

- If the symptoms appear when “ANALOG” is selected with the INPUT button, set the GAIN switch on the processor to “HIGH.”
- If you connect the headphone jack of the AV device to the AUDIO IN jack of the processor, increase the volume on the connected AV device.
- Increase the headphone volume.

Related Topic

- TMR-L600 Processor
The surround sound effect is not obtained

- Select “CINEMA,” “GAME” or “SPORTS” for the sound field mode.
- The sound being played is not a multi-channel signal. Depending on the audio output setting on the TV or HDMI device, multi-channel signals are down-mixed to 2-channel to be output. In this case, change the setting on the device so that a multi-channel signal is output.

Related Topic
- Setting the sound field mode (SOUND FIELD button)
The audio is not played back in the desired audio format.

- Check the audio format of the Blu-ray Disc or DVD.
  - Check the package of Blu-ray Disc or DVD, etc. to see that audio has been recorded in the desired audio format.
  - Select the desired audio format on the audio setting menu on the main menu of the disc before you start playback of the disc.

- Check the audio output settings of the connected device (Blu-ray Disc recorder, PlayStation®4, etc.).
  - If multi-channel output is set to be down-mixed to a 2-channel signal, change the setting so that multi-channel audio is output in a multi-channel.
  - If the TV has stereo speakers, the audio output from the connected device becomes stereo (2-channel), the same as that of the TV, even if you are playing multi-channel programs.
  - If the TV does not support the audio format you want to listen to, the TV’s audio signal is down-mixed to 2-channel to be output. In this case, connect the device which outputs audio (Blu-ray Disc recorder or PlayStation®4, etc.) and the processor with an optical digital cable.

Related Topic

- Using HDMI devices efficiently
Beeps are heard from the headphones.

- Check the headphones, referring to "Warning beeps and operation beeps of the headphones."
The 7.1-channel surround sound is not obtained.

- Select “CINEMA,” “GAME” or “SPORTS” for the sound field mode.
- Depending on the audio format input to the processor, the matrix decoder may not work. Set the MATRIX switch on the processor to “ON”.

Related Topic
- Setting the sound field mode (SOUND FIELD button)
The processor does not turn on even when the TV is turned on.

- If the processor and your TV are connected with an optical digital cable or analog audio cable, you cannot use the power interlock function.
- Check that the HDMI cable is firmly connected.
- Set the CTRL FOR HDMI switch on the processor to “ON”. The TV must support the Control for HDMI function. For details, refer to the manuals supplied with the TV.
- Check the audio output setting on the TV. The processor turns on or off in conjunction with the audio output setting on the TV. For details, refer to the manuals supplied with the TV.
- When the headphones are placed on the charging terminal of the processor, the processor cannot be turned on.
- For some TVs, if sound was being output from the TV speaker when you previously turned it off, the processor may not turn on even if you turn on the TV.
Help Guide
Digital Surround Headphone System
WH-L600

The battery cannot be charged; the charge indicator flashes.

- Check the connections between the headphones and the processor.
- There is something wrong with the rechargeable battery. Consult your nearest Sony dealer.
- Charge the battery in an ambient temperature range of between 5°C and 35°C (41°F and 95°F).

Related Topic
- Charging the headphones/Connecting the processor to the wall outlet
The processor does not turn off even the TV is turned off.

When input of the processor is set to “OPTICAL” or “ANALOG,” the processor does not turn off in conjunction with the TV.
The processor turns off when you turn off the TV.

- Check the setting of the CTRL FOR HDMI switch. If the CTRL FOR HDMI switch is set to “ON” and HDMI is selected for the input on the processor, the processor turns off in conjunction with the TV.

Related Topic
- TMR-L600 Processor
Wireless LAN of the TV is difficult to connect.

- Move the system away from the TV.
- Install the access point (wireless LAN router, etc.) and the TV as close to each other as possible.
- Change the channel of the access point (wireless LAN router, etc.). For details on the access point setting, refer to the manual supplied with your device.
The Control for HDMI function does not work properly.

- See the Relate Topic below to check the HDMI connection between the processor and TV.
- Enable the Control for HDMI function on the TV. For details, refer to the manuals supplied with the TV.
- Wait for a while. When you disconnect the processor from the power source and reconnect it, operate the processor after 15 seconds or more.

Related Topic
- Notes on HDMI connections
- What is ARC?
- Connection example 1: Connecting to ARC-equipped TV
If the system does not operate properly

- Reset the system.
  Push the reset button on the headphones with a thin object such as a pin. After that, disconnect the AC adaptor from the processor, and then re-connect them after 10 seconds or more. Even after resetting, the settings are retained.