SURROUND SOUND HEADPHONE ADAPTOR
SURROUNDKLANG-KOPFHÖRERADAPTER
ADAPTATEUR DE SON SURROUND POUR CASQUE D'ÉCOUTE

SU-DH1-E

DOLBY DIGITAL PRO LOGIC II

dts VIRTUAL   **AAC**

INSTRUCTIONS
BEDIENUNGSANLEITUNG
MANUEL D'INSTRUCTIONS

JVC

"SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT"

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equiprnent, care must be taken if you are to obtain the best results and safety is to be assured.

Do read the operating instructions before you attempt to use the equipment.

Do ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.

Do consult your dealer if you are ever in doubt about the installation or operatation or safety of your equipment.

Do be careful with glass panels or doors on equipment.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way—switch off—withdraw the mains plug and consult your dealer.

DON'T remove any fixed cover as this may expose dangerous voltlages.

DON'T leave equipment switched on when it is unattended unless it is specifically stanted that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure that your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of road safety. It is illegal to watch television when driving.

DON'T listen to headphones at high volume as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment, for example with curtains or on soft furnishings. Overheating will cause damage and shorten the life of the equipment.

DON'T use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety always fit the manufacturer's approved stand or legs with the fixing screws supplied according to the instructions.

DON'T allow electrical equipment to be exposed to rain or moisture.

ABOVE ALL

NEVER let anyone especially children push anything into holes, slots or any other opening in the case. This could result in a fatal electrical shock.
NEVER guess or make changes with electrical equipment of any kind, it is better to be safe than sorry!
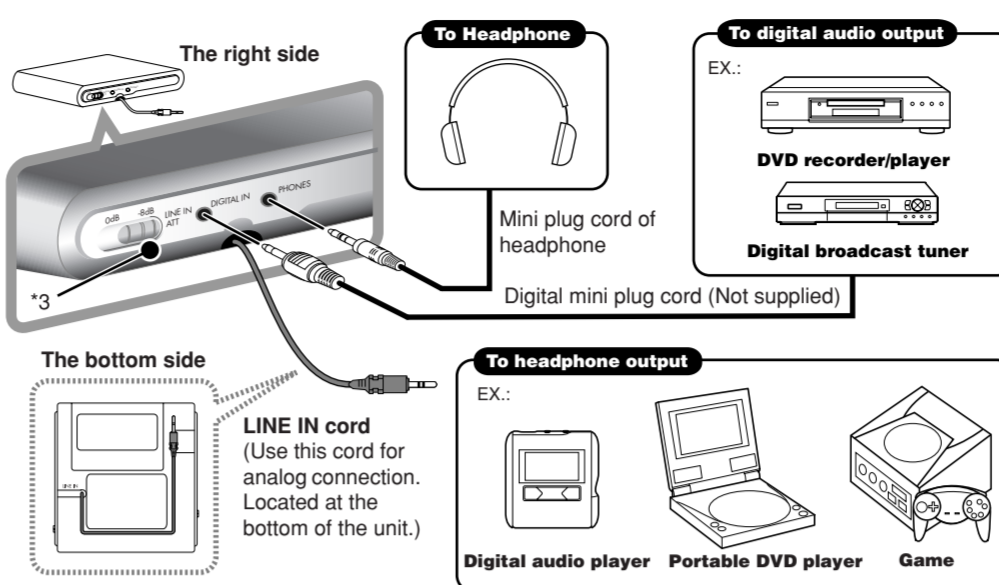

For your safety…

– Never use this unit when driving a car, motor cycle, or bicycle. This could result in an accident.
– Be careful not to turn the sound volume up too high when using the headphones. Your hearing can be damaged by listening to sounds at excessive volume for long periods.
– Do not disassemble or modify this unit.
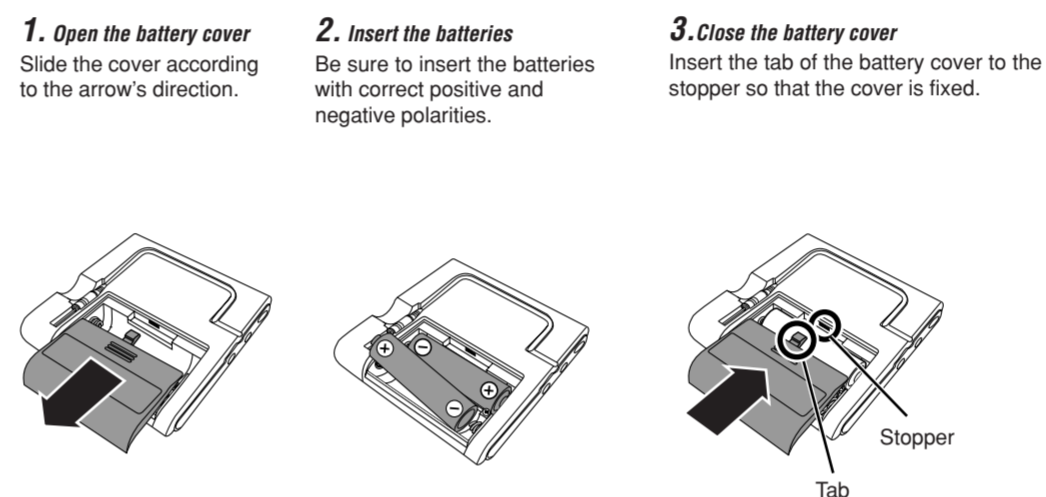– Do not allow inflammables, water or metallic objects to enter this unit.

About batteries…

Misuse of battery could result in leakage. This could cause a fire or explosion. To prevent this, pay special attention to the following points:
– Be sure to insert the battery with correct positive and negative polarities.
– Do not heat, disassemble or short-circuit battery and never dispose of battery by throwing them in a fire.
– Read the caution displayed on the battery when in use.

CONNECTION

The right side

To Headphone
Mini plug cord of headphone

To digital audio output
EX.:
DVD recorder/player
Digital broadcast tuner
Digital mini plug cord (Not supplied)

The bottom side

LINE IN cord
(Use this cord for analog connection. Located at the bottom of the unit.)

To headphone output
EX.:
Digital audio player   Portable DVD player   Game

*3 LINE IN ATT switch
Adjusts the volume level of the component connected by LINE IN cord. Set the switch to "-8dB" in standard use. When the volume level of the component connected by LINE IN cord is low, set the switch to "0dB."

• Be sure to turn off the power of the unit and component when you connect the component.
• While connecting the cord to the DIGITAL IN jack, the digital input is given priority. To reproduce the sound from the component connected by LINE IN cord, disconnect the cord from the DIGITAL IN jack.
• While connecting the stereo headphone jack of a portable component by LINE IN cord, noise may be heard if the volume level of the component is set too low. In this case, increase the volume.
• When you connect the component having the digital optical jack for digital audio output, please use a digital optical plug/digital mini plug cord such as XN-210SA, XN-220SA and XN-230SA. (Not supplied)
• When you connect the LINE IN cord to a component having the jack size of ø6.3mm, please use the plug adapter AP-113. (Not supplied)
• This unit only supports the sampling rate 44.1kHz and 48kHz for input signal. When you use a DVD player for the source component, please set the output settings of the DVD player to 48kHz. When you play a sound with the sampling rate 32kHz, please input using LINE IN cord.
• While inputting with digital optical signal, the beginning sound of the track may not come out. This is not a malfunction.
• Digital input from a PC may not be performed accurately due to the connected component. In this case, use LINE IN cord for input.
• Noise may be heard while fast-forwarding or fast-reversing a music source encoded with DTS. This is not a malfunction.

About Digital Surround

Dolby Headphone
Dolby Headphone is a virtual headphone technology developed by Dolby Laboratories.
Reproduces the surround system of the Dolby Digital, DTS, MPEG-2 AAC and the sound decoded by Dolby Pro Logic II into the 2 channel of the stereo headphones.

Dolby Digital*1
Used to reproduce multichannel soundtracks of the software encoded with Dolby Digital.

Dolby Pro Logic II*1
Dolby Pro Logic II has a newly developed multichannel playback format to decode all 2 channel sources — stereo source and Dolby Surround encoded source — into a 5.1 channel.
Dolby Pro Logic II has two modes —Movie mode and Music mode:
• Pro Logic II Movie (MOVIE)
  Suitable for reproduction of the software encoded with Dolby Surround.
• Pro Logic II Music (MUSIC)
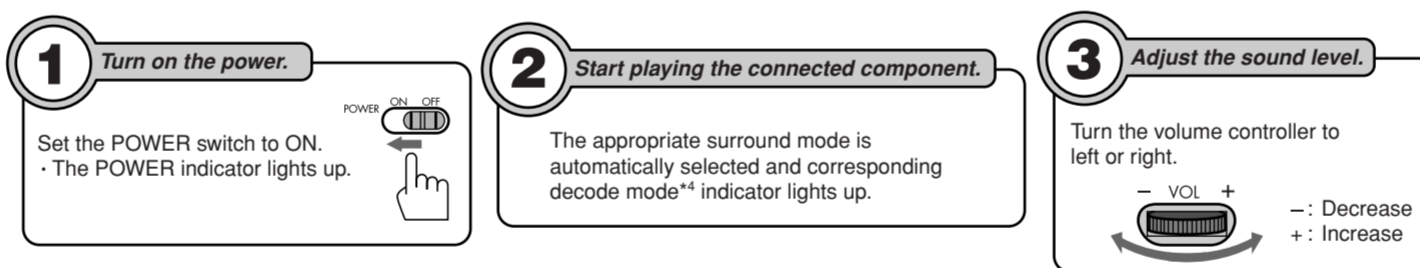 Suitable for reproduction of any 2 channel stereo music sources.

DTS Digital Surround*2
Used to reproduce multichannel soundtracks of the software encoded with DTS Digital Surround.
DTS Digital Surround (DTS) is another discrete multichannel digital audio format available on CD and DVD software.

MPEG-2 AAC
MPEG-2 AAC is a surround format developed by MPEG (Moving Picture Experts Group). MPEG-2 AAC can reproduce the sound in 5.1 channel at the maximum.

*1 Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", "AAC logo ", and the double-D symbol are trademarks of Dolby Laboratories.
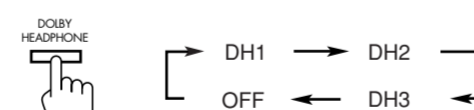*2 "DTS" and "DTS VIRTUAL" are registered trademarks of Digital Theater Systems, Inc.

BATTERY INSERTION

1. Open the battery cover
Slide the cover according to the arrow's direction.

2. Insert the batteries
Be sure to insert the batteries with correct positive and negative polarities.

3. Close the battery cover
Insert the tab of the battery cover to the stopper so that the cover is fixed.

Stopper

Tab

• Supplied batteries are for your initial use.
• The use of manganese batteries causes the battery life to end faster. When you use this unit for a long time, please use alkaline batteries.
• The POWER indicator flashes when the battery life comes to its end. In this case, replace the batteries.

PARTS NAME

1 POWER indicator
Lights up when the power is on.
2 Decode mode*4 indicator
Lights up to indicate the input signal.
(D, PLII, DTS, MPEG-2 AAC)
3 POWER switch
Turns the power on or off.
4 Dolby Pro Logic II mode indicator
Indicates the selected mode of Dolby Pro Logic II.
(AUTO/MOVIE/MUSIC)
5 Dolby Headphone mode indicator
Indicates the selected mode of Dolby Headphone. (DH1/DH2/DH3)
6 DOLBY HEADPHONE button
Selects the mode of Dolby Headphone.
7 DOLBY PRO LOGIC II button
Selects the mode of Dolby Pro Logic II.
8 VOL (volume) controller
Adjusts the volume level.

*4 **Decode mode**
The mode of reproduction subject to the digital surround format of each music source.

OPERATIONS

1 Turn on the power.
Set the POWER switch to ON.
· The POWER indicator lights up.
POWER ON OFF

2 Start playing the connected component.
The appropriate surround mode is automatically selected and corresponding decode mode*4 indicator lights up.

3 Adjust the sound level.
Turn the volume controller to left or right.
– VOL +
– : Decrease
+ : Increase

4 Select the mode of Dolby Headphone and Dolby Pro Logic II.
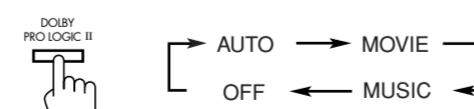
Press the DOLBY HEADPHONE button and the DOLBY PRO LOGIC II button repeatedly to select the surround mode of each function.

Dolby Headphone mode

DH1 → DH2
OFF ← DH3

DH1: Reproduces the sound with less reverberation like a mixing studio.
DH2: Reproduces the sound with suitable reverberation like a usual listening room.
DH3: Reproduces the sound having atmosphere like a mini theatre or concert hall and so on.
OFF: All the indicators including the Dolby Pro Logic II mode indicator go off and the unit reproduces the sound in stereo.

Dolby Pro Logic II mode

AUTO → MOVIE
OFF ← MUSIC

AUTO: The unit automatically selects MOVIE or MUSIC in compliance with the input signal.
· MOVIE is selected when the playing source is digital input 2 channel DVD or analog input.
· MUSIC is selected when the playing source is digital input CD or MD.
MOVIE: Suitable for reproduction of the software encoded with Dolby Surround.
MUSIC: Suitable for reproduction of any 2 channel stereo music source.
OFF: No indicator lights up.

• When AUTO is selected, the AUTO indicator and the MOVIE or the MUSIC indicator light up.
• You cannot use Dolby Pro Logic II mode when the Dolby Headphone is not activated.
• Dolby Pro Logic II mode cannot be used for music source encoded DTS, and multichannel music source.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Power does not come on.	The batteries are exhausted.	Replace the batteries.
No sound.	The batteries are exhausted.	Replace the batteries.
	The connected component is not being played back.	Start playing the connected component.
	Headphone's volume level is set to low.	Increase the headphone's volume.
	The volume level of the connected component is set to low.	Increase the volume level of the connected component.
	An audio format which cannot be played back through this unit is being input.	Check the audio format.
	The playing component is not outputting the surround signal.	Check the digital audio output settings of the playing component and set up so that the playing component can output the surround signal.
Noise is heard from the analog connected component.	The LINE IN ATT switch is set to "0dB."	Set the LINE IN ATT switch to "-8dB."
	The volume level of the connected component is set to high.	Decrease the volume level of the connected component.
The sound from analog connected component is quiet.	The LINE IN ATT switch is set to "-8dB."	Set the LINE IN ATT switch to "0dB."
Cannot get the surround effect.	The Dolby Headphone mode is set to OFF.	Set the Dolby Headphone mode to DH1, DH2 or DH3.
Cannot activate the Dolby Pro Logic II mode.	The Dolby Headphone mode is set to OFF.	Set the Dolby Headphone mode to DH1, DH2 or DH3.
	The music source encoded DTS or multichannel music source is being played back.	Dolby Pro Logic II mode cannot be used for music source encoded DTS and multichannel music source.
The POWER indicator is flashing.	The batteries are exhausted.	Replace the batteries.

SPECIFICATIONS

Surround sound headphone adaptor

Playable format:	Dolby Digital (Dolby Surround EX), Dolby Pro Logic II, DTS (DTS-ES 6.1ch), MPEG-2 AAC, PCM (Fs=44.1kHz, 48kHz)
Surround function:	Dolby Headphone (DH1/DH2/DH3), Dolby Pro Logic II (AUTO/MOVIE/MUSIC)
Input terminals:	Optical digital signal mini jack x 1, LINE IN signal cord with Gold plated stereo mini plug (ø 3.5mm) x 1
Headphone output:	Stereo mini jack x 1
Power requirements:	Alkaline AA battery (DC 1.5V) x 2
Battery life:	approx. 10hours (using Alkaline AA battery), approx. 2.5hours (using Manganese AA battery)
Dimensions:	82mm x 20mm x 86mm (W/H/D)
Mass:	approx. 99g (include Manganese AA battery)
Accessories:	Manganese AA battery (R6P) x 2 (for initial use), Carrying pouch x 1, Dual plug adaptor x 1

Design and specifications subject to change without notice.