

**SONY**



## Development Kit (for PlayStation®4)

### Instruction Manual

DUH-D1000AA



4-471-902-11(1)

**EN**

## WARNINGS

- To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.
- CAUTION
  - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
  - The use of optical instruments with this product will increase eye hazard.
- This appliance is classified as a CLASS 1 LASER product under IEC60825-1:2007.

**CLASS 1 LASER PRODUCT  
LASER KLASSE 1  
LUOKAN 1 LASER LAITE  
KLASS 1 LASERAPPARAT**

### Photosensitivity/Epilepsy/Seizures

A very small percentage of individuals may experience epileptic seizures or blackouts when exposed to certain light patterns or flashing lights. Exposure to certain patterns or backgrounds on a television screen or when playing video games may trigger epileptic seizures or blackouts in these individuals. These conditions may trigger previously undetected epileptic symptoms or seizures in persons who have no history of prior seizures or epilepsy. If you, or anyone in your family, has an epileptic condition or has had seizures of any kind, [consult your physician before playing.](#)

IMMEDIATELY DISCONTINUE use and consult your physician before resuming gameplay if you or your child experience any of the following health problems or symptoms:

- dizziness,
- altered vision,
- eye or muscle twitches,
- loss of awareness,
- disorientation,
- seizures, or
- any involuntary movement or convulsion.

RESUME GAMEPLAY ONLY ON APPROVAL OF YOUR PHYSICIAN.

Use and handling of video games to reduce the likelihood of a seizure

- Use in a well-lit area and keep as far away as possible from the television screen.
- Avoid large screen televisions. Use the smallest television screen available.
- Avoid prolonged use of the system. Take a 15-minute break during each hour of play.
- Avoid playing when you are tired or need sleep.

### Radio waves

- Radio waves may affect electronic equipment or medical devices (for example, pacemakers), which may cause malfunctions and possible injuries.
- If you use a pacemaker or other medical device, consult your physician or the manufacturer of your medical device before using the wireless networking feature.
  - Do not use the wireless networking feature in the following locations:
    - Areas where wireless network use is prohibited, such as in hospitals. Abide by medical institution regulations when using the system on their premises.
    - Areas near fire alarms, automatic doors and other types of automated equipment.

### 3D images

Some people may experience discomfort (such as eye strain, eye fatigue, or nausea) while watching 3D video images or playing stereoscopic 3D games on 3D televisions. If you experience such discomfort you should immediately discontinue use of your television until the discomfort subsides. SCE recommends that all viewers take regular breaks while watching 3D video, or playing stereoscopic 3D games. The length and frequency of necessary breaks may vary from person to person – please take breaks that are long enough to allow any feelings of discomfort to subside. If symptoms persist, consult your physician. When using a 3D-enabled device with your development kit, read the instruction manual for that device prior to use.

### For customers in the U.S.A. and Canada

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated with at least 20 cm (8 in) and more between the radiator and person’s body (excluding extremities: hands, wrists, feet and ankles).

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- You are cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

If you have questions about this product, visit <http://www.scedev.net>, email Developer Support at [dev\\_tools@playstation.sony.com](mailto:dev_tools@playstation.sony.com) or write to: Sony Computer Entertainment America LLC Developer Support 2207 Bridgepointe Parkway San Mateo, CA 94404 U.S.A.

Declaration of Conformity	
Trade Name :	SONY
Model No. :	DUH-D1000AA
Responsible Party :	Sony Electronics Inc.
Address :	16530 Via Esprillo San Diego, CA 92127 U.S.A.
Telephone No. :	858-942-2230
This device complies with Part 15 of the FCC Rules and RSS-Gen of IC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.	

### Pour les utilisateurs aux États-Unis et au Canada

Cet équipement est conforme aux limites d’exposition aux radiofréquences IC établies pour un environnement non contrôlé et se conforme aux exigences de conformité pour l’exposition aux RF IC, dans le supplément C à OET65 et CNR- 102. Cet équipement doit être installé et opéré à au moins 20 cm (8 po.) d’écart entre le radiateur et la personne physique (extrémités du corps non prises en compte : mains, poignets, pieds et chevilles).

Ce transmetteur ne doit pas être utilisé conjointement ou placé avec tout autre transmetteur ou antenne.

Remarque

Cette unité a été testée et il a été déterminé qu’elle se conforme aux normes stipulées par l’article 15 des règlements de la FCC pour un appareil numérique de catégorie B. Ces normes sont établies afin d’offrir une protection raisonnable contre toute possibilité de brouillage préjudiciable dans une installation résidentielle. Cette unité produit, utilise et peut émettre une énergie radioélectrique, et si elle n’est pas installée et utilisée conformément aux instructions, pourrait causer un brouillage préjudiciable à la radiocommunication. Il est toutefois impossible de garantir qu’il n’y aura pas de brouillage préjudiciable dans une installation donnée. Si cette unité cause un brouillage préjudiciable à la réception radio ou télévisuelle, ce qui peut être déterminé en activant ou désactivant l’appareil, l’utilisateur est encouragé à tenter de corriger le brouillage en prenant l’une ou plusieurs des mesures proposées suivantes :

- Reorienter ou déplacer l’antenne de réception.
  - Éloigner l’unité du récepteur.
  - Connecter l’appareil à une prise sur un autre circuit que celui auquel le récepteur est connecté.
  - Demander de l’aide au détaillant ou à un technicien radio/télévision spécialisé.
- Aucun changement ou modification n’est permis sans avoir été approuvé par les parties responsables des réglementations qui est en droit de refuser l’autorisation de l’utilisateur à utiliser ce produit.

Pour toute question concernant ce produit, visitez <http://www.scedev.net>, envoyez un courriel au service d’Assistance aux développeurs à l’adresse [dev\\_tools@playstation.sony.com](mailto:dev_tools@playstation.sony.com) ou envoyez un courrier à : Sony Computer Entertainment America LLC Developer Support 2207 Bridgepointe Parkway San Mateo, CA 94404 U.S.A.

Déclaration de Conformité	
Nom commercial <span> </span> :	SONY
N° de modèle <span> </span> :	DUH-D1000AA
Partie responsable <span> </span> :	Sony Electronics Inc.
Adresse <span> </span> :	16530 Via Esprillo San Diego, CA 92127 U.S.A.
N° de téléphone <span> </span> :	858-942-2230
Cet appareil est conforme aux stipulations de l’article 15 des règlements de la FCC et CNR-Gen des règles IC. Son opération est sous réserve des deux conditions suivantes <span> </span> : (1) cet appareil ne peut pas causer de brouillage préjudiciable et (2) cet appareil doit accepter le brouillage préjudiciable reçu, y compris un brouillage qui pourrait causer son fonctionnement irrégulier.	

### For customers in the U.S.A.

The lithium coin memory back-up battery inside this product contains Perchlorate.

The following statement is required by the State of California, USA:

Perchlorate Material – special handling may apply. See

<http://www.dtsc.ca.gov/hazardouswaste/perchlorate>

### For customers in Europe and Turkey

This equipment has been tested and found to comply with the limits set out in the R&TTE Directive using a connection cable shorter than 3 metres. Do not use cables longer than 3 metres.



Where you see this symbol on any of our electrical products/packaging in Europe and Turkey, it means that at end of life the product/battery must be disposed of in accordance with any applicable laws or requirements for the separate disposal of electrical equipment/batteries. This symbol may be used on batteries in combination with additional chemical symbols. The chemical symbols for mercury (Hg) or lead (Pb) will appear if the battery contains more than 0.0005% mercury or more than 0.004% lead. Accordingly at end of life we will arrange for separate disposal of our loan equipment including without limitation development kits which remain at all times the property of Sony Computer Entertainment Europe. If you would like assistance with the disposal of any other electrical products which we have supplied to you for business use, we can arrange a take-back service on request. Please contact the Sony Computer Entertainment Europe Development Tools team for more information.

This product contains a battery which is permanently built-in for safety, performance or data integrity reasons. The battery should not need to be replaced during the lifetime of the product and should only be removed by skilled service personnel. To ensure the correct waste treatment of the battery, please dispose of this product as electrical waste.

This product has been manufactured by or on behalf of Sony Computer Entertainment Inc., 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. Imported into Europe and Distributed by Sony Computer Entertainment Europe Ltd, 10 Great Marlborough Street, London, W1F 7LP, United Kingdom. The Authorised Representative for issuing and holding Declarations of Conformity is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany.

### For customers in the United Kingdom

A molded plug complying with BS1363 is fitted to this equipment for your safety and convenience. Should the fuse in the plug supplied need to be replaced, a 5AMP fuse approved by ASTA or BSI to BS1362, (i.e., marked with ⚡ or ⚡) must be used. If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.

## Precautions

### Safety

This product has been designed with the highest concern for safety. However, any electrical device, if used improperly, has the potential for causing fire, electrical shock or personal injury. To help ensure accident-free operation, follow these guidelines:

- Observe all warnings, precautions and instructions.
- Regularly inspect the AC power cord for damage.
- Stop use, unplug the AC power cord from the electrical outlet and disconnect any other cables immediately if the device functions in an abnormal manner, produces unusual sounds or smells or becomes too hot to touch.

### Use and handling

- Do not connect cables other than a USB cable while the AC power cord is plugged into the electrical outlet.
- Do not touch the system or connected cables or accessories during an electrical storm.
- Do not use the system or accessories near water.
- Do not allow liquid, small particles or other foreign objects to get into the system or accessories.
- Do not touch the connectors of the system or accessories.
- Do not expose the system or accessories to dust, smoke or steam. Also, do not place the system in an area subject to excessive dust or cigarette smoke. Dust build-up or cigarette smoke residue on the internal components (such as the lens) may cause the system to malfunction.
- Do not expose the system or accessories to high temperatures, high humidity or direct sunlight.
- Do not place the system or accessories on surfaces that are unstable, tilted or subject to vibration.
- Do not set the system other than in the vertical or horizontal position. Also, do not change the position while the system is turned on.
- Be careful when carrying the system. If you do not have a good grip, the system may drop causing potential damage or injury.
- Do not move or change the position of the system with a disc inserted. The vibration may result in scratching of the disc or the system.
- Do not stand on or put objects on the system, and do not stack the system with other devices. When installing development kits in a horizontal position, a maximum of 3 kits can be stacked on top of one another.
- Do not stack 4 systems or more on top of one another when installing them in a horizontal position.
- Do not stack systems on top of one another when installing them in a vertical position. When installing a system in a vertical position, install it so that the disc drive is toward the top of the system.
- Do not place the system and connected accessories on the floor or in a place where they may cause someone to trip or stumble.
- Do not allow bodily contact with the system or air from the system vents for an extended period of time while in use. Extended contact under these conditions may cause low-temperature burns.
- When connecting the system to a plasma or projection\* TV, do not leave a still image on the TV screen for an extended period of time, as this may leave a faint image permanently on the screen.
  - \* Except LCD screen types
- When using the motion sensor function of the DUALSHOCK®4 wireless controller, be aware of the following points. If the controller hits a person or object, it may cause accidental injury or damage.
  - Before using, check that there is plenty of space around you.
  - When using the controller, grip it firmly to make sure it cannot slip out of your hand.
  - If using a controller that is connected to the Development kit with a USB cable, make sure there is enough space for the cable so that the cable will not hit a person or object. Also, take care to avoid pulling the cable out of the Development kit while using the controller.

### Vents

Do not block any vents. To maintain good ventilation, follow the guidelines below:

- Place the system at least 10 cm (4 in) away from a wall surface.
- Do not place on a carpet or rug with long fibers.
- Do not place in a narrow or cramped space.
- Do not cover with cloth.
- Do not allow dust to build up on the vents.

### AC power cord use

- Do not use a power cord other than the supplied AC power cord. Do not modify the cord.
- Do not touch the plug of the AC power cord with wet hands.
- Protect the AC power cord from being walked on or pinched particularly at plugs, expansion receptacles and the point where the cord exits from the system.
- Do not place heavy items on the cord.
- Do not place the AC power cord near heating equipment and do not expose the cord to heat.
- Do not allow dust or foreign matter to build up around the AC IN connector. Before connecting or plugging in the AC power cord, check that there is no dust or foreign matter in or on the power plug or connecting end of the cord, the electrical outlet or the AC IN connector on the system rear. If the plug or connector becomes dirty, wipe off with a dry cloth before connecting.
- Unplug the AC power cord from the electrical outlet before cleaning or moving the system, or when you do not intend to use the system for an extended period of time.
- When disconnecting, grasp the power cord by the plug and pull straight out of the electrical outlet. Never pull by the cord and do not pull out at an angle.
- Do not connect the AC power cord to a voltage transformer or inverter. Connecting the AC power cord to a voltage transformer for overseas travel or an inverter for use in an automobile may cause heat to build up in the system and may cause burns or a malfunction.

## Never disassemble or modify the system or accessories

Use the development kit and accessories according to the instructions in the product documentation. No authorization for the analysis or modification of the system, or the analysis and use of its circuit configurations, is provided. Unauthorized modification of the system will void your warranty. There are no user serviceable components inside the development kit. Additionally, there is a risk of exposure to laser radiation as well as to electrical shock.

### Network - wired connection

Use only an network cable compatible with 10BASE-T, 100BASE-TX or 1000BASE-T networks. Do not use a cord for a standard residential telephone line or cables of types other than those mentioned here. Using the wrong type of cord or cable can cause more electrical current than necessary to flow through the LAN connector, which may lead to heat build-up, fire or malfunction.

### Moisture condensation

If the system or disc is brought directly from a cold location to a warm one, moisture may condense either on the lens inside the system or on the disc. Should this occur, the system may not operate properly. In this case, remove the disc and turn off and unplug the system. Do not put the disc back in until the moisture evaporates (this may take several hours).

### System storage

This system is equipped with system storage (a recording device for storing software, data, etc.). Follow the instructions below to help prevent software or data loss or corruption or damage to the system storage.

- Do not place the system on an unstable surface or a surface that is subject to vibration.
- Do not move the system while it is turned on.
- Do not subject the system to physical shock.
- Do not turn off the system while data is being saved on or loaded from the system storage.
- Do not place the system close to magnetic fields produced by magnets or loudspeakers.

If for any reason software or data loss or corruption occurs, it may not be possible to restore or repair the software or data. Sony Computer Entertainment Inc. and its subsidiaries and affiliates will not be held liable for damage or injury related to software or data loss or corruption.

### Wireless networking feature

The 2.4 GHz range of radio waves used by the wireless networking feature of this product is a range shared by various devices. This product has been designed to minimize the effect of other devices using the same range. However, in some cases interference from other devices may reduce the connection speed or shorten the signal range, or cause the connection to be terminated unexpectedly.

## About setup

- SDKs and documents such as instruction manuals necessary for development must be acquired from the developer website (DevNet).
- For details on setting up a development environment, refer to the “Getting Started Guide” on DevNet.
- You must update your development kit with the system software that supports the development environment you are using.
- Account management procedures such as account creation and deletion are performed by your company’s DevNet organization manager. For details on accounts, contact your company’s DevNet organization manager.

## Specifications

Design and specifications are subject to change without notice.

### Development Kit (for PlayStation®4)

Power	100–240 V AC, 50/60 Hz
Maximum rated power	290 W
External dimensions (excluding maximum projecting part)	Approx. 370 × 118 × 226 mm (14.6 × 4.7 × 8.9 in) (width × height × depth)
Mass	Approx. 6 kg (13.23 lb)
Operating temperature	5 °C–35 °C (41 °F–95 °F)
Inputs/outputs on the system front	SuperSpeed USB (USB 3.0) ports × 3
Inputs/outputs on the system rear	HDMI™ OUT port*1 × 1 DIGITAL OUT (OPTICAL) port × 1 AUX port × 1 LAN port × 1 Development LAN port × 1 Development SuperSpeed USB (USB 3.0) port (Type-B) × 1 Development Hi-Speed USB (USB2.0) port (Mini-B) × 1 AC IN connector × 1
Supplied accessories	AC power cord for use in Oceania × 1 AC power cord for use in Europe and Korea × 1 AC power cord for use in UK × 1 AC power cord for use in USA and Canada × 1 AC power cord for use in Taiwan × 1 HDMI cable × 1 USB cable (Type-A - Micro-B) × 1 Mono headset × 1 Instruction manual (this document)*2 × 1
Laser	Type: Semiconductor, continuous BD Wavelength: 395–415 nm Power: Max. 1 mW DVD Wavelength: 640–675 nm Power: Max. 1 mW CD Wavelength: 765–805 nm Power: Max. 1 mW

\*1 Use the supplied HDMI cable. When replacing it, use a cable manufactured by Sony Corporation or a cable with the HDMI logo.

\*2 You can acquire the latest version of this document at the developer website (DevNet).

### Supplied HDMI cable and USB cable

HDMI cable	Company: SONY Parts No.: 1-846-918-11
USB cable	Company: SONY Parts No.: 1-846-919-11

## Contact information

For information about this product, contact technical support from the developer website (DevNet) or your local service dealer.

### Limitations of liability


This product is supplied pursuant to and subject to the terms of the tool loan agreement with Sony Computer Entertainment Inc. or its affiliates. Other than as expressly set forth by SCEI and/or any of its affiliates, except to the extent prohibited by applicable laws, SCEI and/or any of its affiliates shall not be liable for any damages, including special, incidental or consequential damages, or fees arising out of the use or inability to use this product.

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