

SONY®

SONY®

AR

دليل بدء التشغيل

Mobile Projector

Mobile Projector

Startup Guide

EN

Guía de inicio

ES

Guia Rápido

PT

시작 설명서

KR

คู่มือเริ่มต้นใช้งาน

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入門指南

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MP-CL1A

MP-CL1A

SONY

SEK 設計・技術部

MP-CL1A 3-MPA-011-01

表紙表

MP-CL1A 3-MPA-011-01

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CONFIDENTIAL

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More information

Refer to "Help Guide" in the menu for details about how to use the projector.

[ Information] ☐ ?Help guide]

"Help Guide" is also available on the Internet.

<http://www.sony.net/SonyInfo/Support/>



Please read the following instructions carefully before using the projector, and retain this manual for future reference.

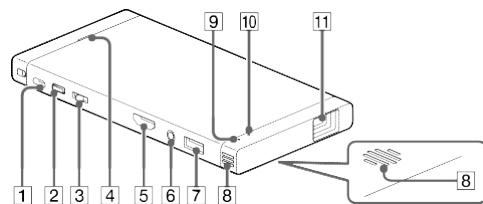
CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Do not point the laser light directly at eyes or people, nor look into it. Doing so may cause serious injuries such as loss of eyesight.

Checking the Bundled Items

- **Projector (1)**
- **Lens cover stand (1) (see pages 8 to 9)**
- **USB cable (1)**
- **Carrying pouch (1)**
- **Startup Guide (this manual, 1)**

Parts and Controls



- ☐ **Micro USB jack**
(only for charging the projector)
- ☐ **(power) button**
- ☐ **Jog lever (-/ENTER/+)**
Use this lever to select a menu item.
- ☐ **Speaker**
- ☐ **HDMI/MHL IN jack**
- ☐ **AUDIO OUT jack**
- ☐ **USB OUT jack**
(for power supply)
- ☐ **Ventilation holes**
- ☐ **(charge) lamp (red/orange/green)**
- ☐ **(power) lamp (white)**
- ☐ **Lens**
Laser radiates from this aperture.

About the status of lamp

The □ (power) lamp and the ➡□ (charge) lamp indicate the following projector conditions.

White □

Status of lamp	Projector condition
○	Power on
-	Power off
	Eco mode*

* The luminance of the screen may become low with the rising of the projector body's temperature.

Orange ➡□

Status of lamp	Projector condition
●	Charging
-	Finished charging / Disconnected

Status of lamp	Battery remaining
	70% to 100% remaining
	30% to 70% remaining
	0% to 30% remaining
	Empty*

* The □ (power) lamp (white) blinks at the same time.

Green ➡□

Status of lamp	Projector condition
●	Supplying power*
	Low battery

* When connected with the AC Adaptor

Red ➡ 

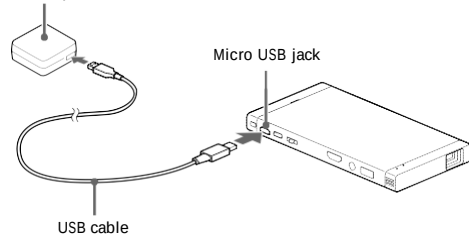
Status of lamp	Projector condition
 . . .  . . . 	Malfunction

Getting Started

Charging the projector

- 1 Connect the projector to a wall outlet with the USB cable (supplied) and an AC adaptor (sold separately).
The ➡  (charge) lamp lights in amber while charging.

AC adaptor



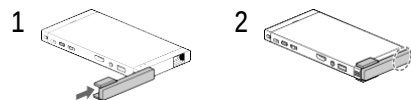
Turning the power on

- 1 Press and hold the  (power) button for longer than one second.
The  (power) lamp lights.
To turn off the projector, press and hold the  (power) button for longer than one second.

Using the lens cover stand

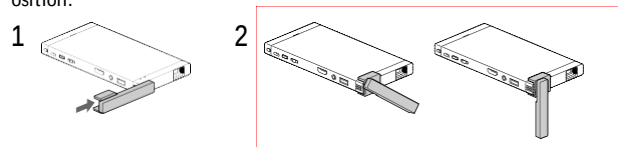
When protecting the projector's lens

Attach the lens cover stand by sliding from left to right.



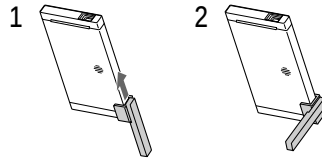
When projecting on a wall or in front

Attach the lens cover stand by sliding from left to right, then rotate the stand and adjust the tilt of the projector to set the projection position.



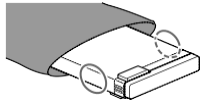
When projecting on the ceiling

Attach the lens cover stand by sliding it from the bottom to the top, then rotate the stand.



Note

When taking out the projector from the carrying pouch, hold its body tightly.



Connecting your Device

•Android device □ page 11 or page 12

You can connect your device by using screen mirroring or an MHL connection if your device is compatible.

Screen mirroring
(see page 11)



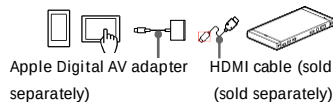
MHL connection
(see page 12)



MHL cable (sold separately)

•iOS device □ page 12

You can connect your device by using an HDMI connection. For the HDMI connection, an Apple Digital AV adapter is required.



Apple Digital AV adapter
(sold separately)

HDMI cable (sold
(sold separately)

•HDMI device (PC, game, and so on) □ page 12

You can connect your device by using an HDMI connection.



HDMI cable (sold separately)

Projecting the Contents or Screen of the Connecting Device

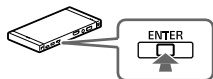
To enhance your viewing experience

- Project in a dark setting for best picture quality
- Project close to viewing surface in medium-light
- Project with confidence – it will focus automatically

You can connect other devices to the projector by using screen mirroring or cables.

Connecting via screen mirroring

- 1 Press the jog lever while at the “ENTER” position to display the menu of the projector.



- 2 Select [Input change] - [Screen mirroring] in the menu.



- 3 Enable the screen mirroring function of your device.
A list of connectable devices is displayed on the screen of your device.
For details, refer to the instruction manual of your device.
- 4 Select the projector (MP-CL1A) in the list.
- 5 Select [Return] - [X] in the menu of the projector to exit the menu.  
The screen of the connected device is projected.

Notes

- Screen mirroring utilizes Miracast technology. Therefore, a connection can be formed with devices that comply with Miracast. It is necessary for the transmitting device to support HDCP (High-bandwidth Digital Content Protection) 2.0/2.1/2.2.
- Apple devices cannot connect via screen mirroring. It requires an Apple Digital AV adapter (sold separately).
- Depending on the specification of the AC adaptor or the projecting contents, the battery remaining may decrease while connecting to the AC adaptor.

Connecting via HDMI or MHL cable

- 1 Connect other devices to the HDMI/MHL IN jack using an HDMI cable (sold separately) or MHL cable (sold separately).
- 2 Press the jog lever while at the "ENTER" position to display the menu of the projector.



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- 3 Select [ Input change] - [ HDMI/MHL] in the menu.



- 4 Select [ Return] - [] to exit the menu.
The content of the connected device is projected.

Notes

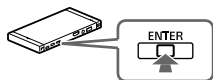
- Not all video devices have HDMI connectivity or MHL connectivity. To see if your video device has any of these capabilities, check its specifications or contact its manufacturer.
- Apple devices require an Apple Digital AV adapter (sold separately).
- Depending on the specification of the AC adaptor or the projecting contents, the battery remaining may decrease while connecting to the AC adaptor.

Connecting to External Speakers or Headphones

You can connect your speaker or headphone to the projector by using Bluetooth connection or cables.

Connecting via Bluetooth® connection

- 1 Set your speaker or headphone to pairing mode.
For details, refer to the instruction manual of your device.
- 2 Press the jog lever while at the "ENTER" position to display the menu of the projector.



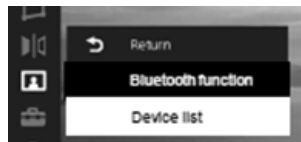
- 3 Select [@ Bluetooth function] - [@ Bluetooth function ON] in the menu.



The Bluetooth mark (gray) appears on the screen, and the projector shifts into the pairing mode.



- 4 Select [@ Device list] in the menu.



- 5 Select the device you want to connect with the projector from [Available devices] (or [Paired devices]), then select [Connect]. If passkey* entry is required, refer to the instruction manual or manufacturer of the device.

* A Passkey may be called a "Passcode," a "PIN code," a "PIN number," or a "Password."

- 6 Make sure that the Bluetooth mark color in the screen is black. If the mark color is gray, it means it is unconnected. In this case, re-try steps from 4 to 5.

Connected



Unconnected



- 7 Select [Close] - [✕] in the menu of the projector to exit the menu.

Hints

- Depending on the Bluetooth device, the projector may be connected with your speakers or headphones automatically as soon as they are paired.
- When the Bluetooth function is ON, you cannot use the internal speaker.
- The Bluetooth connection of the projector is only available for connecting with external speakers or headphones.
- If your Bluetooth device is not displayed on [Available devices], select [Refresh] and wait until your device is displayed.
- Select [Forget] to delete your device from [Paired devices].

Connecting using a cable

- 1 Connect your speaker or headphone to the AUDIO OUT jack using a cable.

Troubleshooting

The power does not turn on.

- If the remaining battery power is low or insufficient, charge the battery.
- Use the projector in a location with an ambient temperature of between 0 °C and 35 °C.
- Try turning the power off and on again.

The projector automatically shuts down during use.

- The battery may be depleted. Charge the battery.
- Check that the sleep timer is not turned on in the [Sleep timer] menu.
- The projector automatically shuts down when it overheats. Let it cool down before you operate it again.
- When the projector is in use, connected via MHL and powered by AC adaptor, the rate of power consumption may be more than the rate of charge. Depending on the remaining battery power, the projector may shut down. In the event this happens,

disconnect the MHL connection and connect the projector to a wall outlet to charge with USB cable (supplied) and an AC power adaptor (not supplied).

The □ (power) lamp (white) and the ◆□ (charge) lamp (red) blink at the same time.

- An internal error may have occurred. Press and hold the □ (power) button for longer than ten seconds to reset the projector.

The □ (power) lamp (white) and

the ◆□ (charge) lamp (orange) blink at the same time.

- The battery is almost depleted. Charge the battery.

Other devices cannot connect to the projector.

- Not all video devices have HDMI connectivity, MHL connectivity, or Miracast screen mirroring function. To see if your video device has any of these capabilities, check its specifications or contact its manufacturer.

An image becomes blurred.

- Set up "Optical alignment" or "Biphase alignment". For details, refer to the "Help Guide"

Specifications

Design and specifications are subject to change without notice.

Dimensions: Approx. 77.0 mm x 149.5 mm x 13.0 mm (3 1/8 inches x 6 inches x 17/32 inches) (W/H/L)

Weight: Approx. 210 g (7.4 oz.)
Operating temperature: 0 °C to 35 °C (32 °F to 95 °F)

Wi-Fi standards supported (Indoor use only in India): IEEE

802.11 a/b/g/n (2.4 GHz/5 GHz)

Bluetooth Specifications Communication system: Bluetooth specification version 3.0

Frequency band: 2.4 GHz band (2.4000 GHz - 2.4835 GHz)

Modulation method: FHSS Compatible Bluetooth profiles*1 A2DP (Advanced Audio Distribution Profile)

Supported Codec*2: SBC*3

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Output resolution: 1,920 × 720

Audio output: Φ3.5 Audio Jack

Speaker output: 1.0 W **HDMI/M**

HL input: HDMI/MHL 2 (HDCP1.4)

Diagonal projection image

size: 40 inches at projection distance of 1.15 m

Screen size: Max. 120 inches under completely dark room

Brightness: Average: 32 lumens/Equivalent Brightness: 40 lumens (30% white area)

Color reproducibility: Full color (16,770,000 colors)

Aspect ratio: 16:9

Contrast ratio: 80,000:1

Continuous projecting time (Full charge): Approx. 120 minutes

Light source/light source life: Laser diode/Approx. 10,000 hours

Laser class: Class 3R Wavelength: 445 nm to 639 nm
Beam divergence: 4.5 mrad.
Pulse Frequency: 60 Hz Output : 206 mW
FOV (horizontal): 42.1°

Input: DC5 V/1.5 A

Li-ion Battery: DC3.8 V/3400 mAh

Charging time: Via AC power adaptor (not supplied): Approx. 3.3 hours

Via USB Type A port:
Approx. 6.3 hours

Output: DC5 V/1.5 A, 1 port

*1 Bluetooth profiles are standardized according to the purpose of the Bluetooth device.

*2 Codec indicates the audio signal compression and conversion format.

*3 SBC stands for Subband Codec.

Notes on Use

- Do not point the laser light at a mirror, etc. as the reflected laser light may be harmful to eyes.
- Do not use the projector in areas where the use of wireless communications devices is prohibited, such as on airplanes or in hospitals. The projector emits radio waves and may affect electronic and medical appliances (pacemakers, etc.).
- Do not operate the unit if it has been wet or otherwise damaged, to prevent against electric shock, explosion and/or injury.
- Magnetic or electric noise may cause the noise from the projector to become louder or

interfere with its wireless communications.

- While using, TV, radio or tuner interference may occur. Use the projector away from these products.
- Access points may not be discovered correctly when there are multiple Wi-Fi access points that use the same channel.
- Children should only use the projector under adult supervision. Keep the projector out of reach of infants.
- Do not block the ventilation holes with hands, etc. When using the projector, be sure to use the stand (supplied) to prevent the ventilation holes from being blocked. Failure to do so would be dangerous as it may result in overheating of the projector.
- Do not put any foreign objects in the ventilation holes.
- Do not insert your fingernails into the ventilation holes and other slots, nor hook your fingernails on the gaps while using the projector.
- Do not short-circuit the projector. Do not allow metal objects such as hairpins to come into contact with the projector or its terminals.
- Do not disassemble or modify the projector.

- The battery is built-in with the projector and cannot be removed.
- Do not place the projector in fire nor heat it in a microwave oven or oven.
- Do not allow the projector to get wet with fresh water, sea water, milk, soft drinks or soap water. Do not use the projector while wet.
- Do not use or store the projector in a place where temperature is extremely high, such as near a fire, under direct sunlight, near a heater or in a car parked in the sun. Do not use the projector in a place with poor ventilation, such as while wrapped in a quilt/ blanket or in a bag.
- Do not apply a strong impact to the projector. Avoid hitting it with a hammer, putting any heavy object on top, stepping on it or dropping it.
- Avoid continuous contact between your skin and the projector while charging or in use. Doing so may cause low-temperature burns. Be careful of heat transmitted through clothes as it may also cause low-temperature burns.
- Before connecting a portable device to the projector, attach the

portable device's battery pack. Connecting a portable device while its battery is removed may cause loss of data or damage to the portable device.

- It has been reported that some portable devices may incur sudden loss of data recorded to memory whether or not they are used with the projector (for details, refer to the user manual supplied with the portable device). Before using the projector, be sure to back up data recorded to memory. Sony is not liable for loss of data.
- Do not touch or stick your finger into the connection parts.
- Refer also to the manual of the device that you use in conjunction with the projector as you may need to operate the device in order to use it with the projector.
- Sony is not liable for damage or loss resulting from the use of the projector, or for any claim from a third party.
- Sony is not liable for problems with your PC, cell phone or other hardware arising from the use of the projector; the suitability of the product for specific hardware, software, or peripherals; operating conflicts with other

installed software; data loss; or other accidental or unavoidable damages.

- Sony is not liable for financial damages, lost profits, claims from third parties, etc., arising from the use of the projector.
- If a malfunction occurs, stop use and contact your Sony dealer or authorized Sony service facility.
- HDMI/MHL cable is not supplied. Recommend to use Sony High Speed HDMI cable. Apple devices require an Apple Digital AV adapter (sold separately).
- When the projector body gets warm with use, the  (power)

lamp (white) blinks or the  (power) lamp (white) and the  (charge) lamp (red) blink at the same time. In this case, stop using the projector.

- Keep the distance between your device and the projector at 10 m or less when you connect your device to the projector via a Bluetooth connection. The effective range of the Bluetooth connection may become shorter depending on the conditions.
- Use the projector in a place where there is no dust or cigarette smoke because the projector is a precision apparatus.

- Before use, take the projector out of the carrying porch.
- Use on a stable or flat surface when using the projector with the lens cover stand.
- Do not place the projector close to credit and other cards. Doing so may result in the loss of recorded data.

Trademarks

- The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
- MHL, Mobile High-Definition Link and the MHL Logo are trademarks or registered trademarks of MHL Licensing, LLC.
- Wi-Fi, the Wi-Fi CERTIFIED logo are registered trademarks of the Wi-Fi Alliance.
- In addition, system and product names used in this manual are, in general, trademarks or registered trademarks of their respective developers or manufacturers. However, the ™ or ® marks are not used in all cases in this manual.
- Incorporates the PicoP® display technology developed by Microvision, Inc.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Sony Corporation is under license. Other trademarks and trade

names are those of their respective owners.

- Mac is a registered trademark of Apple Inc. in the United States and other countries.
- iPhone is a trademark or a registered trademark of Apple Inc.

WARNING

This device complies with part 15 of the FCC 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.

Any changes or modifications (including the antennas) to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement: FCC RF Radiation Exposure Statement: This equipment complies with FCC RF Radiation exposure limits set forth for an uncontrolled

environment. This device and its antenna must not be co-located or operating 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.

Modifications not expressly approved by the manufacturer could void your authority to operate the equipment under FCC rules.

LASER ENERGY - EXPOSURE
NEAR APERTURE MAY CAUSE
BURNS

RECYCLING LITHIUM-ION
BATTERIES



USA and Canada Only Lithium-ion batteries are recyclable.

You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.call2recycle.org>

Caution: Do not handle damaged or leaking Lithium-ion batteries.



The year and month of manufacture is printed on the bottom of this product at the left. The first four digits stand for the year and the last two stand for the month.

Complies with
IDA Standards
DA104328

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

*For USA only. Cu

stomer Service

Phone: (877) 440-3453 or (956) 795-4660 U.S.A.

e-mail: snl.service@am.sony.com INTERN

ET: <http://www.sony.com/battery>

LIMITED WARRANTY

U.S. and Canada only – For one year from the original date of purchase of the product.

Sony Electronics Inc. solely for purchases made in the United States and Sony of Canada Ltd. solely for purchases made in Canada (collectively “Sony”) warrants this product against defects in material or workmanship for the original owner and any subsequent end user owner(s) (“You” or “Your”) for the time period set forth above as set forth herein. Pursuant to this Limited Warranty, Sony will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or recertified/refurbished product of the same (or similar) model. For purposes of this Limited Warranty, “recertified” or “refurbished” means a product or part that has been returned to its original specifications. **In the event of a defect, these are Your exclusive remedies.** Sony does not warrant that the operation of the product will be uninterrupted or error-free.

Term: For the time period set forth above from the original date of purchase of the product when purchased directly from Sony or Sony authorized dealer (To determine if a dealer is in the Sony authorized dealer network, please visit US: www.sony.com/retailers; Canada: <https://dealerlocator.sony.ca/locator>; or contact Sony directly), Sony will, at its option, repair or replace with a new, recertified or refurbished

product or part, any product or part determined to be defective.

This Limited Warranty covers only the hardware components packaged with the product. It does not cover separate accessories, technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the product, and other included content; any such software or other included content is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty or End User License Agreement.

Please refer to the End User License Agreement(s) included with the product for Your rights and obligations with respect to the software or other included content. If You purchased an extended service plan, please refer to the service plan for the coverage, duration and terms of service. Extended service plans are not governed by this Limited Warranty.

To obtain warranty service, You must deliver the product, in either its original packaging or packaging affording an equal degree of protection to a Sony authorized service center together with a dated purchase receipt in order to obtain warranty service. Sony cannot guarantee that it will be able to repair any product under this warranty or make a product exchange without risk to or loss of software or data. **It is Your responsibility to remove or backup any removable media or parts, data, software or other materials You may have stored or preserved on Your product. It is likely that any media or parts, data, software, or other materials (like pictures, music, videos, etc.) will be lost or reformatted during service and Sony will not be responsible for any such damage or loss.** Contact the following for specific instructions on how to obtain warranty service for Your product:

For purchases made in the UNITED STATES: Visit Sony's Website: www.sony.com/support
Or call the Customer Experience Center: 1-800-222-SONY (7669)

To register Your product or for contact information to purchase accessories or parts go to Sony's Website

For purchases made in CANADA:
Visit Sony's Website: www.sony.ca/support
Or call the Customer Experience Center: 1-877-899-SONY (7669)

To register Your product or for contact information to purchase accessories or parts go to Sony's Website

On-site service for televisions of certain dimensions may be available to a customer living within a 50km radius of an authorized Sony service facility, provided the residence can be accessed by an on-road service vehicle.

Repair/Replacement Warranty: This Limited Warranty shall apply to any repair, replacement part or replacement, recertified or refurbished product for the remainder of the original Limited Warranty period or for ninety (90) days, whichever is longer. Any parts or product replaced under this Limited Warranty will become the property of Sony. Any replacement, recertified or refurbished product provided under this Limited Warranty may, at Sony's option, vary in color and/or cosmetic design from the original product and may not include any original engraving or similar customization/personalization.

Sony is not responsible for, and this Limited Warranty does not cover, any damage arising from a failure to operate the product within its intended uses, or otherwise follow the

owner's manual and safety instructions relating to the product's use and installation. This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use. This Limited Warranty does not cover products purchased from sources other than Sony or a Sony authorized dealer (including non-authorized online auctions), or issues due to: (i) outdoor exposure and other acts of nature; (ii) power surges; (iii) accidental damage; (iv) abuse; (v) limitations of technology; (vi) cosmetic damage; (vii) contact with liquid, heat, humidity or perspiration, sand, smoke, or foreign materials; (viii) use of parts or supplies not sold or authorized by Sony; (ix) servicing not authorized or performed by Sony or a Sony authorized service center; (x) computer or internet viruses, bugs, worms, or Trojan Horses; (xi) malfunctions due to peripherals/ accessories; (xii) modifications of or to any part of the product, including "rooting" or other modifications to control the behavior of the product or any factory installed operating system; (xiii) consumable parts such as batteries; or (xiv) any product where the factory-applied serial number has been altered or removed from the product. Further, to the extent this product incorporates use of a display, please note that a display contains hundreds of thousands of individual pixels, and displays typically contain a small number of pixels that do not function properly. This Limited Warranty does not cover up to .01% pixel outages (small dot picture elements that are dark or incorrectly illuminated).

This Limited Warranty does not cover Sony products sold "AS IS" or "WITH ALL FAULTS" or consumables (such as fuses or disposable batteries). Sony will not replace missing components from any package purchased "Open Box" or "AS IS". This Limited Warranty is valid only in the United States

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and Canada (as applicable).

LIMITATION ON DAMAGES: SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION ON THIS PRODUCT. NOR SHALL RECOVERY OF ANY KIND AGAINST SONY BE GREATER THAN THE ORIGINAL PURCHASE PRICE OF THE PRODUCT FROM SONY OR AN AUTHORIZED SONY DEALER.

DURATION OF IMPLIED WARRANTIES OR CONDITIONS: EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS LIMITED WARRANTY.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to You. This Limited Warranty gives You specific legal rights and You may have other rights which vary from jurisdiction to jurisdiction.

For purchases made in the U.S.: Read the following Dispute Resolution/Arbitration provision carefully. It details Your rights and instructions should a dispute related to the product arise.

What Happens If We Have A Dispute: Should a dispute or claim arise related to the product, Your purchase and/or use of the product, the terms of this Limited Warranty, or any service provided under the terms of this Limited Warranty (including any repair or replacement) ("Dispute"), You and Sony agree that the **Dispute shall be resolved exclusively through binding arbitration. YOU UNDERSTAND AND**

ACKNOWLEDGE THAT BY AGREEING TO ARBITRATION, YOU ARE GIVING UP THE RIGHT TO LITIGATE (OR PARTICIPATE IN AS A PARTY OR CLASS MEMBER) IN ANY DISPUTES IN COURT. You also agree that ANY DISPUTE RESOLUTION PROCEEDING WILL ONLY CONSIDER YOUR INDIVIDUAL CLAIMS, AND BOTH PARTIES AGREE NOT TO HAVE ANY DISPUTE HEARD AS A CLASS ACTION, REPRESENTATIVE ACTION, CONSOLIDATED ACTION, OR PRIVATE ATTORNEY GENERAL ACTION. Despite the above, You have the right to litigate any Dispute on an individual basis in small claims court or other similar court of limited jurisdiction, to the extent the amount at issue does not exceed \$15,000, and as long as such court has proper jurisdiction and all other requirements (including the amount in controversy) are satisfied.

Arbitration Instructions. To begin Arbitration, either You or Sony must make a written demand to the other for arbitration. The Arbitration will take place before a single arbitrator. The arbitration will be administered in keeping with the Expedited Procedures of the Commercial Arbitration Rules and the Supplementary Proceedings for Consumer-Related disputes ("Rules") of the American Arbitration Association ("AAA"), when applicable and in effect when the claim is filed. You may get a copy of AAA's Rules by contacting AAA at (800) 778-7879 or visiting www.adr.org.

The filing fees to begin and carry out arbitration will be shared between You and Sony, but in no event shall Your fees ever exceed the amount allowable by the special rules for Consumers Disputes provided for by AAA, at which point Sony will cover all additional administrative fees and expenses. This does not prohibit the Arbitrator from giving the winning party their fees and expenses of the arbitration

when appropriate pursuant to the Rules. Unless You and Sony agree differently, the arbitration will take place in the county and state where You live, and applicable federal or state law shall govern the substance of any Dispute during the arbitration. However, the Federal Arbitration Act, 9 U.S.C. § 1, et seq., will govern the arbitration itself and not any state law on arbitration. The Arbitrator's decision will be binding and final, except for a limited right of appeal under the Federal Arbitration Act.

Opt-Out Instructions. IF YOU DO NOT WISH TO BE BOUND BY THE BINDING ARBITRATION PROVISION, THEN: (1) You must notify Sony in writing within 30 days of the date that You purchased the product; (2) Your written notification must be mailed to Sony Electronics Inc., 16535 Via Esprillo, MZ 1105, San Diego CA 92127, Attn: Legal Department; AND (3) Your written notification must include (a) Your NAME, (b) Your ADDRESS, (c) the DATE You purchased the product, and (d) a clear statement that "YOU DO NOT WISH TO RESOLVE DISPUTES WITH ANY SONY ELECTRONICS ENTITY THROUGH ARBITRATION AND/OR BE BOUND BY THE CLASS ACTION WAIVER."

Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and You will continue to enjoy the benefits of the Limited Warranty. (T31-1)