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You can read the recommendations in the user guide, the technical guide or the installation guide for SONY HDR PJ530. You'll find the answers to all your questions on the SONY HDR PJ530 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SONY HDR PJ530
User guide SONY HDR PJ530
Operating instructions SONY HDR PJ530
Instructions for use SONY HDR PJ530
Instruction manual SONY HDR PJ530

SONY 4-530-437-11(1)

Digital HD Video
Camera Recorder

Operating Guide

Getting started
Recording/Playback
Saving images
Customizing your
camcorder
Others

Please also refer to :
<http://www.sony.net/SonyInfo/Support/>

AVCHD Progressive HDMI
iShare Memory Stick MSCD XDC
HANDYCAM. N

HDR-CX540/CX610E/PJ530E/PJ540/PJ540E/PJ610E



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Manual abstract:

@@ Model No. HDR Serial No. _____ Model No. AC- _____ Serial No. @@@@ Keep these instructions. Heed all warnings. Follow all instructions. Do not use this apparatus near water. Clean only with dry cloth. Do not block any ventilation openings.

Install in accordance with the manufacturer's instructions. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong.

The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician. **WARNING** To reduce the risk of fire or electric shock, 1) do not expose the unit to rain or moisture. 2) do not place objects filled with liquids, such as vases, on the apparatus. Do not expose the batteries to excessive heat such as sunshine, fire or the like. • GB 2 for replacement of the obsolete outlet.

• Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. • Only use attachments/accessories specified by the manufacturer. • Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. even chemical burns. Observe the following cautions. • Do not disassemble. • Do not crush and do not expose the battery pack to any shock or force such as hammering, dropping or stepping on it. • Do not short circuit and do not allow metal objects to come into contact with the battery terminals. • Do not expose to high temperature above 60°C (140°F) such as in direct sunlight or in a car parked in the sun.

• Do not incinerate or dispose of in fire. • Do not handle damaged or leaking lithium ion batteries. • Be sure to charge the battery pack using a genuine Sony battery charger or a device that can charge the battery pack. • Keep the battery pack out of the reach of small children. • Keep the battery pack dry. • Replace only with the same or equivalent type recommended by Sony. • Dispose of used battery packs promptly as described in the instructions. • Unplug this apparatus during lightning storms or when unused for long periods of time. • Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

• If the shape of the plug does not fit the power outlet, use an attachment plug adaptor of the proper configuration for the power outlet. □ AC Adaptor Do not use the AC Adaptor placed in a narrow space, such as between a wall and furniture. Use the nearby wall outlet (wall socket) when using the AC Adaptor. Disconnect the AC Adaptor from the wall outlet (wall socket) immediately if any malfunction occurs while using the apparatus. Even if your camcorder is turned off, AC power source (mains) is still supplied to it while connected to the wall outlet (wall socket) via the AC Adaptor.

CAUTION □ Battery pack If the battery pack is mishandled, the battery pack can burst, cause a fire or GB 3 Excessive sound pressure from earphones and headphones can cause hearing loss. without testing of specific absorption ratio (SAR). For Customers in the U.S.A.

and Canada □ **RECYCLING LITHIUM-ION BATTERIES** 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. For Customers in the U.S.A. If you have any questions about this product, you may call: Sony Customer Information Center 1-800-222-SONY (7669). The number below is for the FCC related matters only.

□ **Regulatory Information Declaration of Conformity Trade Name: SONY Model No.: HDR-CX540 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. 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. □ **Battery pack/AC Adaptor** 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.

CAN ICES-3 B/NMB-3 B 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 has very low levels of RF energy that are deemed to comply GB 4 Declaration of Conformity Trade Name: SONY Model No.: HDR-PJ540 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. 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.

This equipment must not be colocated or operated in conjunction with any other antenna or transmitter.

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. The supplied interface cable must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules. □ **CAUTION** You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment. For Customers in Canada This device complies with Industry Canada licence-exempt RSS standard(s).



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Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. □ 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 For Customers in Europe Hereby, Sony Corporation, declares that this equipment is in compliance GB 5 with the essential requirements and other relevant provisions of Directive 1999/5/EC. For details, please access the following URL: <http://www.compliance.sony.de/> □ Notice for the customers in the countries applying EU Directives Manufacturer: Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan For EU product compliance: Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany □ Notice If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the communication cable (USB, etc.) again. This product has been tested and found compliant with the limits set out in the EMC regulation for using connection cables shorter than 3 meters (9.8 feet).

The electromagnetic fields at the specific frequencies may influence the picture and sound of this unit. □ Disposal of waste batteries and electrical and electronic equipment (applicable in the European Union and other European countries with separate collection systems) This symbol on the product, the battery or on the packaging indicates that the product and the battery shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.

004% lead. By ensuring these products and batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery and the electrical and electronic equipment will be treated properly, hand over these products at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries. For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product or battery. For Customers in Singapore GB 6 Learning more about the camcorder (Help Guide) Help Guide is an on-line manual. Refer to it for in-depth instructions on the many functions of the camcorder. Table of Contents Read this first

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... 30 GB 7 Getting started Supplied items The numbers in () indicate the supplied quantity. • Camcorder (1) • AC Adaptor (1) • “Operating Guide& shooting mode. @@@@2 Select [Image Shot on This Device]. @@@@For Windows, the following functions are also available.

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@transfer, and add , and then select □ . @@@@□ Input the password displayed on the camcorder (first time only). □ Confirm that the SSID displayed on the camcorder is selected.

@@@@@□ Select the access point you want to register, enter the password, then select . 1 Install the dedicated software in your computer (first time only). Windows: PlayMemories Home www.sony.net/pm/ Mac: Wireless Auto Import http://www.sony.co.jp/imsoft/ Mac/ • If the software is already installed in your computer, update the software to the latest version. Saving images 3 If your computer is not started, turn on the computer. 2 Connect your camcorder to an access point as follows (first time only).

If you cannot register, refer to the instruction of the access point, or contact the person who set up the access point. 4 Start sending images from the camcorder to the computer. □ Press the (View Images) button on your camcorder. □ Select □ [Edit/ Copy] □ [Send to Computer]. • Images are automatically transferred to and saved on the computer.

• Only newly recorded images are transferred. Importing movies and multiple photos may take time. If the wireless access point has a WPS button □ On your camcorder, select □ [Setup] □ [Connection] □ [WPS Push]. □ Press the WPS button on the access point you want to register. GB 23 Customizing your camcorder Using the menus 1 Select .

2 Select a category. 3 Select a desired menu item. Scroll the menu items up or down. • Select to finish setting the menu or to return to the previous menu screen. GB 24 Others Precautions AC Adaptor Do not short-circuit the battery terminal with any metallic objects. This may cause a malfunction. • The camcorder is not dustproofed, dripproofed or waterproofed. • Do not let your camcorder get wet, for example, from rain or sea water. If your camcorder gets wet, it may malfunction. Sometimes this malfunction cannot be repaired.

• Do not aim the camcorder at the sun or strong light. Doing so may cause your camcorder to malfunction. • Do not use the camcorder near strong radio waves or radiation. The camcorder may not be able to record or play back images properly. • Do not use the camcorder on a sandy beach or anywhere dusty. Doing so may cause your camcorder to malfunction. • If moisture condensation occurs, stop using the camcorder until moisture evaporates. • Do not subject the camcorder to mechanical shock or vibration. If you do so, the camcorder may operate incorrectly or may not record images. In addition, the recording medium or recorded data may be damaged.

Playing back images with other devices You may not be able to play back images that were recorded on your camcorder with other devices normally.



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Also, you may not be able to play back images recorded on other devices with your camcorder. Recording and playback • Avoid rough handling, disassembling, modifying, physical shock, or impact such as hammering, dropping or stepping on the product. Be particularly careful with the lens. • To ensure stable operation of the memory card, it is recommended to format the memory card with your camcorder before the first use. Formatting the memory card will erase all the data stored on it and the data will be irrecoverable. Save your important data on your PC, etc. • Confirm the direction of the memory card. If you forcibly insert the memory card in the wrong direction, the memory card, memory card slot, or image data may be damaged. • Before starting to record, test the recording function to make sure the image and sound are recorded without any problems. • Television programs, films, video tapes, and other materials may be copyrighted. Unauthorized recording of such materials may be a violation of the copyright laws. • Compensation for the content of recordings cannot be provided, even if recording or playback is not possible due to a malfunction of the camcorder, recording media, etc. Others LCD monitor The LCD monitor is manufactured using extremely high-precision technology, so over 99.99% of the pixels are operational for effective use. However, there may be some tiny black points and/or bright points (white, red, blue, or green in color) that appear constantly on the LCD monitor. These points are normal results of the manufacturing process and do not affect the recording in any way. Camcorder temperature If you use the camcorder continuously for a long time, the camcorder gets very warm. This is not a malfunction. GB 25 Overheat protection Depending on the camcorder and battery temperature, you may be unable to record movies or the power may turn off automatically to protect the camcorder.

A message will be displayed on the LCD monitor before the power turns off or you can no longer record movies. In this case, leave the power off and wait until the camcorder and battery temperature goes down. If you turn on the power without letting the camcorder and battery cool enough, the power may turn off again or you may be unable to record movies. Specifications System Signal format: NTSC color, EIA standards (HDRCX540/PJ540) PAL color, CCIR standards (HDRCX610E/PJ530E/PJ540E/PJ610E) HD TV Movie recording format: AVCHD (AVCHD format Ver.2.0 compatible): Video: MPEG-4 AVC/H.264 Audio: Dolby Digital 2ch/5.1ch Dolby Digital 5.1 Creator*1 MP4: Video: MPEG-4 AVC/H.264 Audio: MPEG-4 AAC-LC 2ch *1 Manufactured under license from Dolby Laboratories.

Photo file format: DCF Ver.2.0 Compatible Exif Ver.2.3 Compatible MPF Baseline Compatible Recording media (Movie/Photo): Internal memory HDR-CX540/PJ540/PJ540E: 32 GB HDR-CX610E/PJ610E: 64 GB Memory Stick Micro (Mark2) media microSD card (Class 4 or faster) The capacity that a user can use (Approx.

) HDR-CX540/PJ540/PJ540E: 31.1 GB*2 HDR-CX610E/PJ610E: 62.4 GB*2 *2 1 GB equals 1 billion bytes, a portion of which is used for system management and/or application files. Only preinstalled demonstration movie may be deleted. Image device: 3.

1 mm (1/5.8 type) CMOS Sensor Recording pixels (photo, 16:9): Max. 9.2 mega pixels (4 032 × 2 272)*3 Gross: Approx. 2 510 000 pixels Effective (movie, 16:9)*4: Deactivating wireless LAN (Wi-Fi, NFC, etc.) temporarily When you board an airplane, you can deactivate the Wi-Fi function temporarily. Select [Setup] [General Settings] [Airplane Mode] [On]. Wireless LAN We assume no responsibility whatsoever for any damage caused by unauthorized access to, or unauthorized use of, destinations loaded on the camcorder, resulting from loss or theft. Troubleshooting If you run into any problems using your camcorder: • Check your camcorder referring to Help Guide (page 7). • Disconnect the power source, attach the power source again after about 1 minute, and turn the camcorder on.

• Initialize your camcorder. All settings, including the clock setting, are reset. • Contact your Sony dealer or local authorized Sony service facility. GB 26 Approx. 2 290 000 pixels Effective (photo, 16:9): Approx. 2 290 000 pixels Effective (photo, 4:3): Approx. 1 710 000 pixels Lens: G Lens 30× (Optical)*4, 60× (Clear Image Zoom, while recording movies)*5, 350× (Digital) Filter diameter: 46 mm (1 13/16 in.) F1.8 - F4.0 Focal length: f= 1.9 mm - 57.0 mm (3/32 in. 2 1/4 in.) When converted to a 35 mm still camera For movies*4: 26.8 mm - 804.0 mm (1 1/16 in. - 31 3/4 in.) (16:9) Color temperature: [Auto], [One Push], [Indoor], [Outdoor] Minimum illumination: 6 lx (lux) (in default setting, shutter speed 1/30 second (HDRCX540/PJ540) or 1/25 second (HDR-CX610E/PJ530E/PJ540E/ PJ610E)) 3 lx (lux) ([Low Lux] is set to [On], shutter speed 1/30 second (HDRCX540/PJ540) or 1/25 second (HDR-CX610E/PJ530E/PJ540E/ PJ610E)) *3 The unique image processing system of Sony's BIONZ-X allows still image resolution equivalent to the sizes described. *4 [SteadyShot] is set to [Standard] or [Off]. *5 [SteadyShot] is set to [Active]. Input/Output connectors HDMI OUT jack: HDMI micro connector PROJECTOR IN jack (HDR-PJ530E/ PJ540/PJ540E/PJ610E): HDMI micro connector MIC input jack: Stereo minijack (3.5 mm) Headphone jack: Stereo minijack (3.5 mm) USB jack: Type A (Built-in USB) Multi/Micro USB Terminal* * Supports Micro USB compatible devices. USB connection is only for output (HDR-CX610E/PJ530E/PJ540E/ PJ610E). LCD monitor Picture: 7.5 cm (3.

0 type, aspect ratio 16:9) Total number of pixels: 460 800 (960 × 480) Others Projector (HDR-PJ530E/PJ540/ PJ540E/PJ610E) Projection type: DLP Light source: LED (R/G/B) Focus: Manual Throw Distance: 0.5 m (1.6 feet) or over Contrast ratio: 1 500:1 Resolution (output): 640 × 360 Continuous projection time (when using the supplied battery pack): Approx. 1 h. 35 min. Wireless LAN Supported standard: IEEE 802.11 b/g/n Frequency: 2.4 GHz Supported security protocols: WEP/ WPA-PSK/WPA2-PSK Configuration method: WPS (Wi-Fi Protected Setup)/manual Access method: Infrastructure Mode NFC: NFC Forum Type 3 Tag compliant GB 27 General Power requirements: DC 6.8 V/7.2 V (battery pack), DC 5 V 1 500 mA (AC Adaptor), DC 8.4 V (DC IN jack) USB Charging: DC 5 V 1 500 mA Average power consumption: During camera recording using LCD monitor at normal brightness: 2.4 W Operating temperature: 0 °C to 40 °C (32 °F to 104 °F) Storage temperature: -20 °C to +60 °C (-4 °F to +140 °F) Dimensions (approx.): HDR-CX540/CX610E: 57.5 mm × 66.5 mm × 121 mm (2 1/4 in.

× 2 5/8 in. × 4 7/8 in.) (w/h/d) including the projecting parts 57.5 mm × 66.5 mm × 130.

5 mm (2 1/4 in. × 2 5/8 in. @ × 2 5/8 in. @ × 2 5/8 in. @ @ @ @ • The recording times are measured when recording movies with the default settings ([REC Mode]: [Standard], [Dual Video REC]: [On]).



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• microSDXC logo is a trademark of SD-3C, LLC. Others GB 29 Parts and controls Figures in () are reference pages. □ Power zoom lever (13, 14) □ PHOTO button (14) □ Multi interface shoe For details on compatible accessories of the Multi interface shoe, visit the Sony web site in your area, or consult your Sony dealer or local authorized Sony service facility. Operations with other manufacture’s accessories are not guaranteed. If you use a shoe adaptor (sold separately), you can also use accessories compatible with an Active Interface Shoe. NFC: Near Field Communication □ PROJECTOR FOCUS lever (17) (HDR-PJ530E/PJ540/PJ540E/PJ610E) □ LCD monitor/Touch panel □ Projector lens (HDR-PJ530E/ PJ540/PJ540E/PJ610E) □ N mark (21) □ (View Images) button (15) □ POWER button □ (My Voice Canceling) button □ PROJECTOR button (17) (HDRP530E/PJ540/PJ540E/ PJ610E) □ Speaker □ (microphone) jack (PLUG IN POWER) □ (headphones) jack □ Memory card access lamp (12) Suppresses the voice of the person recording the movie. □ Lens (G lens) □ Built-in microphone GB 30 □ Memory card slot (12) □ HDMI OUT jack □ PROJECTOR IN jack (17) (HDRP530E/PJ540/PJ540E/ PJ610E) □ To fasten the grip belt Others □ POWER/CHG (charge) lamp (9) □ START/STOP button (13) □ Battery pack (9) □ DC IN jack □ Loop for a shoulder belt □ Grip belt □ Built-in USB Cable (9) □ Multi/Micro USB Terminal Supports Micro USB compatible devices. This terminal does not support VMC-AVMI Adaptor Cable (sold separately). You cannot use accessories via an A/V remote connector. □ Tripod receptacle □ BATT (battery) release lever GB 31 GB Additional information on this product and answers to frequently asked questions can be found at our Customer Support Website.

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