

Live-View Remote

Startup Guide

This manual describes the basic operations of the Live-View Remote RM-LVR2.

Before use, it is necessary to connect to a camera via Wi-Fi as described in this manual.

For details, refer to the online Help Guide.
http://rd1.sony.net/help/cam/1530/h_zz/



RM-LVR2

English

Owner's Record

The model and serial numbers are located on the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call your Sony dealer regarding this product.

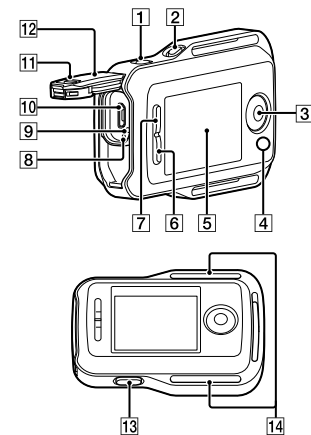
Model No. RM-LVR2 _____
 Serial No. _____

Precaution

The nameplate is located on the bottom exterior. If you need to check it, detach the belt.

Parts and controls

- 1 MENU button
- 2 DISP button
- 3 REC/ENTER button
- 4 REC/Wi-Fi lamp
- 5 LCD screen
- 6 DOWN button
- 7 UP button
- 8 CHG (Charge) lamp
- 9 RESET (Reset) button
- 10 Multi/Micro USB Terminal
- 11 Lock lever
- 12 Connector cover
- 13 ON/OFF button
- 14 Loop for a belt

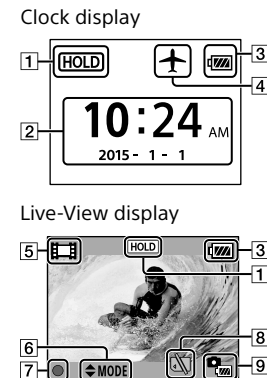


Screen Display

- 1 Button hold icon
- 2 Clock display
- 3 Battery level indicator of the remote control
- 4 Airplane mode icon
- 5 Shooting mode
- 6 Shooting mode switching indicator
- 7 REC icon
- 8 Memory card warning indicator
- 9 Battery level indicator of the camera

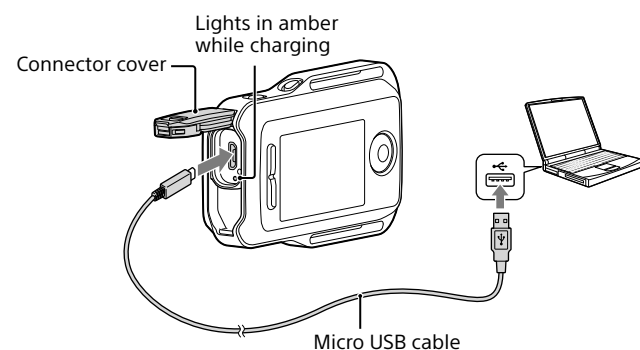
Notes

- The display varies depending on which camera is connected.



Charging the remote control

- 1 Check that the power of the remote control is OFF.
- 2 Connect the remote control to an activated computer with the micro USB cable (supplied).



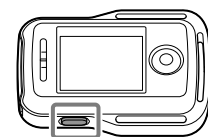
The CHG (Charge) lamp turns off when charging is completed.

Notes

- You can charge the remote control even if it is not completely discharged. Also, even if the remote control is not fully charged, you can use the partial charge capacity of the battery pack as is.
- When the power of the remote control is on, it is supplied with power but not charged.
- When the remote control is fully charged, the CHG (Charge) lamp turns off immediately.
- If you do not have a computer, use the AC adapter AC-UD10 (sold separately).

Turning on the remote control

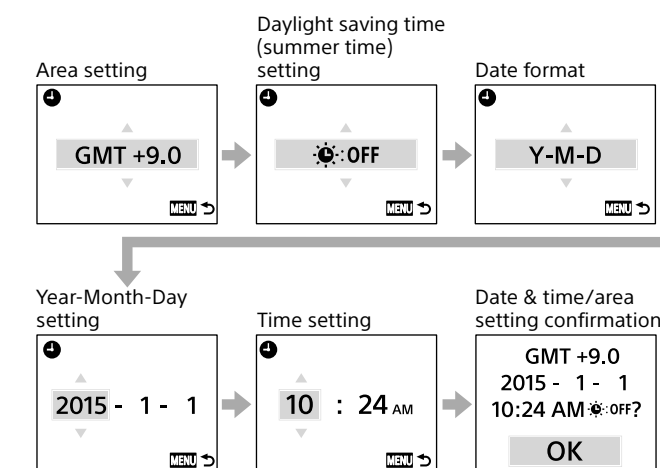
- 1 Press the ON/OFF button to turn on the remote control.



When the remote control is turned on for the first time, the date and time/area setting screen is displayed.

2 Set the date and time/area.

- Press the UP button or DOWN button to select the desired item, then press the REC/ENTER button.
- The date and time/area setting screen switches in the following order.



- Press the REC/ENTER button in the date & time/area setting confirmation screen to confirm the desired item, then the Wi-Fi standby screen will be displayed.

Notes

- Regions are defined by the time difference between Greenwich Mean Time (GMT) and the standard time of your home. For details on the time difference, refer to "The list of time differences for world capitals" in the online Help Guide.
- To set the date and time again, press the MENU button of the remote control to select "Date & time/area/daylight saving time (summer time) setting" from the Remote control setting.

Connecting the remote control to a camera via Wi-Fi

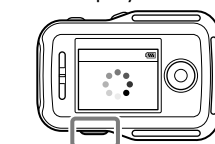
Connecting the remote control to a single camera (Single connection)

For details on the following operations, refer to the online Help Guide or the operating instructions of the camera.

- Multiple cameras (Multi connection)
- Cameras excluding Action Cam

- 1 Turn on the remote control.

When activating the remote control, the Wi-Fi standby screen will be displayed.



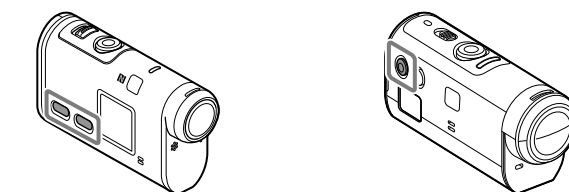
Notes

- If the Multi connection icon is displayed, press the MENU button of the remote control, select Connection mode from Remote control setting and set to Single connection.

- 2 Turn on the camera.

Action Cam excluding HDR-AZ1
 Press the NEXT or PREV button.

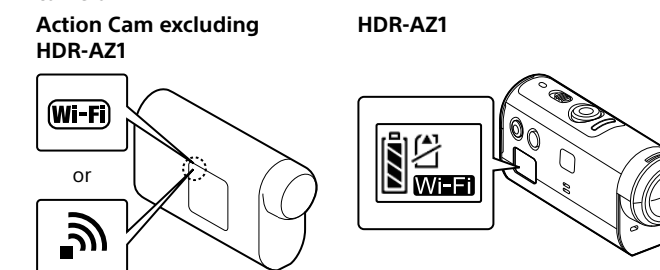
HDR-AZ1
 Press the ON/OFF button.



FDR-X1000V is illustrated above.

3 Check the camera settings.

Check that a Wi-Fi mark is displayed on the display panel of the camera.

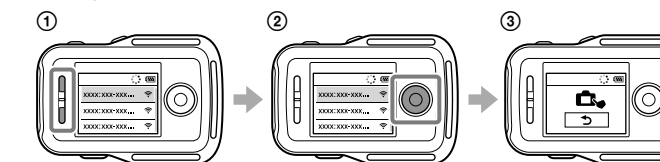


Notes

- If the connection mode of the camera is set to the multi connection, switch to the single connection.
- For HDR-AS15/AS30V, insert a memory card to the camera.

- 4 Select the camera you want to connect to the remote control.

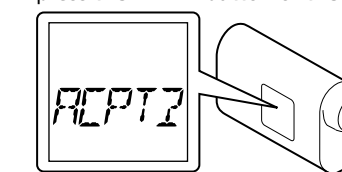
- 1 Select the SSID (the destination) from the connection destination list.
- 2 Press the REC/ENTER button.
- 3 When the remote control is in the standby status, proceed to step 5 within 2 minutes.



If you press the REC/ENTER button in the status illustrated in 3, the remote control will be released from the standby status. In this case, select the SSID of the camera again.

- 5 Connect the remote control to the camera.

Action Cam excluding HDR-AZ1
 When [ACPT?] is displayed on the display panel of the camera, press the ENTER button of the camera.



Notes

- If [ACPT?] is not displayed on the display panel of the camera, restart the camera and try again from step 3.

HDR-AZ1
 When you hear the connection confirmation beep, press and hold the Wi-Fi button of the camera until you hear the connection completion beep.



Notes

- For HDR-AZ1, the connection confirmation beep does not sound if Beep is set to OFF.
- If the connection confirmation beep does not sound, restart the camera and try again from step 3.

The REC/Wi-Fi lamp lights in blue, the LCD screen of the remote control switches to the Live-View display and connection is established.



Notes

- If the connection to the camera is not completed, the signal traffic may be heavy. In this case, move to another location and try again.

Switching shooting modes

Switch the shooting mode by pressing the UP/DOWN button on the Live-View display of the remote control. The shooting mode icon will be displayed on the upper left side of the display.



Recording

When recording movies

For details on the following operations, refer to the online Help Guide or the operating instructions of the camera.

- Still images
- Interval still images
- Loop recording

- 1 Press the REC/ENTER button to start recording.

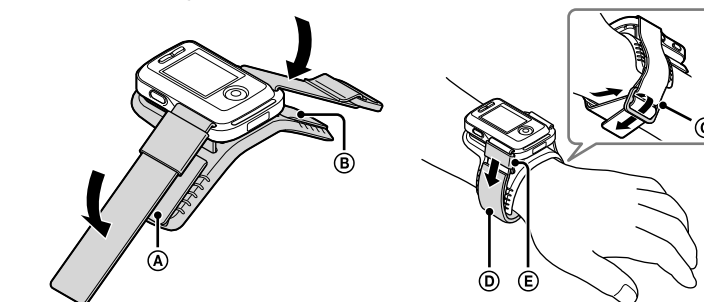
The REC/Wi-Fi lamp turns from blue to red.

- 2 Press the REC/ENTER button again to stop recording.

The REC/Wi-Fi lamp turns from red to blue.

Notes on attaching a belt to the remote control

- You can adjust the belt length depending on the pasting position of A and B.
- To fasten the remote control to your arm, wear it on the back of your hand. Then, thread the belt through C, facing the REC/ENTER button toward your fingertips, and the LCD screen toward your elbow. After attaching D, move E to cover the end of D.



- Attaching the belt incorrectly may cause injury.
- When placing the remote control on your right arm, set the screen rotation in the remote control settings to ON.
- When using the remote control attached to your arm, always attach the supplied base plate and belt correctly.
- Be careful not to drop the remote control when unfastening the belt.
- For details on attaching the belt to the remote control, refer to the Help Guide.



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.

⚠ CAUTION

Observe the following cautions, as there may be a risk of heat generation, fire or explosion.

- * Lithium-ion battery is built into the product.
- Charge the product by the designated charging method.
- Do not place the product in or near fire, or put the product in a microwave.
- Do not leave the product in a car in hot weather.
- Do not store or use the product in a hot and humid place such as in a sauna bath.
- Do not disassemble, crush or pierce the product.
- Do not expose the product to excessive shock such as dropping from a high place.
- Do not expose the product to high temperatures above 60 °C (140 °F).
- Keep the product dry.

Dispose of the product appropriately.

Charge the product by the designated charging method in the instruction manual.

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 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 without testing of specific absorption ratio (SAR).

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.: RM-LVR2
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 co-located or operated in conjunction with any other antenna or transmitter.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

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.

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.

For Customers in Canada

This device complies with Industry Canada’s licence-exempt RSSs. 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.

For Customers in Europe

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



Hereby, Sony Corporation, declares that this equipment is in compliance 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

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)

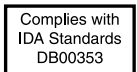
 This symbol on the product, the battery or on the packaging indicates that the product and the battery shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol.

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



For Customers in U.A.E.

TRA REGISTERED No:
ER0098751/12
DEALER No:
DA0073692/11

Note on using

[Live-View Remote]

Do not use/store the remote control in the following places

- In an extremely hot place
In places such as in a car parked in the sun, the remote control body may become deformed and this may cause a malfunction.
- In direct sunlight or near a heater
If you store the remote control in direct sunlight or near a heater, the remote control may become discolored or deformed, and these may cause a malfunction.
- In a location subject to strong vibration
- Near strong magnetic fields
- In sandy or dusty places
Be careful not to let sand or dust get into the remote control. This may cause the remote control to malfunction, and in some cases may be irreparable.

Wi-Fi function

- Use the remote control in accordance with the regulations of the area of use.
- You cannot use the Wi-Fi function of the remote control underwater.

Security in the use of wireless LAN devices

- To avoid hacking, access by malicious third parties, and other vulnerabilities, confirm that the wireless LAN is always secure.
- It is very important to set up security on a wireless LAN.
- If a problem occurs due to inadequate security measures or due to foreseeable circumstances, Sony Corporation is not responsible for any resulting damage.

On moisture condensation

If the remote control is brought directly from a cold to a warm location, moisture may condense inside or outside the remote control. This moisture condensation may cause a malfunction of the remote control.

If moisture condensation occurs

Turn off the remote control and wait about an hour for the moisture to evaporate.

Operating temperature

- The remote control is designed for use in temperatures between -10 °C and +40 °C (14 °F and 104 °F). Using in extremely cold or hot places outside this range is not recommended.
- The LCD screen and the cabinet become warm during operation. This is not a malfunction.

Handling the LCD screen

- Do not leave the LCD screen facing the sun as it may be damaged. Be careful when placing the remote control by a window.
- If the remote control is used in a cold place, horizontal lines or a residual image may appear on the LCD screen. This is not a malfunction. The LCD screen returns to normal when the remote control warms up.

About the water-proof performance of the remote control

The remote control is designed to be water-proof. Damage caused by misuse, abuse, or improper maintenance is not covered by the limited warranty.

- Do not subject the remote control to pressurized water, such as from a tap.
- Do not use in hot springs.
- Use the remote control in the water temperature range of 0 °C to 40 °C (32 °F to 104 °F).

Notes before using the remote control under/near water

- Make sure that no foreign matter such as sand, hair, or dirt gets inside the connector cover. Even a small amount of foreign matter may lead to water entering the remote control.
- Confirm that the sealing gasket and its mating surfaces have not become scratched. Even a small scratch may lead to water entering the remote control. If the sealing gasket or its mating surfaces become scratched, consult your Sony dealer or local authorized Sony service facility.
- If dirt or sand gets on the sealing gasket or its mating surfaces, wipe the area clean with a soft cloth that does not leave behind any fibers.
- Do not open/close the connector cover with wet or sandy hands or near water. There is a risk of sand or water getting inside. Before opening the connector cover, perform the procedure described in “Cleaning after using the remote control under/near water”.
- Open the terminal card cover when the remote control is completely dry.
- Always check that the connector cover is securely locked.

Notes on using the remote control under/near water

- Do not subject the remote control to shock such as by jumping into water.
- Do not open and close the connector cover while under/near water.
- The remote control sinks in water. Use the belt supplied with the remote control to prevent it from sinking.

Cleaning after using the remote control under/near water

- Always clean the remote control with water within 60 minutes of use, and do not open the connector cover before cleaning is finished. Sand or water may get inside where it cannot be seen, and will degrade water-proof performance if not rinsed out.
- Allow the remote control to sit in pure water poured into a cleaning bowl for about 5 minutes. Then, gently shake the remote control and press each button under the water to clean away any salt, sand or other matter lodged around the buttons.
- After rinsing, wipe away any drops of water with a soft cloth. Allow the remote control to dry completely in a shady location with good ventilation. Do not blow dry with a hair dryer as there is a risk of deformation and/or degraded water-proof performance.
- Wipe away any drops of water or dust from the connector cover with a soft dry cloth.
- Bubbles may appear when the remote control is placed underwater. This is not a malfunction.
- The remote control body may become discolored if it comes into contact with sunscreen or suntan oil. If the remote control does come into contact with sunscreen or suntan oil, quickly wipe it clean.
- Do not allow the remote control to sit with salt water inside it or on its surface. This may lead to corrosion or discoloration, and degradation of the water-proof performance.

Disposal

Remove the battery pack before disposing of the remote control.

Remove the battery pack

The built-in battery pack is recyclable.

When disposing of the remote control, remove the built-in battery pack.

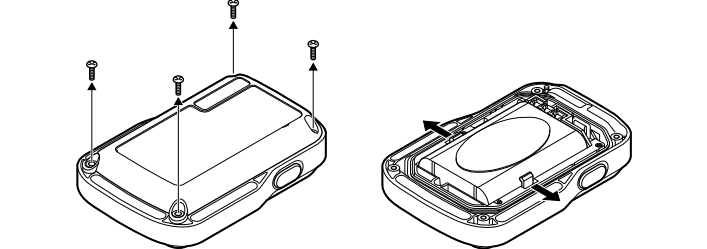
Notes
When removing the battery pack, be careful of the following.

- Remove the screws, etc. away from small children to prevent accidental swallowing.
- Be careful not to injure your nails or fingers.

Important information

Do not remove the screws except when disposing of the remote control. We will refuse repairs or replacement if we judge there to have been unwarranted disassembly.

- 1 Press the ON/OFF button to turn off the power of the remote control.
- 2 Disconnect the connected cables.
- 3 Remove the screws with a Phillips-head screwdriver. (4 screws)
- 4 Detach the cover.
- 5 Push the hook outwards and remove the battery pack.



Specifications

Power requirements: Rechargeable battery pack: 3.6 V (Internal battery)
Multi/Micro USB Terminal: 5.0 V
DC 5.0 V, 500 mA/800 mA
USB charging:
Via a computer: Approx. 4 h and 5 min.
Charging time:
Via a AC-UD10 (sold separately): Approx. 2 h and 55 min.

Waterproof performance:
Depth of water 3 m (10 feet), 30 minutes continuously (The waterproof performance is not guaranteed under all circumstances)

Operating temperature:
-10 °C to +40 °C (14 °F to 104 °F)

Storage temperature: -20 °C to +60 °C (-4 °F to +140 °F)
Dimensions (Approx.):

72.3 mm × 50.2 mm × 20.8 mm
(2 7/8 in. × 2 in. × 27/32 in.)
(W/H/D, excluding protrusions)

Mass:
Approx. 64 g (2.3 oz) (only the main body)

Total weight (when in use):
Approx. 95 g (3.4 oz)
(including the supplied belt and base plate)
Included items:
Live-View Remote (1), Micro USB cable (1)*, Belt (1), Base plate (1), Set of printed documentation

* Even if the remote control is sold with the camera, only one micro USB cable is included.

- Design and specifications are subject to change without notice for future upgrade.
- For more specifications, refer to the online Help Guide.

On trademarks

- Wi-Fi, the Wi-Fi logo, Wi-Fi PROTECTED SET-UP are registered trademarks of the Wi-Fi Alliance.
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