Checking the bundled items

- Camera body
- Micro USB cable (1)
- Rechargeable battery pack (BP-BY1) (2)
- Waterproof Case (SPK-AZ1) (2)
- Attachment Bungie (1)
- Flat Adhesive Mount (1)
- Curved Adhesive Mount (1)
- Tripod Adapter (1)
- Set of printed documentation

Parts and controls

- POWER lamp/Chg (Charge) lamp
- REC HOLD switch
- REC/Motion Picture button
- REC/Live View lamp
- Menu
- Microphone
- Tripod adapter attachment hole
- INFO mark
- Near Field Communication
- Speaker
- Display panel
- Display OFF button
- Wi-Fi button
- Connector cover (USB)
- Type-A mini USB/SD terminal
- Micro USB compatible devices
- PHOTO button
- Memory card insertion slot
- Memory card cover
- Access lamp
- Battery contact lever
- Battery eject sheet
- Battery eject sheet storage area
- Battery pack cover
- SSD label

Getting Started

Charging the battery pack

1. Open the cover.
2. Install the battery pack.
3. Align the mark of the battery with that of the camera.
4. Insert the battery pack into the battery pack slot and turn the lock lever to the OPEN side.

Inserting a memory card

1. Open the cover.
2. Slide the lock lever to the OPEN side.
3. Insert the memory card firmly into the memory card slot and then slide the lock lever to the LOCK side.

Connecting to a separately sold Live-View Remote

Refer to the operating guide of Live-View Remote for details on operation, referring to the following.

Connecting to the smartphone

Installing PlayMemories Mobile™ on your smartphone

- Android OS: Search for PlayMemories Mobile on Google Play, then install it.
- iOS: Search for PlayMemories Mobile on App Store, then install it.

When using one-touch functions (NFC), Android 4.0 or later is required.
- When using NFC, make sure that the Live-View Remote is set to the single connection mode.
- When performing each step again.
- During periods of extended shooting, camera temperature may rise to a point where shooting stops automatically.
- Charge the battery pack after using the camera. The battery pack and camera will be pre-warmed when you turn the power on.
- Charge the battery pack in an environment where the ambient temperature is between 5°C and 35°C.
- Connect the camera to an activated computer with the micro USB cable (supplied).
- A smartphone with PlayMemories Mobile installed.
- A smartphone with Android OS or iOS is required.
- The Wi-Fi function described in this Operating Guide is not guaranteed to work it on your smartphone.
- “Connecting to the smartphone” on this page and the instruction manual supplied with RM-LVR1 or RM-LVR2.
The camera is designed for use in temperatures between -5°C and 40°C (95°F) and has a splash-proof design. This camera is splash-proof.

Checking without a sticker
If the sticker is peeled off or becomes difficult to read, you can recall the user ID and password using the following procedure.

1. Insert a charged battery pack into the camera.
2. Connect the camera to a computer with the micro USB cable supplied.
3. Press the ON/OFF button to turn on the power.
4. Download the supplied software onto your computer, and then confirm your ID and password.

About dust-proof and waterproof performance
The camera is dust-proof and waterproof (Depth of water 5 m (16.4 feet)).

USB charging:
- A chargeable battery pack: 3.7 V (NP-BY1)
- AC Adaptor: 100-240 V, 50/60 Hz
- USB: A Type (Note: the DC socket on the AC Adaptor is not usable for USB charging.)

Camcorder data (approx.):
- Dimensions (W×H×D): 56×84×115 mm
- Weight (including battery and SD Memory Card): 390 g
- LCD monitor: 2.7" (68,000 pixels)
- Viewfinder: 0.36" (210,000 pixels)
- Maximum operating temperature: 40°C (104°F)
- Storage temperature: -5°C to 40°C (23°F to 104°F)
- Battery: NP-BY1 (chargeable battery)
- DC in (DC48V): 48 V (300 mA)

Camera and battery body may get warm with use – this is normal.

In very low-level temperatures, the temperature inside the camera may increase rapidly. Leave the camera alone for 10 minutes or longer to allow the temperature inside the camera to decrease to a safe level.

When the camera is charged with an AC power source (mains), the camera may get warm. It is recommended that you use the supplied AC Adaptor.

If the camera body and battery temperature rise quickly.

Under high ambient temperatures, the temperature of the camera rises quickly.

Camera and battery body may get warm with use – this is normal.

In very low-level temperatures, the temperature inside the camera may increase rapidly. Leave the camera alone for 10 minutes or longer to allow the temperature inside the camera to decrease to a safe level.

When the camera is charged with an AC power source (mains), the camera may get warm. It is recommended that you use the supplied AC Adaptor.

• Do not charge the battery under direct sunlight.
• Do not expose the battery to extremely high temperatures, such as in direct sunlight or in a car that is left in the sun.

CAUTION
- Do not use the camera if it is wet. This may cause a short circuit or damage to the battery or the camera. The camera may not function properly or may be damaged.
- Take proper care with the battery to prevent damage such as overcharging or over-discharging. Improperly charged batteries may not perform properly and may become hot or cause a fire or chemical burn.
- Read the user's guide and follow the instructions for using the battery correctly.
- Please keep a spare battery and keep it charged until you need it.
- If the battery cannot be charged, use a charged battery pack.
- If the battery contains more than 0.0005% mercury or 0.004% lead, it must be treated properly.
- This symbol indicates that the battery should be replaced by qualified service staff only.
- This symbol indicates 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.
- The battery is not a dangerous object; however, your hands may suffer burns or have inappropriate waste handling. The recycling of the materials will help to conserve natural resources.

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

This equipment has very low levels of RF energy that are deemed to be harmless to the user. It is extremely unlikely that these outputs would cause interference, and (2) this device may not cause interference, even if it does. However, there is no guarantee that interference will not occur in a specific installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are 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 which the receiver is connected to.
- 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 Part 15 of FCC Rules.

CAUTION
This equipment contains lithium-ion batteries. If you have any questions about this product, you may call: Sony Customer Information Center 1-800-222-SONY (1-800-222-7669)

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

For Customers in Singapore
This equipment complies with Industry Canada license-exempt RSS standard(s). 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
This equipment complies with the essential requirements and other relevant provisions of Directive 1999/5/EC of the European Parliament and of the Council for the following Accessory: Interface cable, power supply, and all other connection cables.

For Customers in the USA and CANADA
This device complies with part 15 of the FCC rules.

This equipment has been tested and found to comply with Part 15 of the FCC rules and with the class B limits for digital devices, pursuant to Subpart B of Part 15 of the FCC rules. The limits were designed to provide a 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 specific installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are 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 which the receiver is connected to.
- consult the dealer or an experienced radio/TV technician for help.

For Customers in Europe

For Customers in South Korea
This product complies with the KC Mark. If you have any questions about this product, you may call: Sony Customer Information Center 1-800-222-SONY (1-800-222-7669)

Notices
If static electricity or electromagnetic waves causes data transfer to disconnect 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 (10 feet).

The electromagnetic fields at the specific frequencies may influence the picture and sound.

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. By ensuring this product and battery 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 of the electrical and electronic equipment and batteries. In addition, system and product names used in this manual are, in countries.

For Customers in Canada
This device complies with Industry Canada license-exempt RSS standard(s). 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
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. By ensuring this product and battery 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 of the electrical and electronic equipment and batteries. In addition, system and product names used in this manual are, in countries.

For Customers in the USA and CANADA
This device complies with part 15 of the FCC rules.

This equipment contains lithium-ion batteries. You can help prevent environment by returning your used rechargeable batteries to the collection points for reuse.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-BATTnite (1-800-228-8648) or go to http://www.call2recycle.org.

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

Battery pack
This device complies with Part 15 of the FCC rules. 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 South Korea
This product complies with the KC Mark. If you have any questions about this product, you may call: Sony Customer Information Center 1-800-222-SONY (1-800-222-7669)

Notices
If static electricity or electromagnetic waves causes data transfer to disconnect 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 (10 feet).

The electromagnetic field, the specific frequencies may influence the picture and sound.

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. By ensuring this product and battery 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 of the electrical and electronic equipment and batteries. In addition, system and product names used in this manual are, in countries.