SONY

Digital HD Video Camera Recorder

Operating Guide

HDR-MV1

English

Read this first

Before operating the unit, please read this manual thoroughly, and retain it for future reference.

Learning more about the camcorder (Music Video Recorder User Guide)

The Music Video Recorder User Guide is an online manual. Refer to it for in-depth instructions on the many functions of the camcorder.

① Access the Sony support page.
http://www.sony.net/SonyInfo/Support/
② Select your country or region.
③ Search for the model name of the camcorder within the support page. Check the model name on the bottom of the camcorder.

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Supplied items

The numbers in ( ) are the supplied quantity.

☐ Camcorder (1)
☐ USB cable (Micro USB cable) (1)
☐ Rechargeable battery pack NP-BX1 (1)
☐ Lens cap (1)
☐ Cap string (1)
☐ "Operating Guide" (This manual) (1)
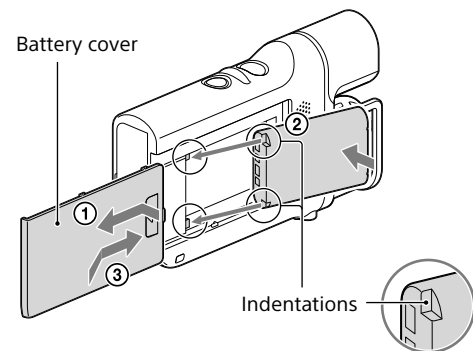
Owner's Record

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 upon your Sony dealer regarding the camcorder.

Model No. HDR-

SerialNo.

In some models, the nameplate showing trademarks, certification marks, and other information is located beside the battery holder.
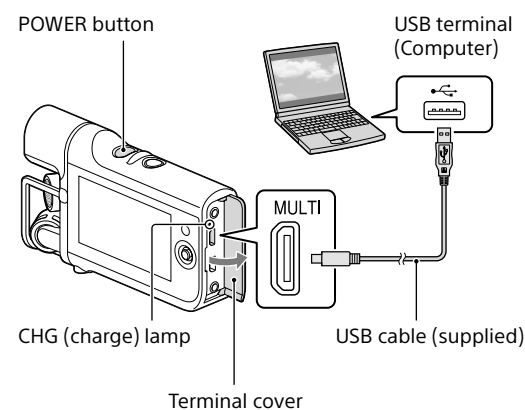
Installing the battery pack

1 Remove the battery cover.

2 Install the battery pack in the direction illustrated.

3 Attach the battery cover.

Battery cover

Indentations

Inserting a memory card

1 Open the memory card cover.

2 Insert the memory card straight in the direction illustrated until it clicks.

3 Close the memory card cover.

Memory card cover

microSD memory card

Terminal

"Memory Stick Micro"media

Printed surface

• To eject the memory card, push it in lightly once.
• microSD memory cards, microSDHC memory cards, microSDXC memory cards and "Memory Stick Micro"(Mark2) media are compatible with the camcorder.
• Operation with all memory cards is not assured.
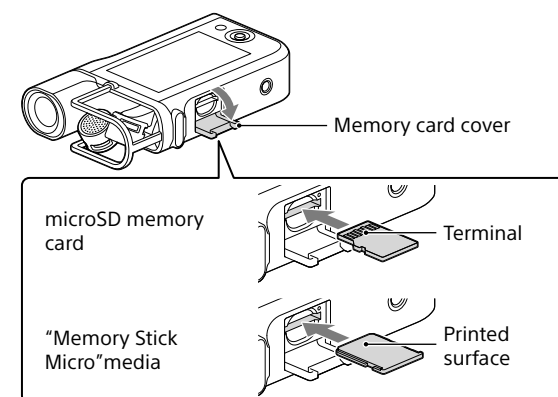

Charging the battery pack

1 Turn off the camcorder by pressing the POWER button.

2 Open the terminal cover of the camcorder.

3 Connect the camcorder to a running computer using the USB cable.

POWER button

USB terminal (Computer)

CHG (charge) lamp

USB cable (supplied)

Terminal cover

• Fully charging the battery pack takes approximately 245 minutes when connected to a computer or approximately 155 minutes when using the AC-UD10 AC Adaptor (sold separately).
• When you use a fully charged battery pack, available recording time is approximately 130 minutes (continuous recording time) or 75 minutes (typical recording time), or available playback time is approximately 210 minutes (at default settings).
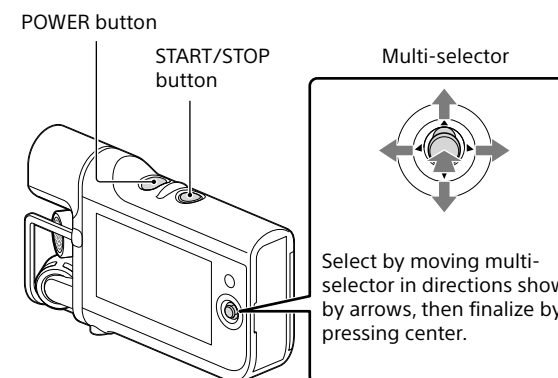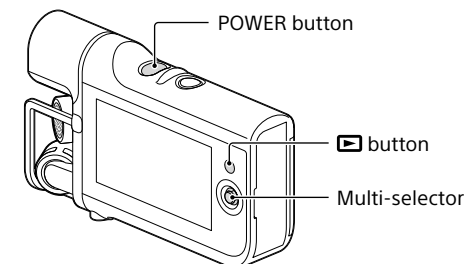
Inserting a memory card

1 Open the memory card cover.

2 Insert the memory card straight in the direction illustrated until it clicks.

3 Close the memory card cover.

Recording

1 Turn on the camcorder by pressing the POWER button.

2 Press START/STOP to start recording.
To stop recording, press START/STOP again.

POWER button

START/STOP button

Multi-selector

Select by moving multi-selector in directions show by arrows, then finalize by pressing center.

• When you turn on the power for the first time, the date and time setting screen is displayed. Configure settings using the multi-selector.
• The camcorder can record MP4 movies.
• Noise may be recorded when recording by holding the camcorder because it is equipped with a high-sensitivity microphone.
• The LCD screen will be dark during recording (at default settings).

Playback

1 Turn on the camcorder by pressing the POWER button.

2 Press the ▶ button on the camcorder to enter the playback mode.

3 Select contents you want to play back using the multi-selector, then press the center of the selector.

POWER button

▶ button

Multi-selector

Main buttons for playback operations

🔊 Volume	⏮/⏭ Previous/Next
🗑 Delete	◀◀/▶▶ Fast-reverse/fast-forward
■ Stop	⏸/▶ Pause/Play

Transferring movies to your smartphone (Wi-Fi)

1 Install the application on your smartphone.

PlayMemories Mobile

Android 2.3 or later (Android 4.0 or later if using NFC)

Search for and install PlayMemories Mobile from Google play.

ANDROID APP ON
Google play

iOS 4.3 or later (NFC is not available.)

Search for and install PlayMemories Mobile from App Store.

Available on the iPhone
App Store

• For details on PlayMemories Mobile, visit the following URL. (http://www.sony.net/pmm/)
• If PlayMemories Mobile is already installed in your smartphone, update the software to the latest version.
• This application is not guaranteed to work on all smartphones and tablets.
• The operation methods and display screens for the application are subject to change without notice by future upgrades.
• The information on supported OS versions is current as of September 1, 2013.

2 Select a movie on the camcorder that you want to transfer, and then transfer it by connecting to your smartphone.
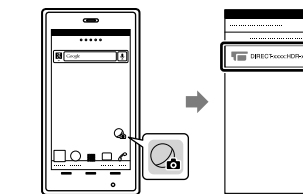
When connecting to an Android device compatible with NFC.

① Play back a movie on the camcorder that you want to transfer to your smartphone.
② Start the [Setting] menu and select [Other settings] on your smartphone, and confirm that [NFC] is enabled.
③ Touch ℕ (N mark) on the camcorder with ℕ (N mark) on your smartphone.

When connecting without using NFC.

① Enter the playback mode on the camcorder, and select MENU → [Edit/Copy] → [Send to Smartphone] → [Select on This Device].
② Select the image you want to transfer, and add ✔ mark, and then select OK → OK .
The SSID and the password are displayed, and the camcorder is ready for connection from your smartphone.
③ On your smartphone, select the SSID that is displayed on the camcorder, and then enter the password.

Android device:
1 Start up PlayMemories Mobile, and then select the SSID that is displayed on the camcorder.
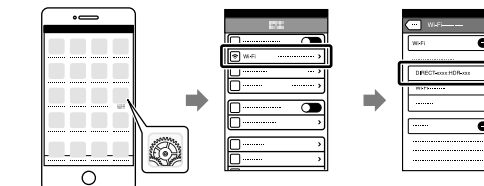

2 Enter the password that is displayed on the camcorder (first time only).
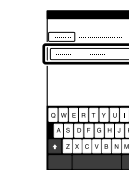
iPhone:
1 On your smartphone, select [Wi-Fi] in the settings menu, and then select the SSID that is displayed on the camcorder.

2 Enter the password that is displayed on the camcorder (first time only).

3 Confirm that the SSID is selected.
4 Start up PlayMemories Mobile.

Using your smartphone as a remote commander (Wi-Fi)

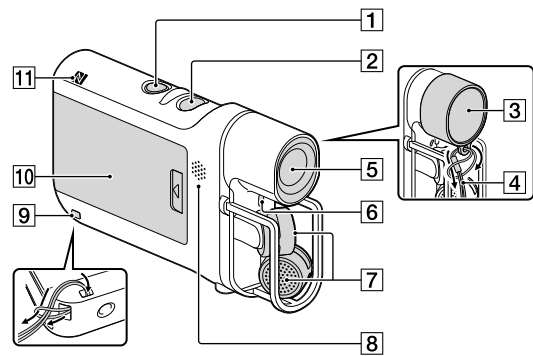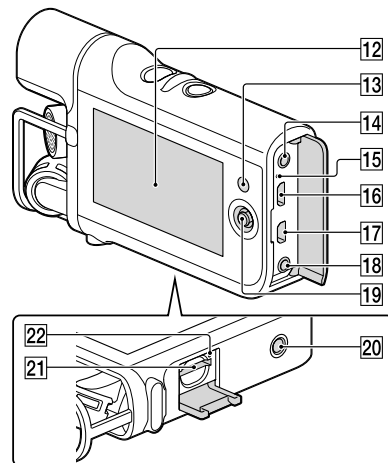1 Select 📶 Wi-Fi on the recording screen of the camcorder.

The SSID and the password are displayed on the camcorder, and the camcorder is ready for connection from your smartphone.

2 On your smartphone, select the SSID that is displayed on the camcorder, and then enter the password.

Perform the same procedure as in step ③ of "Transferring movies to your smartphone (Wi-Fi)"/"When connecting without using NFC."
If you want to use NFC, enter the recording screen, and then touch ℕ (N mark) on the camcorder with ℕ (N mark) on your smartphone.

3 Operate your smartphone.

Parts and controls

1. START/STOP button
2. POWER button
3. Lens cap
4. Cap string
5. Lens
6. Recording lamp
7. Microphones
8. Speaker
9. Loop for the cap string/the strap
10. Battery cover
11. ℕ (N mark)
    NFC: Near Field Communication

12. LCD screen
13. ▶ (Playback) button
14. ⌒ (headphones) jack
15. CHG (charge) lamp
16. Multi/Micro USB terminal
    Supports Micro USB compatible devices.
17. Micro HDMI OUT jack
18. LINE IN jack/🎤 (microphone) jack (PLUG IN POWER)
19. Multi-selector
20. Tripod receptacle
21. Memory card slot
22. Memory card access lamp

Recommended functions

To adjust the recording sound level of the built-in microphones
Select 🎤 on the recording screen.

To reduce low frequency sound such as that of air conditioners.
Select MENU → [Camera/Audio] → [♪ Audio] → [Low Cut Filter] → [On].

To monitor sounds
Plug headphones into the ⌒ (headphones) jack. To adjust the volume, select 🔊 on the recording screen.

To synchronize the image on the LCD screen with the sound being monitored.
Select MENU → [Camera/Audio] → [♪ Audio] → [Audio Output Timing] → [Lip Sync].

To use MTR (Multi Track Recorder) or an external microphone (sold separately)
Connect an MTR or external microphone to LINE IN jack of the camcorder. When the [Ext. Audio Input Set] screen appears, select the device you want to connect.

To record only sounds
Select MENU → [Recording Mode] → [Audio].

To change the audio recording format
Select MENU → [Camera/Audio] → [♪ Audio] → [Audio Format], and then select the desired format.

To change the movie recording mode
Select MENU → [Image Quality/Size] → [▮ REC Mode], and then select [1080] (1920x1080 30p) or [720] (1280x720 30p).

To record without worrying about the battery level
Connect the AC-UD10 AC Adaptor (sold separately) to the camcorder with the battery installed.

Notes on use

Notes on using your camcorder
• It is recommended to format the memory card with the camcorder before the first use.
• 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 contents data may be damaged.
• Compensation for the contents of recordings cannot be provided, even if recording or playback is not possible due to a malfunction of the camcorder, recording media, etc.
• During periods of extended recording, the temperature of the camcorder may rise to a point where recording stops automatically. With the power is turned off, leave the camcorder for 10 minutes or longer to allow the temperature inside to decrease to a safe level.
• Under high ambient temperatures, the temperature of the camcorder rises quickly.

• When the temperature of the camcorder rises, the image quality may deteriorate. It is recommended that you wait until the temperature of the camcorder drops before continuing to record.
• The surface of the camcorder may get hot. This is not a malfunction.
• Playback of contents recorded with other devices, is not assured on the camcorder.
• Use the nearby wall outlet (wall socket) when using the AC-UD10 AC Adaptor (sold separately). Disconnect the AC Adaptor from the wall outlet (wall socket) immediately if any malfunction occurs while using the apparatus.
• MP4 movies recorded with [Audio Format] set to [Linear PCM] cannot be played back on some equipment or services, including Blu-ray Disc players (including Sony products). For detailed information, check the camcorder support page before use.

About the software
• The content management and editing software can be downloaded from the following URL:
www.sony.net/pm/mvr/

Notice regarding wireless networks
• Sony bears no responsibility whatsoever for any loss or damages that may occur as a result of unauthorized access to or use of the access point registered to the camcorder if it is lost or stolen.

Specifications
Movie recording format: Video: MPEG-4 AVC/H.264, Audio: MPEG-4 Linear PCM 2ch, MPEG-4 AAC LC 2ch
Audio recording format: Linear PCM (WAV)
Power requirements: DC 3.6 V (Battery pack), DC 5 V 1 500 mA (AC Adaptor)
USB charging (Multi/Micro USB terminal): DC 5 V 800 mA
Average power consumption: 2.1 W (when recording movies at default settings)
Rechargeable battery pack NP-BX1:
    Maximum charge voltage: DC 4.2 V
    Maximum charge current: 1.89 A

For more specifications, refer to "Specifications" in the Music Video Recorder User Guide.
Design and specifications are subject to change without notice.

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