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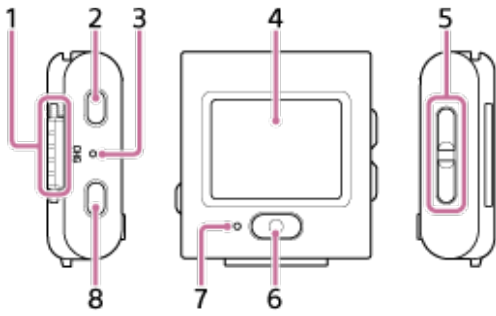
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[1] Read This First

Identifying the parts



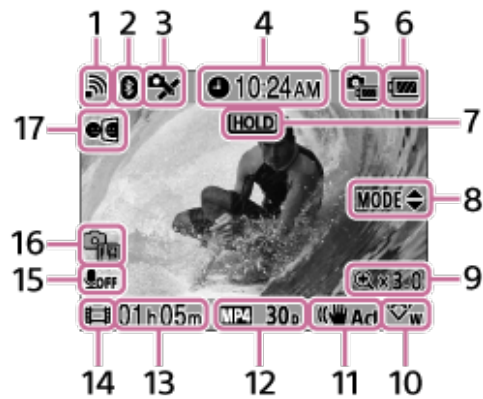
1. Terminal section
2. ⏻ (on/standby) button
3. CHG (Charge) lamp
4. LCD screen
5. UP button/DOWN button
6. REC/ENTER button
7. REC/Wi-Fi lamp
8. MENU button

[2] Read This First

Screen display during single connection

The indicators described below are displayed on the LCD screen during single connection.

- The indicators differ depending on the connected camera.
- The following illustration is an example shown in movie mode.



- The indicators in parentheses are displayed when shooting still images.
- Icons differ depending on the settings.

1. Wi-Fi connection setting
2. Bluetooth connection status
3. GPS receiving status of a camera
4. Clock time
5. Remaining battery charge indicator of the camera
6. Battery level indicator of the remote control



- When the remaining battery charge decreases, the battery level indicator will change in the direction of an arrow.

7. Button hold icon

8. UP button/DOWN button operation guide

9. Zoom ratio

10. Angle setting

11. SteadyShot setting





12. Shooting setting

- movie format **MP4**, frame rate **30p**, still image mode , self-timer **10s**, time-lapse

- shooting interval **1s**, time-lapse shot number **300**


13. Recordable time/Recording time/Memory card warning icon (recordable number)

14. Shooting mode indicator

- During movie recording,  appears. During still image shooting,  appears. During time-lapse capturing,  appears. During loop recording,  appears.
- "●" is displayed on the upper right area of an icon while recording.

15. Audio recording setting

16. Temperature increase indicator

-  is displayed when the temperature of the connected camera increases.
- Leave the power turned off to allow the temperature of the camera or the battery to decrease.

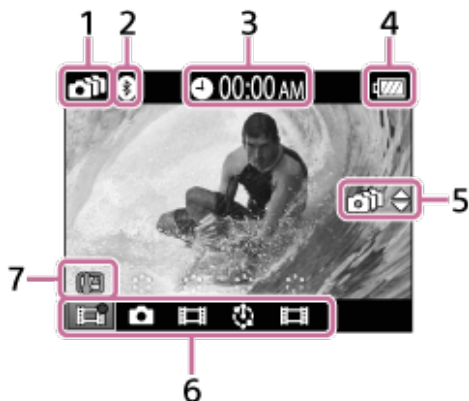
17. Mirror Mode setting

.

[3] Read This First

Screen display during multi connection

The indicators described below are displayed on the LCD screen during multi connection.



1. Wi-Fi connection setting
2. Bluetooth connection status
3. Clock time
4. Battery level indicator of the remote control



- When the remaining battery charge decreases, the battery level indicator will change in the direction of an arrow.


5. UP button/DOWN button operation guide

- Switches the connected camera.

6. Shooting mode indicator/REC icon

- The shooting mode and recording status of the connected camera are displayed. The position of the orange cursor indicates which camera is currently displaying Live-View.
- "●" is displayed on the upper right area of an icon while recording.

7. Temperature increase indicator

-  is displayed when the temperature of the connected camera increases.
- Leave the power turned off to allow the temperature of the camera or the battery to decrease.

[4] Getting Started

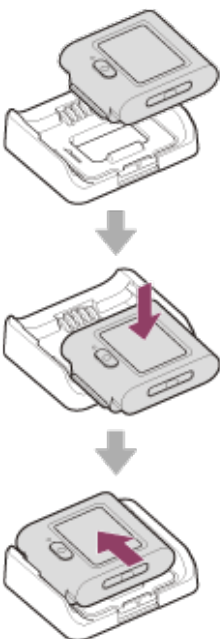
Charging the remote control

Charge the remote control using power supplied from the computer.

1 Check that the power of the remote control is turned off.

2 Attach the remote control to the cradle (supplied).

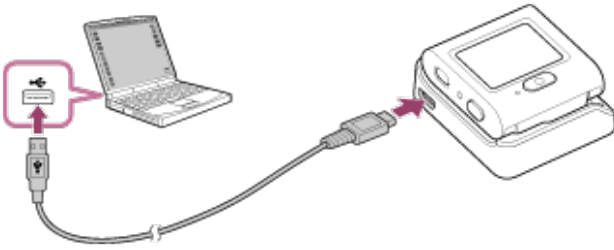
If the terminal section of the remote control is wet or dirty, wipe away the moisture or dust before attaching.



3 Connect the remote control to an activated computer with the micro USB cable (supplied).

- The CHG (Charge) lamp lights up in amber and charging begins.

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



Battery charging time^{*1} as follows.

Via a computer: Approx. 2 hours 25 minutes^{*2}

*1 Time required to charge a fully depleted battery pack at a temperature of 25°C (77°F). Charging may take longer under certain circumstances or conditions.

*2 Rapid charging is possible by using the AC Adaptor (sold separately). To connect to the AC Adaptor, use the micro USB cable (supplied).

Hint

- A remaining charge indicator appears on the upper right area of the LCD screen.
 - The displayed remaining charge indicator may not be correct under certain circumstances.
 - It takes about 30 seconds until the correct remaining charge indicator appears.
 - If the battery pack runs out quickly even though the remaining charge indicator is high, fully charge the remote control again. The remaining charge indicator will be then displayed correctly. Note that it may not be displayed correctly in the following situations:
 - The remote control is used for a long time at high ambient temperature.
 - The remote control is left fully charged.
 - The remote control is used heavily.
- Use the AC Adaptor (sold separately) for charging if you do not have a computer.
- 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 remote control is fully charged, the CHG (Charge) lamp turns off immediately.

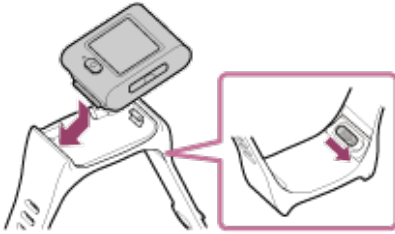
Note

- When the power of the remote control is turned on, it is supplied with power but not charged.
- Be careful not to short out the terminal section of the cradle by using materials such as metals.
- To maintain the remote control's function, fully charge the remote control at least once from six months to a year while storing. Also, store it in a cool, dry place.

Attaching the remote control to the belt

Attach the remote control to the belt.

- 1 Align the protruding portion of the remote control with the concave portion of the belt, while pulling the release lever on the rear of the belt toward the opposite side with your finger.



- 2 Make sure that the remote control is set into the belt, then remove your finger from the release lever.



- 3 To fasten the remote control to your arm, pass the one end of the belt through the hole on the other end of the belt, and fasten the belt with (A). Then slide (B) to hold the belt securely.



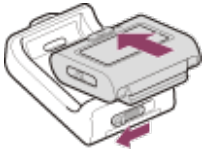
Note

- Attaching the belt incorrectly may cause injury.
- Be careful not to drop the remote control when unfastening the belt.

Attaching the remote control to the Mount Adaptor

The remote control set into the Mount Adaptor (supplied) can be used with a tripod.

- 1** Align the protruding portion of the remote control with the concave portion of the Mount Adaptor, while pulling the release lever of the Mount Adaptor toward the opposite side with your finger.



- 2** Make sure that the remote control is set into the Mount Adaptor, then remove your finger from the release lever.

- The release lever returns to the original position and the remote control is attached to the Mount Adaptor.



Turning on/off the power of the remote control

Turn on/off the power of the remote control.

- 1** Press the  (on/standby) button.





- When the remote control is turned on for the first time, the area/daylight saving time (summer time)/date and time setting screen is displayed.

Turning off the power

To turn off the remote control, press the  (on/standby) button again.

Hint


- When the remote control is turned on/off, the compatible camera (Bluetooth remote controller power compatible) can also be turned on/off (only when the Bluetooth setting is set to ON on the remote control and camera, and the Bluetooth remote controller power setting is set to   on the camera).

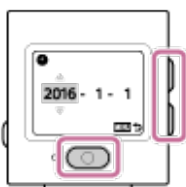
[8] Getting Started

Setting the date and time

When you use the remote control for the first time, the setting screens such as the date and time or date format are displayed. Set the date and time before using the remote control.

1 Press the UP button or DOWN button to select the desired item, then press the REC/ENTER button.

- The following items are displayed in turn on the LCD screen.
 - **GMT** : Area setting
 -  **OFF** : Daylight saving time (summer time) setting
 - **Y-M-D / D-M-Y / M-D-Y / M(Eng)-D-Y** : Date format
 - Year-Month-Day setting
 - Clock setting



2 Check the settings on the displayed screen, then press the REC/ENTER button.

Hint

- Regions are defined by the time difference between Greenwich Mean Time (GMT) and the standard time of your residence. For details on the time difference, see "The list of time differences for world capitals."
- You can set the above settings from the remote control settings. See "Date & time setting," "Area setting," "Daylight saving time (summer time) setting," and "Date format."

Checking the connection mode

Check that the connection mode of the remote control is set to the single connection before connecting the remote control and the camera via Wi-Fi.

- Refer to the Help Guide of the camera on the website for how to confirm the connection mode of the camera.

1 Turn on the power.

2 Press the MENU button.

3 Press the UP button or DOWN button to select  (Remote control settings) -   (connection mode), then press the REC/ENTER button.

4 Check that   (single connection) is selected, then press the REC/ENTER button.

- If the connection mode is set to   (multi connection), switch to   (single connection).

Connecting the remote control to a single camera via Wi-Fi

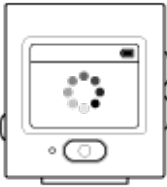
You can operate a single camera at a distance when the remote control is connected to the camera via Wi-Fi.

For details about how to operate a camera, refer to the operating instructions of the camera.

1 Turn on the remote control.

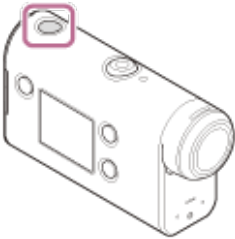


- The Wi-Fi standby screen is displayed when the remote control is activated.



2 Turn on the camera.

- **FDR-X3000/HDR-AS300/HDR-AS50**
Press the  (on/standby) button.



- **The camera excluding FDR-X3000/HDR-AS300/HDR-AS50/HDR-AZ1**
Press the NEXT or PREV button.

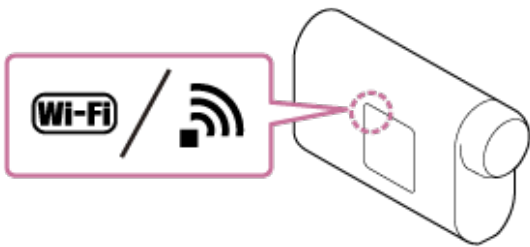


- **HDR-AZ1/Lens-style Camera (QX series)**
Press the ON/OFF (Power) button.

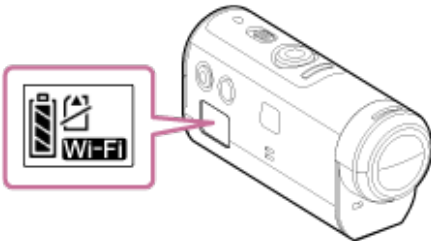


3 Check the camera settings.

- **The camera excluding HDR-AZ1**



- **HDR-AZ1/Lens-style Camera (QX series)**



- Check that a Wi-Fi mark is displayed on the display panel of the camera.
- For DSC-QX100/QX10, the Wi-Fi mark is not displayed on the camera display.
- If the connection mode of the camera is set to multi connection, switch to 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. Press the UP button or DOWN button to select the model name of the camera which you want to connect to the remote control.



2. Press the REC/ENTER button.



3. When the remote control is in the standby status, proceed to step 5.




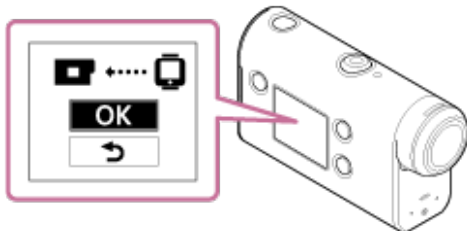
- If you press the REC/ENTER button in the standby status, the remote control will be released from the standby status. In this case, select the model name of the camera again.


- If the model name is not displayed, check that the camera is in single connection mode. Refer to the Help Guide of the camera on the website for how to check the connection mode of the camera.

5 Register the remote control to the camera.

- **FDR-X3000/HDR-AS300/HDR-AS50**

When  is displayed on the display panel of the camera, select **OK** (execute) of the camera, then press **the REC/ENTER button of the camera**.

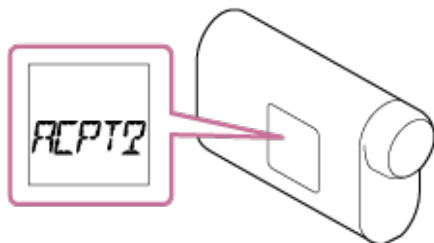


- If  is not displayed on the display panel of the camera, restart the camera and try again from step 3.

- **The camera excluding FDR-X3000/HDR-AS300/HDR-AS50/HDR-AZ1**

When [ACPT?] is displayed on the display panel of the camera, press **the REC/ENTER button of the camera**.

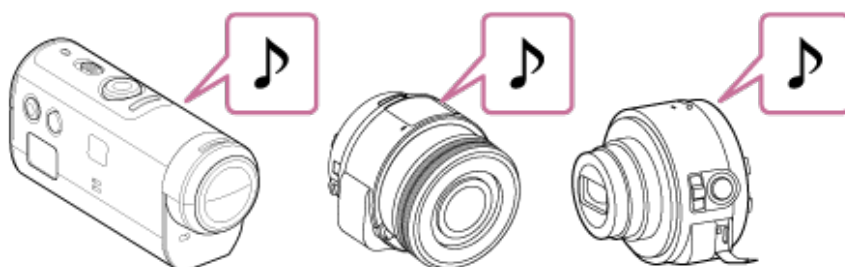
- If [ACPT?] is not displayed on the display panel of the camera, restart the camera and try again from step 3.



- **HDR-AZ1/Lens-style Camera (QX series)**

When you hear the connection confirmation beep, press and hold **the Wi-Fi button of the camera** (Shutter button for the DSC-QX100/QX10) until you hear the connection beep.

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



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



Note

- Once all procedures until step 5 are completed, the remote control and the camera will automatically be connected when you turn on the power.
- The shortened character string of the camera is displayed on the remote control with "DIRECT-" removed from the SSID.
- You cannot copy images recorded in the camera to the remote control.

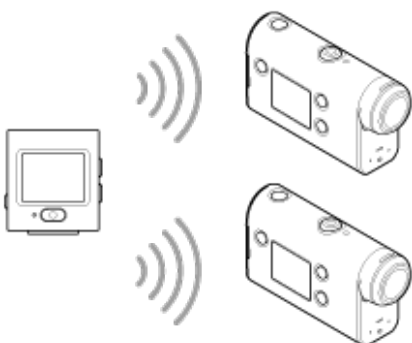
If you cannot connect the remote control to the camera via Wi-Fi/ if the connection is not established

- If the remote control cannot connect to the camera via Wi-Fi, check that the remote control is in single connection mode. If the remote control is not in the single connection mode, change the connection mode and try again.
- If the connection to the camera is not established, the signal traffic may be heavy. In this case, move to another location and try again.

[11] Getting Started | Connecting the remote control to multiple cameras via Wi-Fi (Multi connection)






Connecting the remote control to multiple cameras via Wi-Fi

You can connect the remote control to a maximum of five cameras and operate all cameras simultaneously.





1 Turn on the remote control.

2 Press the MENU button.





3 Press the UP button or DOWN button to select  (Remote control settings) -   (connection mode) -   (multi connection), then press the REC/ENTER button.

4 Press MENU button.

5 Press the UP button or DOWN button to select   (device registration), then press the REC/ENTER button.

6 Turn on the camera.

7 Register the remote control to the camera.

- **FDR-X3000/HDR-AS300/HDR-AS50**
Press the MENU button of the camera and press the UP button or DOWN button of the camera to select  (Camera Settings) -  ON (Wi-Fi connection setting) -  :  (multi connection) - **NEW**, then press the REC/ENTER button of the camera.
- **The camera excluding FDR-X3000/HDR-AS300/HDR-AS50/HDR-AZ1**
Select [MULTI] - [NEW] in the Wi-Fi settings.
- **HDR-AZ1/Lens-style Camera (QX series)**

Press the Wi-Fi button of the camera and switch the connection mode of the camera to the multi connection mode, then press and hold the Wi-Fi button of the camera.



Refer to the Help Guide of the camera on the website for how to switch the connection mode of the camera.

8 Select **OK** (execute) of the remote control, then press the REC/ENTER button.

- The requested connection is accepted and the LCD screen of the remote control switches to Live-View display.

9 If you will continue to connect multiple cameras, repeat from step 4.

Note



- Register cameras before connection standby mode of the remote control is canceled.
- The multi camera control function is only available with the compatible cameras.
- When operating a camera that does not support the multi camera control function, set the connection mode to   (single connection).
- You cannot copy images recorded in the camera to the remote control.
- The WPS method is used for connecting the remote control to multiple cameras. If there is another device using the WPS method in the vicinity of the cameras, the registration may fail. If the registration fails, reconnect by performing each step again.


[12] Getting Started | Connecting the remote control to multiple cameras via Wi-Fi (Multi connection)

Resetting the connection information of the registered camera

This function is only available when the camera is in multi connection.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Remote control settings) -  **RESET** (reset network settings), then press the REC/ENTER button.

3 Press the UP button or DOWN button to select **OK** (execute) or  (cancel), then press the REC/ENTER button.

[13] Shooting | Shooting movies and still images





Switching shooting modes

Switch the shooting mode by pressing the UP button or DOWN button on the Live-View display of the remote control during single connection.


- Some shooting modes cannot be set depending on the connected camera. Refer to the instruction manual of the connected camera.
- The shooting mode icon is displayed on the bottom left area of the display.



The switchable shooting modes are as follows.

-  Movie mode: Shoots movies.
-  Photo mode: Shoots still images.
-  Time-lapse capture mode: Keeps shooting still images at regular intervals.
-  Loop recording mode: Keeps recording movies according to the set time.

Hint

- You can also switch the shooting mode via MENU items on the remote control. The procedure for switching via MENU items is described below.
 - Press the MENU button to select  (shooting mode) in the setting items. Press the UP button or DOWN button to select the shooting mode, then press the REC/ENTER button.
- If you connect to the zoom function compatible camera while the Zoom setting of the camera is ON, press the UP button or DOWN button to operate camera zoom in the Live-View display.
- If you connect to a Lens-style Camera (QX series), press the UP button or DOWN button to operate the camera zoom in the Live-View display.

[14] Shooting | Shooting movies and still images

Shooting

Shoot movies or still images and record sound.

- Check the shooting mode before shooting.
- Some setting items cannot be set depending on the connected cameras. Refer to the instruction manual of the camera.

1 Press the REC/ENTER button of the remote control to start shooting.

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

2 To stop shooting, press the REC/ENTER button again.

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

Note

- You can shoot a still image by pressing the REC/ENTER button in photo mode.
The REC/Wi-Fi lamp does not turn to red.

[15] Shooting | Shooting movies and still images

Using the zoom

When the zoom setting of the camera is ON in the single connection mode, you can change the zoom magnification of the camera on the remote control.

1 Be sure that **ZOOM** is displayed on the LCD screen and the Zoom setting is ON.

If **ZOOM** is not displayed, check "Zoom setting."

2 Press the UP button or DOWN button to change the zoom magnification.

- UP button: Telephoto
- DOWN button: Wide angle

Note

- When the remote control is connected to multiple cameras, press the UP button or DOWN button to switch the Live-View display of the connected cameras on the remote control.
- Some cameras may not be compatible with this function.

[16] Shooting | Shooting movies and still images

Operating with the multi camera control

Operate multiple cameras on the remote control with multi connection.

- You can connect up to five cameras at the same time with multi connection.
- Some setting items cannot be set depending on the connected cameras. Refer to the instruction manual of the camera.
- Press the UP button or DOWN button of the remote control to move the cursor and switch the Live-View display on the LCD screen of the remote control to the display of any of the connected cameras.

Press the REC/ENTER button of the remote control to start recording on all connected cameras.

- The remote control operates according to the shooting mode of the connected camera.

To stop recording in Movie mode, Time-lapse capture mode, or Loop recording mode, press the REC/ENTER button of the remote control again.

Note

- The operation command from the remote control under multi camera control is sent to all connected cameras.
The following camera operations are available on the remote control. Other camera settings such as image quality etc. should be performed on the camera.
 - Changing the shooting mode
 - Starting/Stopping recording in Movie mode, Time-lapse capture mode, or Loop recording mode
 - Shutter operation for shooting still images
- The reaction time of the connected cameras may change depending on the situation of each camera. There may be a time lag between the connected cameras when starting recording, etc.
- If one or more of the connected cameras are recording, the REC/Wi-Fi lamp lights up in red.

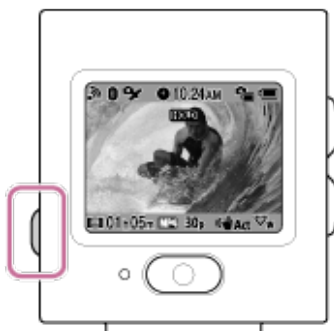
If you press the REC/ENTER button of the remote control at this time, the command to stop recording is sent to all the connected cameras.


[17] Shooting | Shooting movies and still images

Button hold function

This function prevents you from accidentally pressing the buttons of the remote control while carrying the remote control around.

Press the MENU button for 2 seconds or more to set the button hold function.



- In button hold mode, **HOLD** appears on the LCD screen of the remote control. The REC/ENTER button, MENU button, UP button and DOWN button of the remote control are disabled.
- To cancel the button hold mode, press the MENU button for 2 seconds or more, or press the  (on/standby) button to turn off the power of the remote control.

Note

- The button hold function is only available when the remote control is connected to a camera via Wi-Fi. When not connected, the button hold function cannot be used.
- The button hold function cannot be used while the MENU item is displayed.
- When the Wi-Fi connection between the remote control and the camera is disconnected, the button hold function is canceled.





[18] Changing the Settings | List of setting items

List of setting items






You can display and change the settings by pressing the MENU button while the camera and remote control are connected via Wi-Fi.

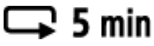

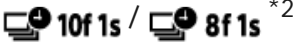




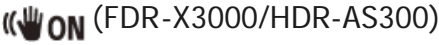



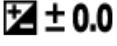


- Some setting items cannot be set depending on the connected cameras or selected shooting mode. Refer to the instruction manual of the camera.




Shooting modes

- : Movie mode
- : Photo mode
- : Time-lapse capture mode
- : Live streaming mode


/ / / Shooting settings*¹

Setting items				
1080 30p HQ	✓	–	–	✓
Image quality setting	✓	–	–	✓
MP4	✓	–	–	✓
Movie format	✓	–	–	✓
 LHD	–	–	✓	–
Time-lapse capture image size	–	–	✓	–





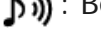



 5 min	-	-	-	✓
Loop recording time	-	-	-	✓
	-	✓	-	-
Still image mode switching	-	✓	-	-
 10f 1s / 8f 1s *2	-	✓	-	-
Still image shooting interval	-	✓	-	-
 OFF	-	✓	-	-
Self-timer	-	✓	-	-
 1 s	-	-	✓	-
Time-lapse shooting interval	-	-	✓	-
 300	-	-	✓	-
Time-lapse shot number	-	-	✓	-
 Act / ON *2	✓	-	-	✓
SteadyShot (Movie)	✓	-	-	✓
 ON (FDR-X3000/HDR-AS300)	-	✓	-	-
SteadyShot (Still)	-	✓	-	-
 W	✓	✓	✓	✓
Angle setting	✓	✓	✓	✓
 OFF	✓	✓	✓	✓
Zoom setting	✓	✓	✓	✓
 ,OFF	✓	✓	✓	✓
Flip	✓	✓	✓	✓
 ± 0.0	✓	✓	✓	✓
AE shift	✓	✓	✓	✓
 AE-T	-	-	✓	-
Time-lapse AE mode	-	-	✓	-
 SCN [N]	✓	✓	✓	✓
Scene	✓	✓	✓	✓
AWB	✓	✓	✓	✓
	✓	✓	✓	✓

White balance				
 Vivid†	✓	-	-	✓
Color mode				
 ON	✓	-	-	✓
Audio recording setting				
 OFF	✓	-	-	✓
Wind noise reduction				












Play mode *1

→  Plays and deletes movies/images using the remote control.

Camera Settings *1

-  : Bluetooth remote controller power setting
-  : Format *3
- **TC/UB** : Time code/user bit *4
-  OFF : IR remote
-  ON : Beep
-  : Beep volume
-  3 : Lamp setting
-  OFF : One touch recording
-  60s : Auto power off
- **NTSC** → **PAL** : Switching NTSC/PAL


Remote control settings

-  OFF : Airplane mode *5
-  : Connection mode *5, *6
-  ON : Bluetooth setting *5, *6
-  RESET : Network setting reset *6, *7
-  ON : Auto monitor off while shooting
-  OFF : Mirror Mode
-  ON : Display rotate
-  HI : Monitor brightness
-  : Date & time setting
-  GMT : Area setting
-  OFF : Daylight saving time (summer time) setting
- **D-M-Y / M-D-Y / M(Eng)-D-Y / Y-M-D** : Date format *8
- **Ver.** : Version
- **RESET** : Resetting the settings

Disconnect

 Disconnects the Wi-Fi connection and returns to the Wi-Fi device selection screen.

Device registration^{*7}

 Registers a camera to connect to the remote control for multi connection.

*1 Displayed only in the single connection.

*2 The icon varies depending on the connected camera.

*3 Displayed only when a memory card is inserted into the camera.

*4 Displayed only when set to movie mode/loop recording mode.

*5 Not displayed when the camera and the remote control are connected via Wi-Fi.

*6 Not displayed when the Airplane mode is set to ON.

*7 Displayed only in multi connection.

*8 The display varies depending on which country or region you purchased the remote control.

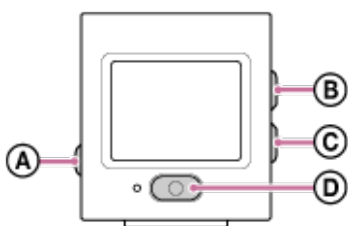
Note

- The setting items of the camera are displayed only when the camera and the remote control are connected via Wi-Fi (excluding the remote control settings).


[19] Changing the Settings | List of setting items

How to set the setting items

You can set items using the following 4 buttons on the remote control.



- **A** : MENU button
Displays the menu
 - **B** : UP button
Goes to the previous menu
 - **C** : DOWN button
Goes to the next menu
 - **D** : REC/ENTER button
Executes the menu
-

1 Press the  (on/standby) button to turn on the power.

2 Press the MENU button.

3 Press the UP button or DOWN button to select the icon of the item, then press the REC/ENTER button.




To retry, select , then press the REC/ENTER button.

[20] Changing the Settings | Shooting settings

Image quality setting

You can set the image resolution and frame rate for shooting movies or loop recording.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  /  (Shooting settings) -  (Image quality setting) - setting value, then press the REC/ENTER button.

4K (When the movie record format is set to XAVC S 4K) *1

2160 30p 100M / 2160 25p 100M XAVC S 4K 100Mbps

2160 30p 60M / 2160 25p 60M XAVC S 4K 60Mbps

2160 24p 100M XAVC S 4K 100Mbps*2

2160 24p 60M XAVC S 4K 60Mbps*2

HD (When the movie record format is set to XAVC S HD) *1

1080 60p 50M / 1080 50p 50M XAVC S HD 50Mbps

1080 30p 50M / 1080 25p 50M XAVC S HD 50Mbps

1080 24p 50M XAVC S HD 50Mbps*2

720 240p 100M / 720 200p 100M XAVC S HD 100Mbps

720 240p 60M / 720 200p 60M XAVC S HD 60Mbps

1080 120p 100M / 1080 100p 100M XAVC S HD 100Mbps

1080 120p 60M / 1080 100p 60M XAVC S HD 60Mbps

MP4 (When the movie record format is set to MP4) *1

1080 60p PS / 1080 50p PS Highest resolution (smooth image recorded at 2× frame rate)
1080 30p HQ / 1080 25p HQ Highest resolution
720 30p STD / 720 25p STD High resolution
720 120p HS / 720 100p HS High speed recording (smooth image recorded at 4× frame rate)
480 240p HS / 480 200p HS High speed recording (smooth image recorded at 8× frame rate)
720 SLOW Slow recording (slow motion image recorded at 2× frame rate)
720 SSLOW Super slow recording (slow motion image recorded at 4× frame rate)
480 VGA Standard resolution

*1 Frame rate changes depending on the NTSC/PAL setting.

*2 The setting is available only when the NTSC/PAL setting is set to NTSC.

Note


- The playback image frame rate displayed on the LCD screen will change according to the Wi-Fi communication status between the camera and the remote control (and it is different from the one used when shooting).

[21] Changing the Settings | Shooting settings

Movie format

You can select the movie format for shooting movies or loop recording.

1 Press the **MENU** button.

2 Press the **UP** button or **DOWN** button to select  /  (Shooting settings) - **MP4** (Movie format) - setting value, then press the **REC/ENTER** button.

- **4K** : Records a 4K (XAVC S) movie.

Select the desired image quality.

- **HD** : Records a HD (XAVC S) movie.

Select the desired image quality.

- **MP4** : Records an MP4 movie

Select this format if you want to upload to your smartphone or a website.

Note



- After selecting the Format, set "Image quality setting."



[22] Changing the Settings | Shooting settings

Time-lapse capture image size

You can set the image size of still images shot during time-lapse capture.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Time-lapse capture mode setting) -  (Time-lapse capture image size) - setting value, then press the REC/ENTER button.



-  (Shoots still image in 4K (3840 x 2160) (image size 8.3 M))
-  (Shoots still image in HD (1920 x 1080) (image size 2.1 M))






[23] Changing the Settings | Shooting settings

Loop recording time

Set the time range (media area) for loop recording.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Loop recording mode setting) -  5 min (Loop recording time) - setting value, then press the REC/ENTER button.

-  :5 min (Sets the loop recording time to 5 minutes. The size of created movie is 1 minute per file.)
-  :20 min (Sets the loop recording time to 20 minutes. The size of created movie is 5 minutes per file.)
-  :60 min (Sets the loop recording time to 60 minutes. The size of created movie is 15 minutes per file.)
-  :120 min (Sets the loop recording time to 120 minutes. The size of created movie is 15 minutes per file.)
-  :∞ min (Keeps recording continuously up to the limit of free space of a memory. The size

of created movie is 15 minutes per file.)



[24] Changing the Settings | Shooting settings

Still image mode switching

You can select either single shooting or continuous shooting when shooting still images.

- Single shooting and continuous shooting can only be set when shooting still images.



1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Photo mode setting) -  (Still image mode switching) - setting value, then press the REC/ENTER button.



-  : Single shooting

Shoots a single still image.

-  : Burst shooting

Shoots at the interval set in the  10f 1s /  8f 1s * (Still image shooting interval)

-  : Motion Shot LE

Generates a still image from still image continuously shot at the interval set in the  10f 1s /  8f 1s * (Still image shooting interval).

* The icon varies depending on the connected camera.

Note




- After shooting with Burst Shooting or Motion Shot LE mode, there is a processing time during which the next operation cannot be operated.

[25] Changing the Settings | Shooting settings





Still image shooting interval

You can select the continuous shooting setting for using burst shooting or Motion Shot LE.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Photo mode setting) -  /  * (Still image shooting interval) - setting value, then press the REC/ENTER button.

* The icon varies depending on the connected camera.

-  :10f 1s (Records a total of 10 still images in 1 second at a speed of 10 still images per second)
Suitable for shooting fast-moving objects.
-  :8f 1s (Records a total of 10 still images in 1.25 seconds at a speed of 8 still images per second)
Suitable for shooting fast-moving objects.
-  :5f 2s (Records a total of 10 still images in 2 seconds at a speed of 5 still images per second)
Suitable for action shots of objects.
-  :2f 5s (Records a total of 10 still images in 5 seconds at a speed of 2 still images per second)
Suitable for shooting slow-moving objects.◦

Note



- "10f1s", "8f1s", "5f2s", and "2f5s" are estimates of the maximum speed. The maximum speed may not be reached depending on the shooting conditions.




[26] Changing the Settings | Shooting settings

Self-timer


You can use self-timer when shooting still images.

1 Press the MENU button.

2 Press the **UP** button or **DOWN** button to select  (Photo mode setting) -  **OFF** (Self-timer) - setting value, then press the **REC/ENTER** button.

-  **:OFF** (Does not use self-timer)
-  **:2s** (Sets the self-timer to 2-second)
-  **:10s** (Sets the self-timer to 10-second)

Note



- You cannot use self-timer when recording movies.
- The self-timer function is enabled until it is cancelled. Set the self-timer to  **:OFF** after you finish using it.





[27] Changing the Settings | Shooting settings

Time-lapse shooting interval

You can set the interval of the time-lapse shooting.

1 Press the **MENU** button.

2 Press the **UP** button or **DOWN** button to select  (Time-lapse capture mode setting) -  **1s** (Time-lapse shooting interval) - setting value, then press the **REC/ENTER** button.

-  **:1s** (Continues to record still images at about 1-second intervals)
-  **:2s** (Continues to record still images at about 2-second intervals)
-  **:5s** (Continues to record still images at about 5-second intervals)
-  **:10s** (Continues to record still images at about 10-second intervals)
-  **:30s** (Continues to record still images at about 30-second intervals)
-  **:60s** (Continues to record still images at about 60-second intervals)



Note





- The first photo is recorded immediately when recording starts, without waiting for the completion of the set interval. The second and subsequent still images are recorded at the set intervals.
- Depending on your shooting condition, the speed may not reach the set speed.

Time-lapse shot number

You can set the number of still images shot during time-lapse capture.

1 Press the MENU button.





2 Press the UP button or DOWN button to select  (Time-lapse capture mode setting) -  300 (Time-lapse shot number) - setting value, then press the REC/ENTER button.






-  :300 (Shoots 300 still images)
-  :600 (Shoots 600 still images)
-  :900 (Shoots 900 still images)
-  :∞ (Continues to shoot still images until stop shooting)

SteadyShot (Movie)

You can activate the camera-shake reduction when shooting movie.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  /  (Shooting settings) -  Act (FDR-X3000/HDR-AS300) /  ON (except for FDR-X3000/HDR-AS300) (SteadyShot (Movie)) - setting value, then press the REC/ENTER button.



- FDR-X3000/HDR-AS300
 -  :Act (Uses all-encompassing the SteadyShot function when shooting movies)
 -  :Std (Uses the SteadyShot function when shooting movies)
 -  :OFF (Does not use the SteadyShot function when shooting movies)
- Except for FDR-X3000/HDR-AS300
 -  :ON (Uses the SteadyShot function when shooting movies)
 -  :OFF (Does not use the SteadyShot function when shooting movies)

SteadyShot (Still) (FDR-X3000/HDR-AS300)

You can activate the camera-shake reduction when shooting still images.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Photo mode setting) -  ON (SteadyShot (Still)) – setting value, then press the REC/ENTER button.

-  ON (Uses the SteadyShot function when shooting still images)
-  OFF (Does not uses the SteadyShot function when shooting still images)






Note




- This function cannot be used in the Time-lapse capture mode.

Angle setting

You can configure the angle of view of the camera.

1 Press the MENU button.






2 Press the UP button or DOWN button to select  /  /  /  (Shooting settings) -  W (Angle setting) - setting value, then press the REC/ENTER button.



-  W : Wide (Records with a wide angle of view)
-  M : Medium (Records with a standard angle of view) (FDR-X3000/HDR-AS300)
-  N : Narrow (Records with a narrow angle of view)

Zoom setting

You can set whether to use the digital zoom.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  /  /  /  (Shooting settings) -  OFF (Zoom setting) - setting value, then press the REC/ENTER button.



-  :ON (Uses the digital zoom function)
-  :OFF (Does not use the digital zoom function)

Flip

You can record the image upside down. This function is useful when the camera is attached upside down.

1 Press the MENU button.



2 Press the UP button or DOWN button to select  /  /  /  (Shooting settings) -  ,OFF (Flip) - setting value, then press the REC/ENTER button.



-  ,ON (Flips the image vertically and swaps the left and right sound channels)
-  ,OFF (Does not flip the image)

AE shift

You can adjust the exposure according to your preference.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  /  /  /  (Shooting settings) -  ± 0.0 (AE shift) - setting value, then press the REC/ENTER button.



-  : ± 0.0 (Does not use the AE shift)
-  : $+ 0.3$ (Uses the AE shift (Set +0.3EV for example))



[35] Changing the Settings | Shooting settings

Time-lapse AE mode

Set the adjustment method of automatic exposure (AE) during time-lapse capture.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Time-lapse capture mode setting) -  (Time-lapse AE mode) - setting value, then press the REC/ENTER button.

-  (Adjusts the exposure for each shot. Smoothly follows changes in brightness)
-  (Sets a fixed exposure when shooting starts)

[36] Changing the Settings | Shooting settings



Scene

You can set the shooting scene.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  /  /  /  (Shooting

settings) - **SCN**  (Scene) - setting value, then press the REC/ENTER button.





- **SCN**:  (Shoots images in the standard quality)
- **SCN**:  (Shoots images in an image quality suitable for underwater shooting)





[37] Changing the Settings | Shooting settings

White balance

You can adjust the color balance to the recording environment.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  /  /  /  (Shooting settings) - **AWB** (White balance) - setting value, then press the REC/ENTER button.

- **AWB** (Adjusts the white balance automatically so that the colors appear natural)
- **WB**  (Adjusts for the color temperature of the light source (from 2500K to 9900K))
- **WB**  (Uses the setting acquired from  **SET**)
-  **SET** (Acquires the base white color for shooting under the light source)*




* Place a white reference object under the same lighting conditions as the subject and press the REC/ENTER button.



[38] Changing the Settings | Shooting settings

Color mode

You can change the image color tone when shooting movie or loop recording.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  /  (Shooting settings) -  (Color mode) - setting value, then press the REC/ENTER button.




-  (Records in natural colors)
-  (Records in vivid colors)



[39] Changing the Settings | Shooting settings

Audio recording setting

Set whether to record audio while shooting movies.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  /  (Shooting settings) -  ON (Audio recording setting) - setting value, then press the REC/ENTER button.


- :ON (Records sound when shooting a movie)
- :OFF (Does not record sound when shooting a movie)



[40] Changing the Settings | Shooting settings

Wind noise reduction

This function automatically cuts low-range wind noise while recording audio using the built-in microphone of the camera.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  /  (Shooting settings) -  OFF (Wind noise reduction) - setting value, then press the REC/ENTER button.



- :ON (Cuts low-range to reduce wind noise)
- :OFF (Does not reduce wind noise)





[41] Changing the Settings | Camera settings



Bluetooth remote controller power setting

The remote control is able to turn on/off cameras that have already been paired with the remote control by communicating via Bluetooth.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Camera Settings) -  (Bluetooth remote controller power setting) - setting value, then press the REC/ENTER button.

-   (Ability to turn the camera on/off with the remote control is enabled.)
-   (Ability to turn the camera on/off with the remote control is disabled.)

To enable this function, it is necessary to set the above setting to   and the Bluetooth setting of both the remote control and camera to ON in advance.

Hint

- When the camera has a multi connection with the remote control, up to five cameras can be turned on simultaneously when the remote control is turned on.

Note

- This function cannot be used when the Airplane mode is ON.
- You can operate the power of the remote control simultaneously with the camera while the remote control is connected to the camera.
- The power of the camera may not be operated with the remote control simultaneously depending on your surroundings when in use. In this case, operate the power of the remote control again.

[42] Changing the Settings | Camera settings

Format

Delete all movies and still images in the media on the camera to restore the media to its initial state.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Camera Settings) -  (Format), then press the REC/ENTER button.

Formatting starts when you select **OK** (execute), then press the REC/ENTER button.
Formatting cancels when you select **↶** (cancel), then press the REC/ENTER button.
The formatting completes when a screen with check mark is displayed. Press the REC/ENTER button to return to the previous MENU.

Note


- Save important images to devices such as a computer before formatting.
- You cannot format the camera from the remote control when the remote control is not connected to the camera via Wi-Fi.

[43] Changing the Settings | Camera settings

Time code/user bit

You can use the time code/user bit function when the shooting mode is set to the movie mode and the movie record format is set to XAVC S.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Camera Settings) - **TC / UB** (Time code/user bit) - setting item, then press the REC/ENTER button.

The set items and details are as follows.

(Sets the time code)

1. Press the UP button or DOWN button to select 2-digit numbers, then press the REC/ENTER button.
2. Repeat step 1 until you set four 2-digit numbers, then return to the previous MENU.

- The time code can be selected within the following range.
 - When selecting 30p or 60p
00:00:00:00 - 23:59:59:29
 - When selecting 25p or 50p
00:00:00:00 - 23:59:59:24
 - When selecting 24p, you can set the last 2 time code digits of the frames in multiples of 4, between 0 and 23.

(Resets the time code)

- Reset is executed when you select **OK**, then press REC/ENTER button.

TC FORMAT (Selects the time code recording method)

- **DF** : Records the time code in drop frame.
- **NDF** : Records the time code in non-drop frame.*

* In the following situations, the time code is fixed to **NDF**.

- When the image quality is set to 24p
- When the NTSC/PAL switching is set to **PAL → NTSC**

TC RUN (Sets the time code count up format)

- **REC RUN** : The time code advances only while recording XAVC S movies. It is recorded sequentially from the time code on the image recorded last time.
- **FREE RUN** : The time code advances sequentially, regardless of the operation of the camera.

TC MAKE (Sets the time code to be recorded)

- **PRESET** : The newly set-up time code is recorded on recording media.
- **REGEN** : The last time code of the previous recording is read out from the recording media and the new time code is recorded sequentially from the last time code.

UB PRESET (Sets the user bit)

1. Press the UP button or DOWN button to select 2-digit numbers, then press the REC/ENTER button.
2. Repeat step 1 until you set four 2-digit numbers, then return to the previous MENU.

- The user bit can be selected within the following range.
00 00 00 00 - FF FF FF FF

UB PRESET (Initializes the user bit)

- Reset is executed when you select **OK**, then press REC/ENTER button.

UB T.REC (Sets the recording time of the user bit)

- **ON** : Does not record the time as a user bit.
- **OFF** : Records the time as a user bit.

Note

- Time code/user bit can be set only for the movie mode.
- When the remote control is not connected to the camera via Wi-Fi, the camera settings cannot be changed.

Hint

- **About time code**

Time code is a useful function for advanced image editing, which records hours/minutes/seconds/frames on the image data.

When TV system is set to NTSC and the frame rate is 30p or 60p, gaps between the actual time and the time code occur during extended periods of recording because there is a slight difference between the number of frames per second of the time code and the actual frame frequency of NTSC image signal. Drop frame corrects this gap to ensure that the time code matches the actual time. The first frame numbers (the first 2 frame numbers for 30p, or the first 4 frame numbers for 60p) are removed every minute except in every tenth minute. Time code without this correction is called non-drop frame.

- **About user bit**

User bit is a function that can record information (8-digit hexadecimal numbers) such as date/time/scene number. This function is useful for editing movies created using two or more cameras.



[44] Changing the Settings | Camera settings

IR remote

You can initialize the time code of the camera and start/stop recording using the infrared remote control (sold separately).

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Camera Settings) -  OFF (IR remote) - setting value, then press the REC/ENTER button.

- :ON (Allows you to operate the camera using the infrared remote control)
- :OFF (Prevents operation of the camera using the infrared remote control)

Note

- The remote commander & IR receiver kit RMT-VP1K and infrared remote control RMT-845 (sold separately) are required to use this function.

Purchase RMT-845 at a Sony service center.




- You can operate only the following settings using the RMT-845 (sold separately). Other settings are inoperable.
 - Reset the time code.
 - Start/stop recording.
-

Beep

You can set the audible notification for camera operation.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Camera Settings) -  ON (Beep) - setting value, then press the REC/ENTER button.

- :ON (All operation sounds are enabled)
- :LIMIT (Operation sounds are emitted for the following operations only)^{*}
 - Power turned on
 - Recording started
 - Recording stopped
 - Shutter pressed
 - A disabled operation was selected or an error occurred
 - Connection confirmation beep
 - Power turned off (FDR-X3000/HDR-AS300)
- :OFF (All operation sounds are disabled)

^{*} :SILENT will be displayed instead of :LIMIT depending on the connected camera.

Note


- When the remote control is not connected to the camera via Wi-Fi, the camera settings cannot be changed.


Beep volume

You can set the beep volume of the camera when operating the camera with the remote control.

1 Press the MENU button.

2 Press the UP button or DOWN button to set  (Camera Settings) -  (Beep volume) - setting value, then press the REC/ENTER button.

-  (loud beep volume)

-  (soft beep volume)

Note

- When the Beep is set to OFF, this function cannot be set.




[47] Changing the Settings | Camera settings

Lamp setting

To prevent the lamp light from reflecting off of the subject, you can limit the number of REC lamps that turn on when recording.

1 Press the MENU button.

2 Press the UP button or DOWN button to set  (Camera Settings) -  **3** (Lamp setting) - setting value, then press the REC/ENTER button.

-  **3** (all of the REC lamps of the camera light up)
-  **1** (only the REC lamp on the connector cover of the camera lights up)
-  **OFF** (REC lamps of the camera do not light up)

Hint

- Change the lamp setting for the camera if objects such as glass may be reflected on the shooting direction.



[48] Changing the Settings | Camera settings



One touch recording

Press the REC/ENTER button of the camera while the camera is off, and the camera will turn on and start recording.

This function is available when the shooting mode is movie, time-lapse capture, live streaming, or loop recording.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Camera Settings) -  OFF (One touch recording) - setting value, then press the REC/ENTER button.

-  :ON (One touch recording enabled)
-  :OFF (One touch recording disabled)

Note

- With One touch recording, the recording will start in the shooting mode that was set immediately before the power was turned off.
- When the remote control is not connected to the camera via Wi-Fi, the camera settings cannot be changed.




[49] Changing the Settings | Camera settings

Auto power off

You can set whether to turn off the camera automatically depending on the setting time.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Camera Settings) -  AUTO OFF 60s (Auto power off) - setting value, then press the REC/ENTER button.

-  : 20s (Turns the power off after about 20 seconds)
-  : 60s (Turns the power off after about 60 seconds)
-  : OFF (Does not turn off automatically)

Note

- The Auto power off function is disabled while the remote control is connected to the camera via Wi-Fi.
- When the remote control is not connected to the camera via Wi-Fi, the camera settings cannot be changed.

Switching NTSC/PAL

You can select the NTSC/PAL setting, depending on the TV system of the country or region where you use the camera.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Camera Settings) - **NTSC → PAL / PAL → NTSC** (Switching NTSC/PAL), then press the REC/ENTER button.

NTSC → PAL (Switches the TV system of the camera from NTSC to PAL)

PAL → NTSC (Switches the TV system of the camera from PAL to NTSC)

- When you try to change the current setting, the confirmation screen appears. Go to step 3.

3 Press the UP button or DOWN button to select **OK** (execute), then press the REC/ENTER button.

Note

- When you change the NTSC/PAL setting on the remote control, the Wi-Fi connection with the camera is disconnected and the camera will be restarted automatically. After that, the remote control will be reconnected with the camera automatically.

Version (Camera)

Displays the software version of the camera.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Camera Settings) - **Ver.** (Version), then press the REC/ENTER button.

Note

- This function is available only in the single connection mode.


[52] Changing the Settings | Remote control settings

Airplane mode

You can set the remote control to disable all the Wi-Fi/Bluetooth functions.

- When you are in an airplane or other restricted areas, set the Airplane mode of the remote control and camera to ON.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Remote control settings) - **✈ OFF (Airplane mode)** - setting value, then press the REC/ENTER button.

- **✈:ON** (The Wi-Fi/Bluetooth function is disabled)
- **✈:OFF (default)** (The Wi-Fi/Bluetooth function is enabled)

Note

- Airplane mode cannot be set while the remote control is connected to the camera in the single connection mode.

[53] Changing the Settings | Remote control settings

Connection mode





Set the number of cameras (a “single” camera or “multiple” cameras) to which the remote control is connected.

Note

- The connection mode cannot be set while the remote control is connected to the camera via Wi-Fi.

1 Press the MENU button.

2 Press the UP button or DOWN button to select (Remote control settings) - (connection mode) - setting value, then press the REC/ENTER button.

-   (default) (single connection)
-   (multi connection)





[54] Changing the Settings | Remote control settings

Bluetooth setting



The remote control can be communicated with the camera via Bluetooth. The mutual registration process that allows the devices (the remote control and camera) to communicate with each other via Bluetooth is called "pairing." Once pairing is complete, these devices can automatically communicate via Bluetooth when they are connected again.

1 Press the MENU button.

2 Press the UP button or DOWN button to select (Remote control settings) - ON (Bluetooth setting) - setting value, then press the REC/ENTER button.

-  :ON (default) (Bluetooth communication enabled. The Bluetooth icon ( or ) is displayed on the LCD screen.)
-  :OFF (No Bluetooth communication. The Bluetooth icon is not displayed on the LCD screen.)

Hint

- The default Bluetooth setting for the remote control is ON. When the Bluetooth compatible camera is connected to Wi-Fi for the first time, Bluetooth pairing with the remote control is automatically completed, and the  icon displayed on the LCD screen switches to .

Note

- When Airplane mode is ON, the Bluetooth icon does not appear on the LCD screen, and Bluetooth communications are disabled, even if the Bluetooth setting is ON.



- The remote control can be paired with up to 15 Bluetooth devices. If a 16th device is paired with the remote control, the pairing information of the first registered device is deleted.
- When the remote control is communicating via Bluetooth, another device cannot be paired.
- When the remote control is initialized, the pairing information is also reset. Perform pairing again.

[55] Changing the Settings | Remote control settings

Network reset settings

The multi connection network settings can be reset.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Remote control settings) -  **RESET** (network reset settings), then press the REC/ENTER button.

The confirmation screen is displayed.

- If  (cancel) is selected on the confirmation screen, the resetting is canceled.

3 Press the UP button or DOWN button to select **OK**, then press the REC/ENTER button.

The network settings will be reset.

Note



- You cannot reset the network settings in single connection mode.
- If multi connection is established after having reset the network settings, register devices once again even if they had already been registered before.



[56] Changing the Settings | Remote control settings

Auto monitor off while shooting

If the remote control has not been operated for more than 10 seconds while shooting movies, time-lapse capturing, or loop recording, the LCD screen display of the remote control is turned off automatically to reduce battery consumption. Operate the remote control to turn on the LCD screen display again.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Remote control settings) -  (Auto monitor off while shooting) - setting value, then press the REC/ENTER button.

- ** (default)** (The LCD screen display is turned off automatically, if the remote control has not been operated for more than 10 seconds while shooting)
- ** (OFF)** (The LCD screen display is turned on while shooting)

Hint

- After a certain period of time passes, the camera's Wi-Fi function turns OFF automatically (Bluetooth is still connected) and the recordable time will be longer on the camera too.
- To turn on the LCD screen display again, operate the remote control with the LCD screen display turned off, or stop shooting on the camera.

Note



- If you operate the remote control after 1 minute has exceeded since the LCD screen display was turned off, it takes 5 to 6 seconds until the LCD screen display is turned on.
- This function is available only when the remote control is connected to the camera in the single connection mode.



[57] Changing the Settings | Remote control settings

Mirror Mode

Images on the LCD monitor are displayed as mirror-reversed. This is useful when you take self-portraits with the camera mounted to an accessory, such as the Shooting Grip. Actual shot images are not mirror-reversed.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Remote control settings) -  OFF (Mirror Mode) - setting value, then press the REC/ENTER button.



- :ON (Images are displayed as mirror-reversed)
- :OFF (default) (Images are not displayed as mirror-reversed)



[58] Changing the Settings | Remote control settings

Display rotate

You can rotate the LCD screen display and change the orientation of the UP button/DOWN button on the remote control.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Remote control settings) -  ON (display rotate) - setting value, then press the REC/ENTER button.



- :ON (Rotates the screen)
- :OFF (default) (Does not rotate the screen)



[59] Changing the Settings | Remote control settings

Monitor brightness

Set the brightness of the LCD screen.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Remote control settings) -  HI (monitor brightness) - setting value, then press the REC/ENTER button.

- :HI (default) (Bright)
- :LO (Dark)

Note


- You cannot set the monitor brightness when supplying power from a Micro USB terminal. The setting is fixed to "Bright."

[60] Changing the Settings | Remote control settings

Date & time setting

Set the date and time.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Remote control settings) -  (Date & time setting), then press the REC/ENTER button.

3 Set the year/month/day.

Press the UP button or DOWN button to set the year, then press the REC/ENTER button. The cursor moves to month so, repeat the same operation to set the month and day. (The display order of the date differs depending on the date format.)

- The time setting screen appears.

4 Set the time by repeating the same procedure as step 3.

5 Check the date and time on the displayed screen, then press the REC/ENTER button.

- The time is set and the display returns to the previous menu.



Hint

- To return to the setting item selection screen from the setting value selection screen, press the MENU button.
- If the remote control is connected to a Lens-style Camera (QX series) or HDR-AZ1, the date & time setting of the remote control is reflected to the camera automatically.

Area setting

You can adjust the clock on the remote control to match the time in your area without stopping the clock. The area is determined by the time difference from Greenwich Mean Time (GMT). See "The list of time differences for world capitals" for more.

1 Press the MENU button.



2 Press the UP button or DOWN button to select  (Remote control settings) -  GMT (Area setting) - time difference, then press the REC/ENTER button.



3 Confirm the time on the displayed screen, then press the REC/ENTER button.

Daylight saving time (summer time) setting

Set whether to reflect the daylight saving time (summer time) in the date and time setting.

1 Press the MENU button.


2 Press the UP button or DOWN button to select  (Remote control settings) -  OFF (Daylight saving time (summer time) setting) - setting value, then press the REC/ENTER button.

-  :ON (Sets the daylight saving time (summer time))
 -  :OFF (default) (Does not set the daylight saving time (summer time))
-

Date format

Set the display order of the date displayed on the remote control.

1 Press the MENU button.


2 Press the UP button or DOWN button to select  (Remote control settings) - **D-M-Y / M-D-Y / M^(Eng)-D-Y / Y-M-D** (date format) - setting value, then press the REC/ENTER button.

- **D-M-Y** (Day-Month-Year)
- **M-D-Y** (Month-Day-Year)
- **M^(Eng)-D-Y** (Month (in English)-Day-Year)
- **Y-M-D** (Year-Month-Day)

Version

The software version of the remote control can be displayed.

1 Press the MENU button.


2 Press the UP button or DOWN button to select  (Remote control settings) - **Ver.** (Version), then press the REC/ENTER button.

Resetting the settings



Reset each setting of the remote control to its default.

- The camera settings are not reset even if the remote control settings are reset.
- 

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (Remote control settings) - **RESET** (Resetting the settings), then press the REC/ENTER button.

3 Press the UP button or DOWN button to select the setting, then press the REC/ENTER button.

- Select  (cancel) to return to the remote control settings menu screen.
- Select  (execute) to reset the remote control settings.

[66] Viewing

Playing back images

Play back movies/images recorded with the camera on the remote control. The procedure below explains how to play back movies.


1 Press the MENU button.

2 Press the UP button or DOWN button to select  (playback on the remote control), then press the REC/ENTER button.

3 Press the UP button or DOWN button to select the image, then press the REC/ENTER button.

- Playback starts.

Returning to the shooting mode

Press the MENU button, the UP button or DOWN button to select  (switching to the shooting mode), then press the REC/ENTER button.

Note

- Audio cannot be played back.

- The frame rate displayed on the LCD screen while playing back varies with the Wi-Fi communication status between the remote control and the camera. It is different from the one displayed while shooting.

Hint

- You can use the following operations while playing back the movie.
 - Fast-rewind: Press the UP button.
 - Fast-forward: Press the DOWN button.
 - Pause: Press the REC/ENTER button.

[67] Viewing

Deleting images

Delete unnecessary images saved in the memory card of the camera.

1 Press the MENU button.

2 Press the UP button or DOWN button to select  (playback on the remote control), then press the REC/ENTER button.

3 Press the UP button or DOWN button to select the image, then press the MENU button.

4 Select  (delete), then press the REC/ENTER button.

5 Select **OK** (execute) on the confirmation screen, then press the REC/ENTER button.

- The selected image will be deleted.

Note

- You can delete images only in the single connection.
- You can delete each image once. You cannot delete multiple images simultaneously.
- Format the memory card when you want to delete all of the images.

Handling

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

- In an extremely hot, cold or humid 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.
- Under direct sunlight or near a heater
The remote control body may become discolored or deformed, and this may cause a malfunction.
- In a location subject to strong vibration
- Near strong magnetic fields
- Near a location that generates strong radio waves or emits radiation
- 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 it may be irreparable.

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 to the remote control.

If moisture condensation occurs

Turn off the remote control and wait about 1 hour for the moisture to evaporate.

Note on moisture condensation

Moisture may condense when you bring the remote control from a cold place into a warm place (or vice versa) or when you use the remote control in a humid place, as shown below.

- When you bring the remote control from a ski slope into a warm place
- When you bring the remote control from an air conditioned car or room into a hot place outside
- When you use the remote control after a squall or a shower
- When you use the remote control in a hot and humid place such as a bath

How to avoid moisture condensation

When you bring the remote control from a cold place into a warm place, put the remote control in a plastic bag and seal it tightly. Remove the bag when the air temperature inside the plastic bag has reached the ambient temperature (after about 1 hour).

On carrying

- Do not sit down in a chair or other place with the remote control in the back pocket of your trousers or skirt, as this may cause malfunction or damage the remote control.

On operating temperatures

- The remote control is designed for use in temperatures between -10°C and $+40^{\circ}\text{C}$ (14°F and 104°F). Shooting in extremely cold or hot places that exceed this range is not recommended.
- The LCD screen and the cabinet may become warm during operation. This is normal.

Handling the LCD screen

On 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.
- If a still picture or a fixed picture is displayed for a long time, an image may remain superimposed on the LCD screen as a ghosting image.

Bright point and vanishing point on the LCD screen

The LCD panel fitted to the remote control is manufactured with high precision technology, but a very small proportion of pixels may be “stuck”, either always off (black), always on (red, green, or blue), or flashing. In addition, because of the physical characteristics of the liquid crystal display, such “stuck” pixels may appear spontaneously over a long period of use. These problems are not a malfunction.

Waterproof performance

Notes on the waterproof performance

The remote control is designed to be waterproof. 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 recommended operating water temperature range of 0°C to 40°C (32°F to 104°F).
- The remote control has continuous waterproof performance at a water depth of 3 m (10 feet) for 30 minutes.

Notes before using the remote control under/near water

- If dirt or sand gets on the terminal section of the remote control (where it connects to the cradle), wipe the area clean with a soft cloth that does not leave behind any fibers.
- If you have used the remote control near water or with wet or sandy hands, perform the procedure described in "Maintenance of the remote control in water or at a waterfront" before charging the remote control with the cradle.

Notes on using the remote control under/near water

- Do not subject the remote control to shock such as by jumping into water.
- The remote control sinks in water. Use the belt supplied with the remote control to prevent it from sinking.
- Bubbles may appear when the remote control is placed underwater. This is not a malfunction.
- You cannot use the Wi-Fi/Bluetooth function of the remote control underwater.

[74] Information

The list of time differences for world capitals

Time differences with the standard times of world cities (as of 2016).

City	Time difference
Lisbon	GMT
London	
Berlin	+01:00
Paris	
Helsinki	+02:00
Cairo	
Istanbul	
Moscow	+03:00
Nairobi	

Tehran	+03:30
Abu Dhabi	+04:00
Baku	
Kabul	+04:30
Karachi	+05:00
Islamabad	
Kolkata	+05:30
New Delhi	
Almaty	+06:00
Dhaka	
Yangon	+06:30
Bangkok	+07:00
Jakarta	
Hong Kong	+08:00
Singapore	
Beijing	
Tokyo	+09:00
Seoul	
Adelaide	+09:30
Darwin	
Melbourne	+10:00
Sydney	
New Caledonia	+11:00
Fiji	+12:00
Wellington	
Midway	-11:00
Hawaii	-10:00
Alaska	-09:00
San Francisco	-08:00
Tijuana	
Denver	-07:00
Arizona	

Chicago	-06:00
Mexico City	
New York	-05:00
Bogota	
Santiago	-04:00
St.John's	-03:30
Brasilia	-03:00
Montevideo	
Fernando de Noronha	-02:00
Azores	-01:00
Cape Verde Is.	

[75] Information

Specifications

[Input terminal]

Micro USB Terminal: micro-B/USB
(For charging)

[Power]

Power requirements:

Rechargeable battery pack: 3.7 V (Internal battery)

Micro USB Terminal: 5.0 V

Charging method:

USB charging: DC 5.0 V, 500 mA

Charging time:

Via a computer

Internal battery: Approx. 2 h 25 min

Power supply method:

USB power supply (1.5 A or more is recommended)

Power consumption:

0.8 W (when connected by Wi-Fi and during Live-View display)

Continuous operating time:

155 min^{*1}

Battery:

Rechargeable battery pack: Internal battery
Maximum output voltage: DC 4.2 V
Output voltage: DC 3.7 V
Maximum charge voltage: DC 4.2 V
Maximum charge current: 975 mA
Capacity: 2.4 Wh (640 mAh)
Type: Li-ion

[General]

Waterproof performance:

Depth of water 3 m (10 feet), 30 minutes continuously^{*2}
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.): 47.8 mm × 52.6 mm × 19.0 mm (1 15/16 in. × 2 1/8 in. × 3/4 in.)
(W/H/D, excluding protrusions)
Mass: Approx. 46 g (1.6 oz) (only the main body)
Total mass in use: Approx. 83 g (2.9 oz) (including the supplied belt)

*1 The continuous operating time is the approximate available time when you use a fully charged battery pack and display the Live-View continuously.

*2 The waterproof performance is not guaranteed under all circumstances.
Design and specifications are subject to change without notice.

[76] Information

Trademarks

- Wi-Fi, the Wi-Fi logo and Wi-Fi PROTECTED SET-UP are trademarks or registered trademarks of the Wi-Fi Alliance.
- Adobe, the Adobe logo, and Adobe Acrobat are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
- 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.
- In addition, system and product names used in this guide are, in general, trademarks or registered trademarks of their respective developers or manufacturers. However, the ™ or ® marks may not be described in this guide.

[77] Information

Note on the License

On GNU GPL/LGPL applied software

The software that is eligible for the following GNU General Public License (hereinafter referred to as "GPL") or GNU Lesser General Public License (hereinafter referred to as "LGPL") are included in the remote control. This informs you that you have a right to have access to, modify, and redistribute source code for these software programs under the conditions of the supplied GPL/LGPL. Source code is provided on the web. Use the following URL to download it.

<http://www.sony.net/Products/Linux/>

We would prefer you do not contact us about the contents of source code.

Copies of the licenses (in English) are stored in the internal memory of the remote control. Connect the remote control and a computer with the USB cable, then read the files in the "LICENSE" folder in "PMHOME."

[78] Information | Care and storage

Care and storage

Wipe the surface

Clean the remote control surface with a soft cloth slightly moistened with water, then wipe the surface with a dry cloth. Do not use any of the following as they may damage the finish or the casing:

- Chemical products such as thinner, benzine, alcohol, disposable cloths, insect repellent, sunscreen or insecticide, etc.
- Do not touch the remote control with any of the above on your hand.
- Do not leave the remote control in contact with rubber or vinyl for a long time.

Remove the battery pack when not in use for a long time

Remove the USB cable from the cradle when not in use for a long time and store it. If not, it may cause a fire.

[79] Information | Care and storage

Maintenance of the LCD screen

The LCD screen surface is specially treated to reduce the reflection of light.

Incorrect maintenance may impair the performance of the LCD screen, so take care with respect to the following:

- Wipe the LCD screen gently with a soft cloth such as a cleaning cloth or glasses cloth.
 - Stubborn stains may be removed with a soft cloth such as a cleaning cloth or glasses cloth slightly dampened with water.
 - Never use a solvent such as alcohol, benzene or thinner, or acid, alkaline or abrasive detergent, or chemical cleaning cloth, as they will damage the LCD screen surface.
-

[80] Information | Care and storage

Maintenance of the remote control in water or at a waterfront

- Always clean the remote control with water within 60 minutes of use, and do not remove the belt 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 waterproof performance.
- Wipe away any drops of water or dust with a soft dry cloth.
- Attach the remote control to the cradle when the remote control is completely dry.
- The remote control body may become discolored if it comes into contact with sunscreen or suntan oil. If the remote control comes 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 waterproof performance.

[81] Information | Battery pack

Battery pack

On charging the battery pack

- Charge the battery pack before using the remote control.
- We recommend charging the battery pack in an ambient temperature of between 10°C to 30°C (50°F to 86°F) until the CHG (Charge) lamp turns off. The battery pack may not be effectively charged in temperatures outside this range.
- The CHG (Charge) lamp may blink during charging in the following situations:
 - Battery pack is damaged.
 - The temperature of the remote control is low. Put it in a warm place.
 - The temperature of the remote control is high. Put it in a cool place.

Effective use of the battery pack

- Battery pack performance decreases at a low ambient temperature lower than 10°C (50°F). In cold places, therefore, the operational time of the battery pack is shorter.

Remaining battery charge

- If the battery pack runs out quickly even though the remaining charge indicator is high, fully charge the remote control again. The remaining charge indicator will be then displayed correctly. Note that it may not be displayed correctly in the following situations:
 - The remote control is used for a long time at high ambient temperature.
 - The remote control is left fully charged.
 - The remote control is used heavily.

On battery pack life



- The battery pack has a limited life. Battery capacity decreases over time and through repeated use. If decreased usage time between charges becomes significant, the battery pack life has been shortened. In this case, contact your Sony dealer.
-

The battery pack life varies according to how the battery pack is stored or used.

[82] Information | Battery pack


To reduce the battery consumption of the remote control

The following settings enable the battery consumption to be reduced when in use.

- Auto monitor off while shooting: 
- Monitor brightness: 

(Example)

If the Live-View display is displayed for 5 minutes and movies are recorded for 55 minutes after the above settings are applied, you can use the remote control about two times longer than before.

- When you operate FDR-X3000/HDR-AS300/HDR-AS50, set the Bluetooth remote controller power setting of the camera to  and turn off the power of the camera frequently from the remote control while in shooting standby mode. This enables further reduction of battery consumption on both the camera and remote control.

[83] Information

Disposal of the remote control

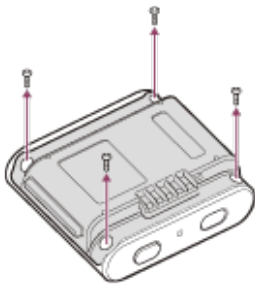
Remove the built-in battery pack before disposing of the remote control.

- 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.

The built-in battery pack of the remote control is recyclable. When disposing of the remote control, remove the built-in battery pack and take it to your dealer.

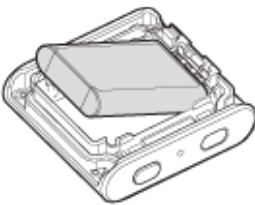
1 Press the  (on/standby) button to turn off the power of the remote control.

2 Remove the screws with a Phillips-head screwdriver (4 screws).



3 Detach the cover.

4 Remove the battery pack.



Note

When removing the built-in battery pack of the remote control, be careful of the followings.

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

[84] Troubleshooting

Cannot connect the remote control and the camera via Wi-Fi.

- If you cannot connect the camera to the remote control properly, try the operation below.

Check the camera and the remote control connection mode are set to the single connection mode. If not, change the connection mode and connect again.

[85] Troubleshooting

Cannot turn on the remote control.

- Charge the battery pack sufficiently.

[86] Troubleshooting

The power of the remote control turns off suddenly.

- Charge the battery pack sufficiently.
- If you have not used the remote control for a prolonged period, the efficiency of the battery will be improved by repeatedly charging and discharging it.

[87] Troubleshooting

Cannot charge the remote control.

- Turn off the remote control and make the USB connection.
- Disconnect the micro USB cable (supplied), and then reconnect it.
- Use the micro USB cable (supplied).
- Charge the battery pack in an ambient temperature of 10°C to 30°C (50°F to 86°F).
- Turn on the computer, then connect it to the cradle to which the remote control is attached.
- Release the computer from sleep or hibernation status.
- Connect the micro USB cable (supplied) directly to the USB connector of the computer.

[88] Troubleshooting

The remaining charge indicator is incorrect.

- This phenomenon occurs when you use the remote control in an extremely hot or cold location.
 - A discrepancy arises between the remaining charge indicator and the actual remaining battery charge. Fully discharge the battery pack once, then charge it to correct the indication.
 - Fully charge the battery pack again. If the problem persists, the battery pack is worn out. Consult your nearest Sony dealer.
-

Error display on the Live-View Remote

If the following messages appear, follow the instructions.

01-01/02-02

Failed to connect the camera to the remote control.

- Signal traffic may be heavy or the remote control may be too far from the access point.

01-02

Failed to connect the camera to the remote control.

- Follow the steps in “Connecting the remote control to a single camera via Wi-Fi” or “Connecting the remote control to multiple cameras via Wi-Fi.”

01-03/01-04

Failed to connect the camera to the remote control.

- The camera is not compatible.

02-01

No memory card is inserted into the camera.
The memory card is inserted in the incorrect direction.

- Insert the memory card in the correct direction, then turn on the camera.

02-03

Camera error

- Confirm the accessing camera or memory card.

03-01

Signal traffic is heavy.
The camera operation for connecting to the remote control has failed.

- Change the conditions and try the connecting procedure again.
- Check the connecting procedure.

03-02

Failed to connect the camera to the remote control.
The camera is not recognized. Follow the steps in “Connecting the remote control to a single camera via Wi-Fi” or “Connecting the remote control to multiple cameras via Wi-Fi.”

- Signal traffic may be heavy or the remote control may be too far from the access point.

03-03/03-04

Failed to connect the camera to the remote control.

- The camera is not recognized. You need to do some operation on the camera you want to connect.
- Signal traffic may be heavy or the remote control may be too far from the access point.

03-05

Cannot connect to the camera.

- The remote control has already connected to the maximum number of connectable cameras.
Check the number of cameras you are connecting.

04-03

Request to the camera failed.

- Check the camera.

04-04

No response from the camera.

- Check the camera.
- Signal traffic may be heavy or the remote control may be too far from the access point.

05-01

Failed to shoot still images.

- Check the camera.

05-02

Recording with the memory card inserted in the incorrect direction.

No memory card is inserted into the camera.

The memory card has no free memory space.

- Check the orientation of the memory card.
- Make sure that a memory card is inserted into the camera.
- Use a memory card that has free memory space.

05-03

Cannot stop recording.

- Check the camera.

05-04

Failed to start loop recording.

- Check the remaining memory card level.

06-01

Failed to format the recording medium.

06-02

The memory card does not support XAVC S movie recording.

- Use an SDHC or SDXC memory card faster than Class10 when recording movies in XAVC S.
- Set the movie format to MP4.

06-03

The NTSC/PAL setting of the media and the NTSC/PAL setting of the camera are different.

- Switch the NTSC/PAL setting of the camera or format the media.

06-04

The memory card does not support XAVC S 100 Mbps movie recording.

- Use the memory card that supports UHS-I U3 standard when you are shooting in XAVC S 100 Mbps.

07-01/07-02/07-03

Failed to play.

- There is an abnormality in the recording media.
- Signal traffic may be heavy or the remote control may be too far from the access point.

07-04

Failed to delete the file.

- Signal traffic may be heavy or the remote control may be too far from the access point.

10-01

The camera's temperature has risen. Turn the power of the camera off and leave the camera alone for 10 minutes or longer.

Code starting with an E or a C (Example: E41:00)

When a code starting with a letter appears in the monitor, the self-diagnosis of the remote control is working.

Press the MENU button, REC/ENTER button, and DOWN button of the remote control simultaneously to reset it.

If the problem persists, some repairs may be necessary. Please consult your nearest Sony dealer and inform them of all codes starting with an E or a C.