

# EX-F1 Controller

## User's Guide

Be sure to keep all user documentation handy for future reference.

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# Software Overview

EX-F1 Controller is intended for use with the CASIO EX-F1 digital camera only. After connecting the EX-F1 digital camera to your computer, you will be able to use EX-F1 Controller to shoot High Speed Continuous Shutter images, record High Speed Movies, shoot with the Interval Mode, and perform other operations from your computer.

## Recommended System Environment

Operating System: Windows Vista / XP (SP2/SP3) 32-bit

CPU : Intel Pentium III 1.2 GHz or higher

USB : Hi-Speed USB

HDD : At least 120 MB of free space

Memory : At least 2 GB

VIDEO : At least 1024×768, 32-bit color

- The above are recommended values. Configuring the environment described above does not guarantee proper operation.
- Certain settings and other installed software may interfere with proper operation.
- Even if you configure a computer environment that normally ensures proper operation, there may be variations in data transfer times, and certain conditions may make it impossible to achieve smooth movie playback.
- Operation is not guaranteed for any other operation system besides the ones specified above.
- When using Windows Vista or XP, log in as a user with Administrator privileges.
- Certain device configurations may make normal operation impossible.

## Supported Camera

EX-F1 Controller can be used to control the following camera model only.  
CASIO EX-F1

# Operating Precautions

- EX-F1 Controller does not include all of the functions equipped on the EX-F1 digital camera. Slow Motion View, BEST SHOT, Flash CS, Bracketing, playback, and other functions are not included.
- Precautions you need to observe are similar to those included in the EX-F1 digital camera's user's guide. See the camera's user's guide for details.
- A USB connection with the camera is in effect while EX-F1 Controller is running. The camera's Auto Power Off feature is disabled. Keep an eye on the camera's battery level.
- Use the USB cable that came with your camera to connect it to a computer. Proper operation may not be possible if you use an extension with the USB cable.
- Exit EX-F1 Controller before disconnecting the USB cable. Failure to do so can result in corruption of data you transferred to your computer or malfunction of the camera.
- Before operating the camera under battery power, make sure that the battery is charged sufficiently.
- Exiting EX-F1 Controller does not turn off the camera. Do not forget to turn off the camera.
- When "Save to PC" is selected for the EX-F1 Controller "File Storage" setting (page 17), snapshots transferred to your computer cannot be displayed by the camera, even if you copy them back from your computer to the camera's built-in memory or memory card.

# Installing EX-F1 Controller

## Pre-installation Precautions

EX-F1 Controller is designed to run under Windows only. For full details about system requirements, see “Recommended System Environment” (page 4).

## Installation Steps

EX-F1 Controller installation requires the following two steps.

1. Update your EX-F1 digital camera to the special EX-F1 Controller firmware (page 6).
2. Install EX-F1 Controller on your computer (page 9).

## Updating Your Camera's Firmware

Before performing the following procedure to update your camera to the special EX-F1 Controller firmware, make sure that its battery is charged sufficiently.

### **IMPORTANT!**

- Before installing the firmware update, be sure you back up the data in camera memory to a flash card or your computer's hard disk.
- If firmware update installation is interrupted due to low battery power, your camera will no longer be able to operate. Be sure to load a fully charged battery into the camera before starting the firmware update installation procedure.

1. Double-click the self-extracting EXE file you downloaded from the CASIO website.

This will create a file named “EX-F1.BIN” on your computer.

2. Load a fully-charged battery in your camera.

3. Use the USB cable to connect the camera to your computer and then copy the “EX-F1.BIN” from the extracted software folder on your computer to the root directory (the directory directly below the drive name) of the camera's built-in memory or memory card.



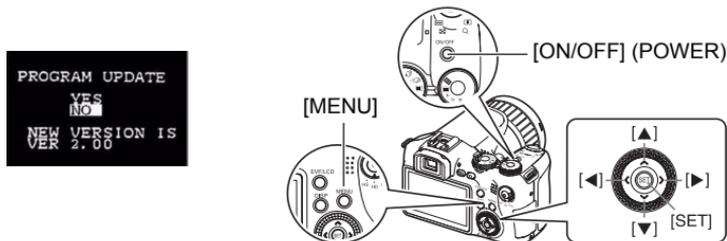
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4. After the copy operation is complete, disconnect the USB cable from the camera.

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5. While holding down [MENU], press [ON/OFF] (POWER) to turn on the camera.

Keep the [MENU] key depressed until the message “PROGRAM UPDATE” appears on the monitor screen.



### **IMPORTANT!**

- When using battery power for installation, a safety feature will activate and installation will be impossible if battery power is low. If this happens, “LOW BATTERY!” will appear on the camera’s monitor screen instead of “PROGRAM UPDATE”. Make sure the camera’s battery is fully charged when using battery power for installation.

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6. “NO” will initially be selected when the “PROGRAM UPDATE” appears on the camera’s monitor screen. Press [▲] to select “YES” and then press [SET].

The message “NOW LOADING” will appear on the camera’s monitor screen after installation starts. After a short while, the displayed message will change to “COMPLETE”, indicating that installation is finished.



COMPLETE

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7. After installation is finished, press [ON/OFF] (POWER) to turn off the camera.

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**8. Check your camera's current firmware version to confirm that it has been updated.**

- If you copied the "EX-F1.BIN" file to the camera's built-in memory, connect the camera to your computer and delete the "EX-F1.BIN" file from camera memory. Next, while holding down [MENU], press [ON/OFF] (POWER) to turn on the camera. Keep [MENU] depressed until the version of your camera's current firmware appears on the monitor screen. If "VER 2.00" appears, it means that firmware update installation was successful.
- If you copied the "EX-F1.BIN" file to a memory card, remove the memory card from the camera. Next, while holding down [MENU], press [ON/OFF] (POWER) to turn on the camera. Keep [MENU] depressed until the version of your camera's current firmware appears on the monitor screen. If "VER 2.00" appears, it means that firmware update installation was successful.
- After checking the firmware version, load the memory card back into the camera and delete the "EX-F1.BIN" file from the memory card.

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**9. Press [ON/OFF] (POWER) again to turn off the camera.**

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**10. Press [ON/OFF] (POWER) to turn the camera back on and then press [MENU]. On the "Set Up" tab, select "Reset" to reset the camera.**

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**11. Press [MENU]. On the "Set Up" tab, select "USB", select "PC Control", and then press [SET].**

- Connecting the camera to your computer while "PC Control" is selected will enable control of the camera using EX-F1 Controller. Select "Mass Storage" to have your computer recognize the camera as an external storage device, or "PTP (PictBridge)" when connecting to a printer.
- Updating the camera's firmware will add "PC Control" to this menu. The other options of the menu will perform the same functions as they do before updating the firmware.



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**12. Finally, press [ON/OFF] (POWER) to turn off the camera.**

## Installing EX-F1 Controller

- 1. If the camera is connected to your computer, unplug the cable from the camera's USB port.**

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- 2. On your computer, double-click "Setup.exe" (the installer for EX-F1 Controller) inside the extracted software folder.**

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- 3. Follow the instructions that appear on your computer screen to install the software.**
  - Do not try to start up EX-F1 Controller at this point. Doing so may cause a USB driver error.
  - If this happens, close the error dialog box and continue from step 4 of this procedure.

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- 4. After performing step 11 on page 8 to select "PC Control" for the "USB" setting, use the USB cable that came with the camera to connect it to your computer's USB port.**

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- 5. Turn on the camera.**

This will execute USB drive installation and make start up of EX-F1 Controller possible.



### **IMPORTANT!**

- Your computer may display certain warning messages asking if you want to continue as EX-F1 Controller is being installed. If this happens, perform the required operation to continue with the installation. EX-F1 Controller may not operate normally if you stop installation part way through.
- If you are installing the USB driver on a computer running Windows XP and the message "Can Windows connect to Windows Update to search for software?" appears, select "No, not this time" and then click [Next]. In response to the question "What do you want the wizard to do?" on the next screen that appears, select "Install the software automatically (Recommended)" and then click [Next]. As installation proceeds, your computer may display certain warning messages asking if you want to continue. If this happens, perform the required operation to continue with the installation.

## Uninstalling EX-F1 Controller

### Windows Vista

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1. On your computer Start menu, perform the following operation to display Control Panel: Start → Control Panel.
2. Click “Uninstall a program”.
3. On the list that appears, select “EX-F1 Control”.
4. Click “Uninstall”.
5. When the uninstaller starts up, follow the instructions that appear.

### Windows XP

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1. On your computer Start menu, perform the following operation to display Control Panel: Start → Control Panel.
2. Click “Add or Remove Programs”.
3. On the list that appears, select “EX-F1 Control”.
4. Click “Remove”.
5. When the uninstaller starts up, follow the instructions that appear.

#### NOTE

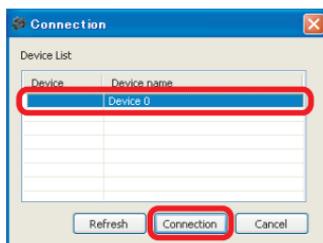
- You also can uninstall EX-F1 Controller by double-clicking the “setup.exe” file in the folder you extracted when installing the program.

## To start up EX-F1 Controller

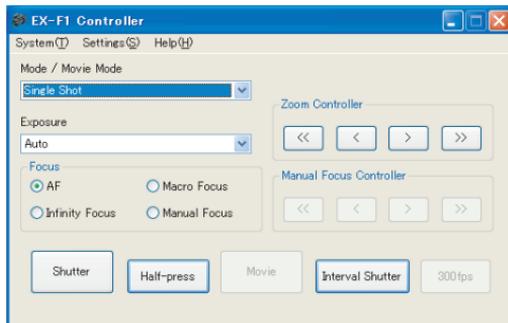
1. Turn off the camera. Next, use the USB cable that came with the camera to connect it to the USB port of your computer.
2. Turn on the camera.  
The camera's monitor screen will remain blank, with its back lamp lit green.
3. On your computer's Windows desktop, click the EX-F1 Controller shortcut (EX-F1 Control).



4. On the "Connection" dialog box that appears, select "Device0" and then click [Connection].



This will cause a real-time image to appear on the camera's monitor screen and display the "EX-F1 Controller" dialog box on your computer screen. This indicates that your computer is ready to control the camera.



## To exit EX-F1 Controller

**1. On the EX-F1 Controller dialog box “System” menu, select “Exit”.**

This exits EX-F1 Controller.

**2. Turn off the camera.**

**3. Disconnect the USB cable.**



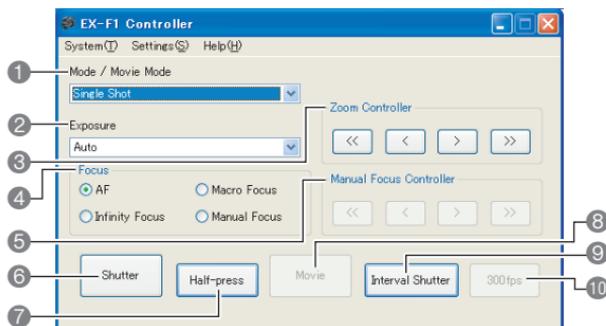
**★ IMPORTANT!**

- Note that exiting EX-F1 Controller does not turn off the camera. Press the camera's [ON/OFF] (POWER) button to turn it off.
- You cannot exit EX-F1 Controller whenever any one of the following conditions exists.
  - While [Half-press] is depressed
    - Click [Half-press] again to cancel the shutter button half-press. This will allow you to exit EX-F1 controller.
  - While a movie or Continuous Shutter recording operation is in progress
    - Stop the movie or CS recording operation. This will allow you to exit EX-F1 Controller.

## Main Screen

You can use the main screen to configure the basic settings for image recording and to control the camera.

- See the camera's user's guide for details about each setting and their options.



### 1 Mode/Movie Mode

This setting specifies the recording mode. It is equivalent to the settings you make with the camera's CS dial and the movie mode switch.

<b>Single Shot</b>	Select for single-image snapshot shooting. Also use this setting for interval shots (page 27).
<b>Continuous Shutter</b>	Select for High Speed CS shooting.
<b>Prerecord Still Image</b>	Select for Prerecord CS shooting.
<b>Movie (STD)</b>	Select for STD movie recording.
<b>Prerecord Movie (STD)</b>	Select for Prerecord STD Movie recording.
<b>Movie (HD)</b>	Select for HD (HD/FHD) movie recording.
<b>Prerecord Movie (HD)</b>	Select for Prerecord HD (HD/FHD) Movie recording.
<b>Movie (HS)</b>	Select for High Speed Movie (HS Movie) recording.
<b>Prerecord Movie (HS)</b>	Select for Prerecord High Speed Movie (HS Movie) recording.

### 2 Exposure

This setting specifies the exposure mode. It is equivalent to the settings you make with the camera's mode dial.

<b>M</b>	Manual Exposure
<b>Auto</b>	Auto Exposure
<b>A</b>	Aperture priority
<b>S</b>	Shutter speed priority

### 3 Zoom Controller

Use these buttons to control the zoom factor.

<<, <	Click to reduce the size of the subject and broaden the range
>, >>	Click to enlarge the subject and narrow the range.

- Each click of “<” or “>” changes the zoom factor by one step. Clicking and holding “<<” or “>>” causes the zoom factor to continue to change until you release the button.

### 4 Focus

Use these settings to specify the focus mode.

<b>AF (Auto Focus)</b>	General recording
<b>Macro</b>	Close ups
<b>Infinity</b>	Scenery and other distant subjects
<b>Manual Focus</b>	When you want to focus manually

### 5 Manual Focus Controller

Use these buttons to adjust focus when you have “Manual Focus” selected as the focus mode.

- Each click of “<” or “>” changes the focus by one step. Clicking and holding “<<” or “>>” causes the focus to continue to change until you release the button.

<<, <	Click to focus in.
>, >>	Click to focus out.

### 6 Shutter

Click to release the shutter.

### 7 Half-press

Click to perform a shutter button half-press operation. Clicking this button the first time locks the shutter button in a half-press state. Click this button again to cancel the shutter button half-press.

### 8 Movie

Click to start movie recording. Click this button again to stop movie recording.

### 9 Interval Shutter

Click to start interval recording in accordance with the current “Interval Shutter Setting” (page 19) configuration.

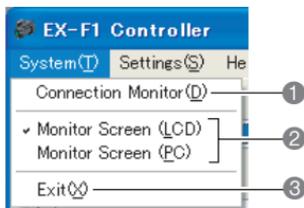
### 10 300fps/30fps

For “30-300 fps” high-speed movie recording, shooting starts with a frame rate of 30 fps. You can change the frame rate to 300 fps at any point during movie recording. Click this button to toggle the frame rate between 300 fps and 30 fps. The key cap indication will change accordingly.

## EX-F1 Controller Menus

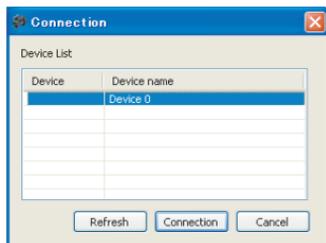
This section explains each of the items that appears on the EX-F1 Controller menus.

### System



#### 1 Connection Monitor

Select to specify the currently connected camera. The currently connected camera is the one with "." next to it in the "Device" column.



#### 2 Monitor Screen

Select the device to use as the camera monitor.

<b>Monitor Screen (LCD)</b>	Camera monitor screen
<b>Monitor Screen (PC)</b>	Computer screen

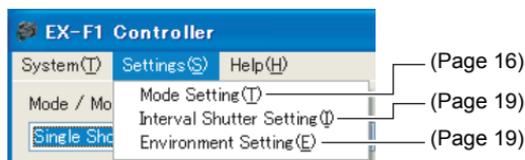
#### IMPORTANT!

- The camera's information indicators do not appear on your computer screen when "Monitor Screen (PC)" is selected. Also note that display automatically switches to the camera's built-in monitor screen in the following cases.
  - When you enter the Prerecord CS mode
  - During movie (STD, HD, HS) recording
  - When you enter the Prerecord Movie (STD, HD, HS) mode

#### 3 Exit

Select to exit EX-F1 Controller.

## ■ Settings



## Mode Setting

Select this item to configure recording mode settings.

- See the camera's user's guide for details about each setting and their options.

## ★ IMPORTANT!

- The current camera setup is applied for any settings that are not included in the EX-F1 Controller Mode Settings.
- The following camera settings are fixed while EX-F1 Controller is running.

<b>AF Area</b>	Spot
<b>Quick Shutter</b>	Off

## Normal Setting

These settings appear on the "Mode Setting" dialog box (page 16).



### 1 Shutter Speed

Specifies the shutter speed. The shutter speed can be specified when "M" (Manual Exposure) or "S" (Shutter speed priority) is selected for the "Exposure" setting on the EX-F1 controller dialog box (page 13).

### 2 Image Size

Specifies the size of the image to be recorded.

## ★ IMPORTANT!

- RAW cannot be selected for the image size setting.

### 3 ISO

Specifies the ISO sensitivity setting.

### 4 EV

Specifies the exposure compensation value (EV shift).

### 5 Flash

Specifies the flash mode



#### **IMPORTANT!**

- Red eye reduction cannot be selected for the flash mode setting.

### 6 File Storage

Specifies where recorded images should be saved.

<b>Save to PC</b>	Saves images to a folder on your computer. <ul style="list-style-type: none"><li>• For information about how to select the destination folder, see page 19.</li></ul>
<b>Save to SD card</b>	Saves images to the memory card loaded in the camera.

### 7 Aperture

Specifies the aperture value. The shutter speed can be specified when “M” (Manual Exposure) or “A” (Aperture priority) is selected for the “Exposure” setting on the EX-F1 controller dialog box (page 13).

### 8 Quality

Specifies the image quality of snapshots.

### 9 WB (White Balance)

Specifies the white balance setting.



#### **IMPORTANT!**

- “Manual WB” cannot be selected for the white balance setting.

### 10 Metering

Specifies the metering mode.

### 11 REC Light

Specifies the REC light setting.

- The REC light cannot be turned on and off while movie recording is in progress. If you want to use the REC light, use this setting to turn it on or off before you start recording.

## CS Setting

These settings appear on the “Mode Setting” dialog box (page 16).



### 1 High-speed

Specifies the number of frames that can be shot per second (fps).

### **IMPORTANT!**

- “AUTO-H” and “AUTO-N” cannot be selected for the “High-speed” setting.

### 2 Upper limit CS

Specifies the upper limit of the “High-speed” setting.

### 3 Prerecord CS shot

Specifies the number of images that are pre-recorded before the shutter button is fully pressed during Prerecord CS shooting.

## Movie Setting

These settings appear on the “Mode Setting” dialog box (page 16).



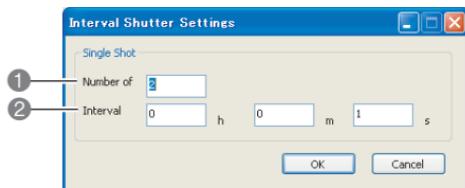
### 1 HD

Specifies the image quality of HD (HD/FHD) movies.

### 2 HS

Specifies the frame rate for High Speed Movie recording.

## Interval Shutter Setting



### 1 Number of

Specifies the number of shots for interval recording.  
Range: 2 to 99

### 2 Interval

Specifies the shooting interval.

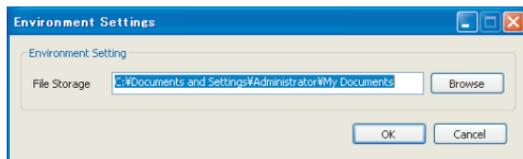
### ★ IMPORTANT!

- The time you specify for “Interval” is approximate. CASIO makes no guarantees about the precision of the interval time.

## Environment Setting

### ● File Storage

Specifies the folder on the computer where recorded images should be saved when “Save to PC” is selected for the “File Storage” setting on the “Normal Setting” dialog box (page 16).



### 1. Click [Browse].

### 2. Click the folder you want to use.

### 3. Click [OK].

This selects the specified folder as the storage location.



### ■ Help

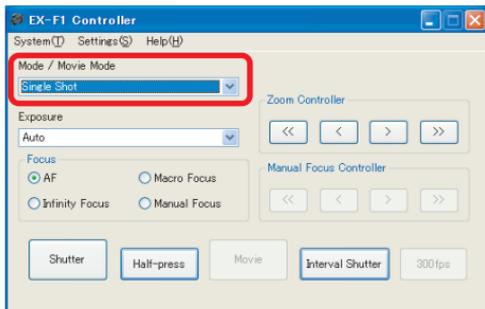
Displays version information about EX-F1 Controller.

## Basic Operation (Single Shot)

The following procedure illustrates basic EX-F1 Controller operation by showing how to shoot a single snapshot.

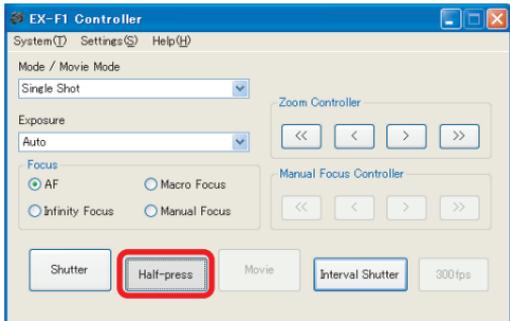
1. Select “Single Shot” for the “Mode/Movie Mode” setting.

2. Configure the “Exposure”, “Mode Setting”, and other settings as required.



3. Click [Half-press].

This is the same as half-pressing and holding the camera's shutter button. If you want to cancel the shutter button half-press, click the [Half-press] button again.



4. Click [Shutter].

This shoots the image and displays a preview window. The preview window appears only when “Save to PC” is selected for the “File Storage” setting (page 17).



### NOTE

- You can record another image even if you leave the preview window displayed on your computer screen. To move the preview window, drag its title bar to a different location on your computer screen.

## Shooting with Continuous Shutter (Continuous Shutter)

With Continuous Shutter, you can click and hold the [Shutter] button with your mouse to shoot consecutive images. Image recording will continue until you release the mouse button or until 60 images are shot.

1. Select “Continuous Shutter” for the “Mode/Movie Mode” setting.
2. Configure the “Exposure”, “Mode Setting”, “High-speed”, and other settings as required.

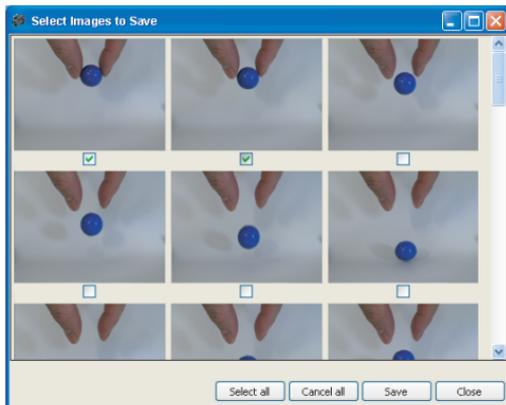
3. Click [Half-press].

This is the same as half-pressing and holding the camera’s shutter button. If you want to cancel the shutter button half-press, click the [Half-press] button again.

4. Move your mouse pointer to the [Shutter] button, and then click and hold the left mouse button to shoot.

5. Release the left mouse button when you are done.

If you have “Save to PC” selected for the “File Storage” setting on the “Normal Setting” dialog box on page 16, this will cause the “Select Images to Save” dialog box for selecting the images you want to save to appear.



6. Select the check boxes under all of the images you want to save and then click [Save] to save them.

<b>Select all</b>	Selects all of the image check boxes.
<b>Cancel all</b>	Clears all of the image check boxes.
<b>Save</b>	Saves all of the images whose check boxes are selected and closes the dialog box. Any images whose check boxes are not selected will be deleted.
<b>Close</b>	Closes the dialog box without saving anything. All of the current images will be deleted.



### IMPORTANT!

- The “Select Images to Save” dialog box will not appear if you have “Save to SD card” selected for the “File Storage” setting on the “Normal Setting” dialog box on page 16.

## Shooting with Prerecord Still Image (Prerecord Still Image)

With Prerecord Still Image, the camera pre-records images while the [Half-press] button is depressed. Clicking and holding the [Shutter] button stores the pre-recorded images and shoots a series of real-time images until the [Shutter] button is released. Up to a total of 60 images can be recorded.

- 1. Select “Prerecord Still Image” for the “Mode/Movie Mode” setting.**
- 2. Configure the “Exposure”, “Mode Setting”, “Prerecord CS shot”, and other settings as required.**
- 3. Click [Half-press].**

This will adjust the focus and start prerecording of images. A preset number of images are pre-recorded in camera memory. The pre-recorded images are continually updated until you click the [Shutter] button.
- 4. Move your mouse pointer to the [Shutter] button, and then click and hold the left mouse button.**

This will save the current pre-recorded images and start shooting real-time images. Keep the left mouse button depressed to keep shooting images.
- 5. Release the left mouse button when you are done.**

If you have “Save to PC” selected for the “File Storage” setting on the “Normal Setting” dialog box on page 16, this will cause the “Select Images to Save” dialog box for selecting the images you want to save to appear.
- 6. Select the check boxes under all of the images you want to save and then click [Save] to save them.**

<b>Select all</b>	Selects all of the image check boxes.
<b>Cancel all</b>	Clears all of the image check boxes.
<b>Save</b>	Saves all of the images whose check boxes are selected and closes the dialog box. Any images whose check boxes are not selected will be deleted.
<b>Close</b>	Closes the dialog box without saving anything. All of the current images will be deleted.



### **IMPORTANT!**

- The “Select Images to Save” dialog box will not appear if you have “Save to SD card” selected for the “File Storage” setting on the “Normal Setting” dialog box on page 16.

## Recording a Movie (Movie (STD), Movie (HD))

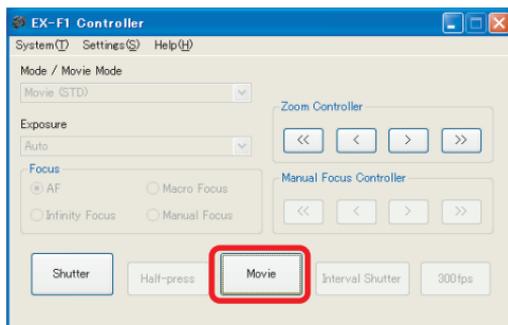
Use the following procedure to record a movie.

1. Select “Movie (STD)” or “Movie (HD)” for the “Mode/Movie Mode” setting.

Movie (STD)	Select to record an STD movie.
Movie (HD)	Select to record an HD (HD/FHD) movie.

2. Configure the “Mode Setting” and other settings as required.

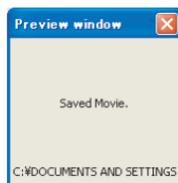
3. Click [Movie] to start movie recording.



4. Click [Movie] again to stop movie recording.

This will display a preview window.

The preview window appears only when “Save to PC” is selected for the “File Storage” setting (page 17).



### NOTE

- You can shoot snapshots while shooting a movie (Snapshot in Movie) by clicking [Shutter].



### IMPORTANT!

- When recording a movie, the movie is first saved to the memory card loaded in the camera, even if you have “Save to PC” selected for the “File Storage” setting on the “Normal Setting” dialog box on page 16. Make sure there is sufficient capacity available on the memory card before recording a movie.
- The “Exposure” setting for movie recording is always “Auto” and cannot be changed by you. Any “Exposure” setting you select using the “Mode Setting” menu item is ignored during movie recording.

## Recording a Prerecord Movie (Prerecord Movie (STD), Prerecord Movie (HD))

“Prerecord Movie (STD)” and “Prerecord Movie (HD)” saves pre-recorded images starting from about five seconds before the shutter button is pressed.

### 1. Select “Prerecord Movie (STD)” or “Prerecord Movie (HD)” for the “Mode/Movie Mode” setting.

Prerecord Movie (STD)	Select to record a Prerecord STD Movie.
Prerecord Movie (HD)	Select to record a Prerecord HD (HD/FHD) Movie.

### 2. Configure the “Mode Setting” and other settings as required.

### 3. Click [Movie].

Click to save about five seconds of action that was pre-recorded before you clicked [Movie] and start real-time movie recording.

### 4. Click [Movie] again to stop movie recording.

This will display a preview window.

The preview window appears only when “Save to PC” is selected for the “File Storage” setting (page 17).

#### NOTE

- You can shoot snapshots while shooting a movie (Snapshot in Movie) by clicking [Shutter]. You cannot shoot snapshots during the pre-recording before you click [Movie].

#### IMPORTANT!

- When recording a movie, the movie is first saved to the memory card loaded in the camera, even if you have “Save to PC” selected for the “File Storage” setting on the “Normal Setting” dialog box on page 16. Make sure there is sufficient capacity available on the memory card before recording a movie.
- The “Exposure” setting for movie recording is always “Auto” and cannot be changed by you. Any “Exposure” setting you select using the “Mode Setting” menu item is ignored during movie recording.

## Recording a High-speed Movie (Movie (HS))

You can use the following procedure to record a high-speed movie.

- Audio is not recorded during high-speed movie recording.

- 1. Select “Movie (HS)” for the “Mode/Movie Mode” setting.**

---
- 2. Configure the “Mode Setting”, “HS”, and other settings as required.**

---
- 3. Click [Half-press] to have the camera adjust the focus and exposure automatically.**

---
- 4. Click [Half-press] again to cancel the shutter button half-press.**

---
- 5. Click [Movie] to start movie recording.**

---
- 6. Click [Movie] again to stop movie recording.**

This will display a preview window.  
The preview window appears only when “Save to PC” is selected for the “File Storage” setting (page 17).

### **IMPORTANT!**

- When recording a movie, the movie is first saved to the memory card loaded in the camera, even if you have “Save to PC” selected for the “File Storage” setting on the “Normal Setting” dialog box on page 16. Make sure there is sufficient capacity available on the memory card before recording a movie.
- When recording with “Movie (HS)”, you can select the “Exposure” setting (A, S, M) you want.

## Recording a Prerecord High-speed Movie (Prerecord Movie (HS))

With Prerecord Movie (HS), the camera pre-records about five seconds of action that occurred before you start real-time recording.

- Audio is not recorded during Prerecord High-speed Movie recording.

- 1. Select “Prerecord Movie (HS)” for the “Mode/Movie Mode” setting.**

---
- 2. Configure the “Mode Setting”, “HS”, and other settings as required.**

---
- 3. Click [Half-press] to have the camera adjust the focus and exposure automatically.**

---
- 4. Click [Half-press] again to cancel the shutter button half-press.**

---
- 5. Click [Movie] to start movie recording.**

This will save about five seconds of action that was pre-recorded before you clicked [Movie] and start real-time movie recording.

---
- 6. Click [Movie] again to stop movie recording.**

This will display a preview window.  
The preview window appears only when “Save to PC” is selected for the “File Storage” setting (page 17).

---



### **IMPORTANT!**

- When recording a movie, the movie is first saved to the memory card loaded in the camera, even if you have “Save to PC” selected for the “File Storage” setting on the “Normal Setting” dialog box on page 16. Make sure there is sufficient capacity available on the memory card before recording a movie.
- When recording with “Prerecord Movie (HS)”, the “Exposure” setting is always “Auto” and cannot be changed by you. Any “Exposure” setting you select using the “Mode Setting” menu item is ignored during movie recording.

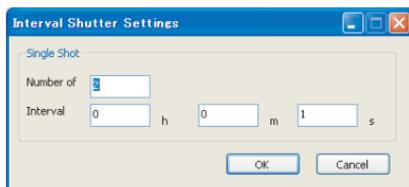
## Interval Recording

With interval recording, you can configure the camera to shoot a series of images over a specified period. Interval recording is enabled only when “Single Shot” is selected for the “Mode/Movie Mode” setting.

1. Select “Single Shot” for the “Mode/Movie Mode” setting.
2. Configure the “Exposure”, “Mode Setting”, and other settings as required.
3. On the “Settings” menu, select “Interval Shutter Setting”.



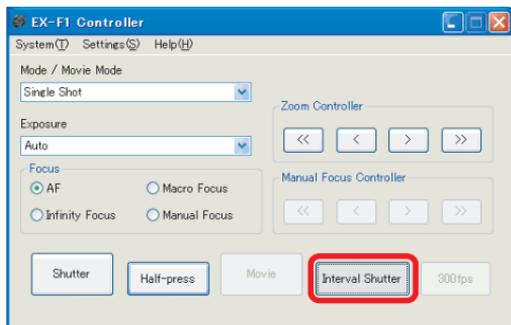
4. Use the “Number of” setting to specify the number of images.
5. Use the “Interval” setting to specify the shooting interval.
6. Click [OK].
7. Click [Half-press].



8. Click [Interval Shutter].

This will shoot the first image and display it in a preview window. After this, images will be shot automatically in accordance with the interval and number of images settings and interval recording will end when shooting is complete.

The preview window appears only when “Save to PC” is selected for the “File Storage” setting (page 17).



### IMPORTANT!

- The time you specify for “Interval” is approximate. CASIO makes no guarantees about the precision of the interval time.

## Symptoms and Remedies

### **“PC Control” is not displayed on the camera’s monitor screen.**

Reset the camera and then select “PC Control” for the “USB” setting (page 8).

- Press [MENU]. On the “Set Up” tab, select “Reset”, select the “Reset” item, and then press [SET].

### **My computer does not recognize the camera.**

- 1) First, check the following points to ensure that the camera is connected correctly to your computer.
  - Is the camera turned on? Is the camera’s battery supplying power?
  - Is the memory card loaded in the camera full or is it locked?
  - Is “PC Control” selected for the camera’s “USB” setting (page 8)?
  - Is the USB cable plugged in as far as it will go? If it is, try connecting to a different USB port (if your computer has more than one).
  - If you are connecting through a USB hub, try connecting directly to your computer’s USB port.
  - If available, try connecting to a different computer. If operation is normal when connected to the other computer, it means there is no problem with the camera and USB cable. Check the other troubleshooting items.
- 2) If you are running Windows XP with an OHCI USB controller, USB may not be recognized if you connect the USB cable while the OHCI controller is dormant.
- 3) Even if your computer’s USB operating environment is configured properly, other USB devices are operating properly, and there is no problem with the camera, USB cable, and USB driver, incompatibilities with the computer chipset can result in failure of the digital camera USB connection to be recognized by the computer. In this case, you will not be able to connect the camera directly to your computer.
- 4) Has the camera’s firmware been updated? Check to make sure that the camera’s firmware is version 2.00 (page 8). If the firmware is a different version, update it (page 6).
- 5) Is the driver installed correctly? Install the driver in accordance with the procedure on page 9.

### **EX-F1 Controller shuts down and Mode Settings are not displayed.**

You will not be able to change the mode settings or exit EX-F1 Controller when any one of the following conditions exists. Eliminate the condition causing the problem.

- While [Half-press] is depressed. Click [Half-press] again to release the shutter button half-press.
- While a Continuous Shutter operation is in progress. Quit the Continuous Shutter operation.
- While a movie recording operation is in progress. Quit the movie recording operation.

### **Nothing appears on the camera monitor screen.**

The camera’s monitor screen is disabled whenever any one of the following conditions exists.

- When EVF is selected on the camera for the monitor setting before the USB cable is connected.
- When the EX-F1 Controller “Monitor Screen” setting is “PC”.

**The aperture setting configure with Mode Settings is not used when I record images.**

When “A” (Aperture priority) or “M” (Manual Exposure) is selected for the EX-F1 Controller “Exposure” setting, changing the zoom factor does not cause the aperture range to change. To check the aperture value use for recording, change the “Monitor Screen” setting to “LCD” and view the aperture value on the camera’s monitor screen.

**The camera buttons don’t work.**

Except for the power button, all camera buttons and dials, the zoom controller, the function ring, and other camera controllers are disabled while EX-F1 Controller is running. If you want to perform operations on the camera, exit EX-F1 Controller and disconnect the USB cable.

**When I select a camera from among multiple cameras that are connected, the connection order is different from the device numbers.**

Device numbers do not necessarily match the connection order. Before actual recording, try some test operations to determine which camera is currently connected to the computer. Note that you cannot have multiple instances of EX-F1 controller running at the same time.

**I can’t view snapshots in the camera’s PLAY mode after using EX-F1 Controller to store them on my computer.**

Snapshots you transfer to your computer while the EX-F1 Controller “File Storage” setting is “Save to PC” (page 17) include information that is different from snapshots shot with the camera. Because of this, such images cannot be displayed by the camera if you copy them to the camera’s built-in memory or memory card. If you want to be able to view images on the camera, select “Save to SD card” for the “File Storage” setting, which will save recorded images to the camera.

**I can’t perform camera operations from my computer or I can’t turn off the camera.**

An error message may appear and the camera may stop responding if you make a series of mode or setting changes too quickly. If this happens, follow the instructions provided by the error message to clear it. Next, remove and then replace the camera’s battery and then restart EX-F1 Controller.

\* For other recording precautions, see the camera’s User’s Guide.

## EX-F1 Controller Error Messages

When any one of the conditions described below occurs, EX-F1 Controller will display an error message, the connection with the camera will be terminated, and the camera will turn off.

<b>Device # failed the connection.</b>	<ul style="list-style-type: none"><li>• The lock switch of the memory card loaded in the camera is locked.</li><li>• The remaining capacity of the memory card loaded in the camera or the camera's built-in memory is low.</li></ul>
<b>Device # was disconnected</b>	<ul style="list-style-type: none"><li>• The USB cable was disconnected while EX-F1 Controller was running.</li><li>• Camera power was turned off while EX-F1 Controller was running.</li><li>• The memory card was removed from the camera while recording was in progress.</li></ul>
<b>Memory Full</b>	<ul style="list-style-type: none"><li>• "Save to SD card" is selected for storing snapshots and remaining memory capacity ran low while shooting was in progress.</li><li>• Memory card remaining capacity ran low while movie recording was in progress.</li><li>• Camera power was turned off while movie recording was in progress.</li></ul>

\* In addition to the above, camera error messages described in the camera's user's guide also may appear on your computer screen. For full details about such messages, see the user documentation that comes with your camera.

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