

## Introduction

Thank you for purchasing a Canon zoom lens.

Documentation includes the printed Lens Manual, Information Display CD-ROM.

Refer to this Information Display Manual for operating instructions and procedures for the information display.

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## **Index End**



## GENERAL SAFETY INFORMATION



The safety warnings and cautions provided on the product or in this operation manual must be observed.

Failure to observe these warnings and cautions may result in injury or accident.

Read this operation manual carefully to familiarize yourself with its contents and ensure that you can operate the product properly.

Also, store this manual in a safe place where it can easily be referenced whenever necessary.

This operation manual uses the following symbols and terms to identify hazards in order to prevent accidents.

 <b>Warning</b>	This indicates a potentially hazardous situation which, if not heeded, may result in death or serious injury to you or others. Be sure to heed all warning notices to ensure safe operation at all times.
 <b>Caution</b>	This indicates a potentially hazardous situation which, if not heeded, may result in a minor injury to you or others, or damage to property.
<b>Note</b>	This indicates cautions and recommendations for operation. It contains information which, if not heeded, may result in this product failing to function properly. These notices also contain useful information for operation.

## HANDLING THE PRODUCT

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### Warning

1. Do not get this product wet or allow liquid inside. If water gets inside, stop using the product immediately. Continuing to use the product under this condition may cause a fire or electric shocks.
2. Do not stare at the sun or other bright objects through the lens. It may injure your eyes.
3. Be sure to hold the connector when disconnecting the cable. Pulling on the cable may sever or damage it and pose a risk of a fire or electric shocks from a short circuit.



### Caution

1. Be careful not to drop the product when carrying it. Dropping the product may cause injury.
2. Ensure that all mountings are securely tightened. If a mounting becomes loose, parts may fall off and cause injury.
3. Inspect mountings regularly (about every six months to one year) to ensure they are securely tightened. If a mounting becomes loose, parts may fall off and cause injury.
4. When this product is used under a blazing sun, the inside of the unit may be heated to high temperature. When it is expected that the unit is exposed to elevated temperature, take measures against heat as appropriate on the customer's side.

### Note

1. Striking or dropping the lens may cause the malfunction of the product.
2. This product is not waterproof. Take measures to avoid direct contact with rain, snow, or moisture. Otherwise it may cause the malfunction of the product.
3. In dusty environments, cover the lens mount when using, attaching or removing the lens. If dust enters inside, it may cause the malfunction of the product.
4. Take measures to avoid sudden changes in temperature where the lens is used, which may prevent operation temporarily if condensation forms in the lens.
5. Before use in particular environments, such as places where chemical products are used, contact your Canon sales representative or dealer.

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## DEALING WITH ABNORMALITIES

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### Warning

Should any of the abnormalities described below occur, immediately dismount the lens from the camera and contact your Canon sales representative or dealer.

- Smoke, fumes, or unusual noises
- Entry of foreign objects (such as liquid or metal objects) inside the product

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## MAINTENANCE AND INSPECTION

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### Warning

Be sure to disconnect the cable and remove the lens from the camera before cleaning outside of the lens. Do not use benzene, thinner, or other flammable substances to clean the product. Otherwise it may cause a fire or electric shocks.

### Note

1. Clean off any dust on the lens surface using a lens blower or a soft lens brush. In case of getting fingerprints or stains on the lens, use a clean cotton cloth moistened with commercial lens cleaning fluid, or use lens cleaning paper. Gently wipe in a spiral pattern from the center of the lens. Be careful not to rub dust across the lens, which may scratch the lens surface
2. Routine inspection about once a year is recommended, depending on the conditions and environment of use. Request overhaul, if needed.

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## STORAGE

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### Caution

Always attach the lens cap, hood cap, dust cap or covers before storage. Storing the lens without the caps or covers attached poses a risk of fire if the lens concentrate light in direct sunlight.

### Note

Immediately wipe off any moisture on the lens from misty or foggy environments, using a dry cloth. Seal the lens in a plastic bag with a desiccant (preferably new) to prevent moisture inside. Otherwise it may cause the mold or the malfunction of the product.

## TO THE CUSTOMER

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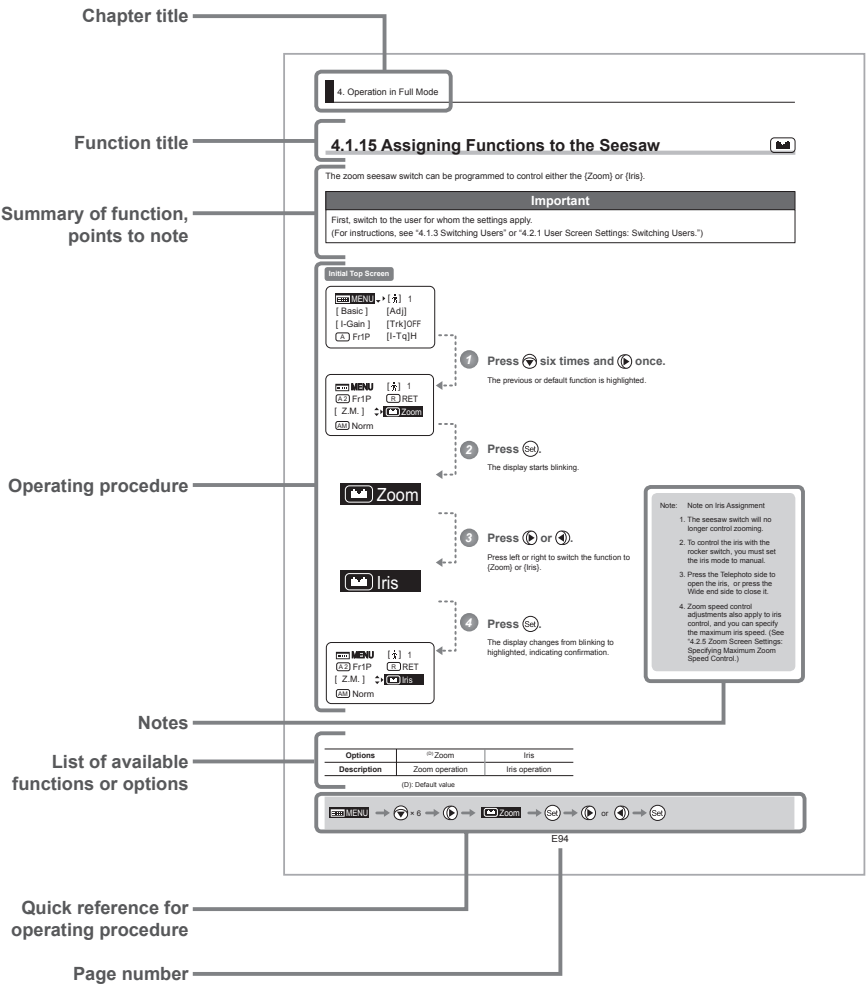
1. Canon shall bear no responsibility for damage resulting from improper operation of this product by the customer.
2. Canon shall make no guarantees about the product quality, functions, or operation manual and its marketability and suitability for the customer's purpose.  
Moreover, Canon shall bear no responsibility for any damage, direct or incidental, that results from usage for the customer's purpose.
3. Canon shall make no guarantees about the results obtained using this product.
4. The product specifications, configuration, and appearance are subject to change without prior notice.
5. For further information on repairs, maintenance, or adjustments not mentioned in this operation manual, contact your Canon sales representative or dealer.
6. Note that Canon may be unable to undertake servicing or repair of a product if it is modified without consulting Canon or your Canon sales representative.

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# Manual Layout

Pages with instructions are organized as follows.



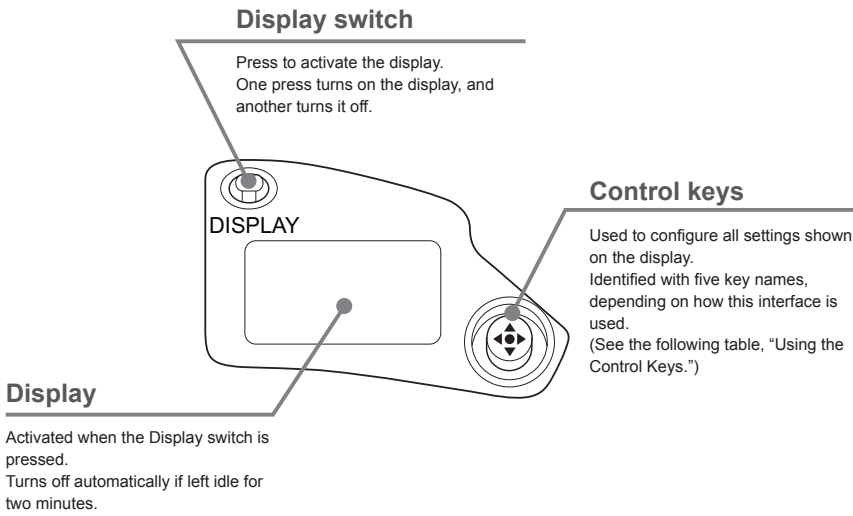
## Manual Conventions

The following conventions are used in this manual.
















Convention	Description	Example
<u>** screen</u>	Names of screens are underlined.	The <u>Top screen</u> is displayed.
[   ]	Names of setting items are enclosed in square brackets.	[Frame 1] is underlined.
{   }	Names of options are enclosed in curly brackets.	Select {FAST}.

Part Names

Part Names and Functions



Using the Control Keys

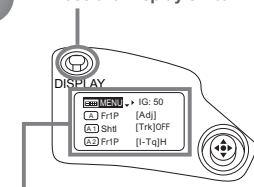
Key	Operation	Details	Manual Convention
Set key	Press 	Pressed when {  } is displayed, or when entering a selection.	
Right key	Move right 	Can be used when {  } is displayed.	
Left key	Move left 	Can be used when {  } is displayed.	
Up key	Move up 	Can be used when {  } is displayed.	
Down key	Move down 	Can be used when {  } is displayed.	

## Basic Sequence of Operations

**1** Turn on the lens.

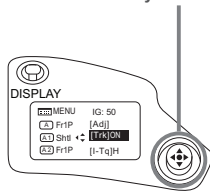
Note: For instructions on turning the lens on, refer to the camera manual.

**2** Press the Display switch.



The display is now illuminated.

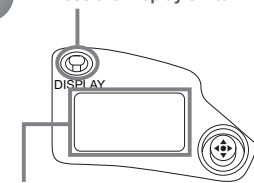
**3** Use the control keys to complete settings.



Changes are saved.

Note: The display turns off automatically after two minutes if no control keys are pressed. (Auto Off.) However, the display remains active as long as the Fol. screen is shown. In this case, it is only deactivated when you press the Display switch.

**4** Press the Display switch.



The display is turned off.

Note: Any changes to settings are saved even if the display is automatically deactivated, just as they are when it is switched off manually.



When the display is deactivated manually, changes to settings are saved and the display is turned off.

However, if the lens is turned off while the display is on, changes to settings may not be saved.



### Important

For Reference: Display appearance when restoring original settings

Basic Mode

User   
 ↕ResetAll   
 User: y/n

Full Mode

User   
 ↕ResetAll   
 User: y/n  
 AllUser: y/n

### Restoring the Original Settings

The original settings can be restored, in the case of incorrect settings or if you have tried some settings tentatively.

For details, see "Resetting Values" in "3. Operation in Basic Mode" or "4. Operation in Full Mode."

# 1

## Screen Organization

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# 1. Screen Organization

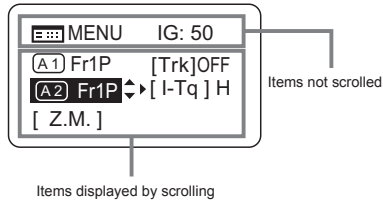
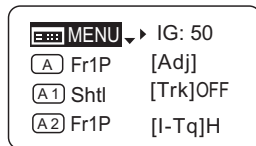
Screens contain 22 setting items in Basic mode, 38 in Full mode, and 3 in Analog mode, with Basic and Full modes also including a "follow" screen containing three setting items that have relative values. To access frequently used items on the **Top screen**, press the Display switch. All settings can be configured from the **Menu screen**, which also includes advanced settings. (See "Menu Screen" in "1. Screen Organization.")

## 1.1 Top Screen

(For instructions on configuring the settings, see "Configuration from the Top Screen" in each mode.)

The **Top screen** contains 9 setting items in Basic mode, 15 in Full mode, and 3 in Analog mode.

Initial Top Screen in Basic Mode

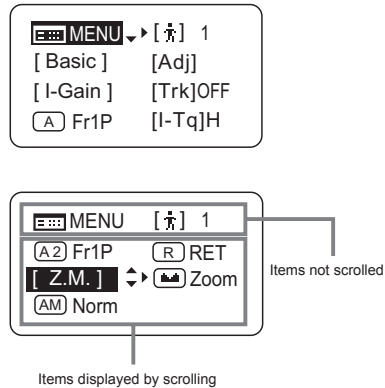


### Top Screen in Basic Mode

Of the 9 setting items in Basic mode, the 8 more common are shown on the **Top screen**. The other 1 can be accessed by pressing down to scroll down the screen.

1. Go to Menu screen
2. Auto iris gain settings
3. AUX switch assignment
4. Mechanical end auto-adjustment
5. AUX1 switch assignment
6. Zoom tracking ON/OFF
7. AUX2 switch assignment
8. Iris torque settings
9. Zoom curve mode settings

Initial Top Screen in Full Mode



## Top Screen in Full Mode

Of the 15 setting items in Full mode, the 8 most common are shown on the **Top screen**. The other 6 can be accessed by pressing down to scroll down the screen.

1. Go to Menu screen
2. Switch users
3. Switch to Basic mode
4. Mechanical end auto-adjustment
5. Iris gain settings
6. Zoom tracking ON/OFF
7. AUX switch assignment
8. Iris torque settings
9. AUX1 switch assignment
10. VTR switch assignment
11. AUX2 switch assignment
12. RET switch assignment
13. Zoom curve mode settings
14. Seesaw switch assignment
15. Iris A/M switch setting

Initial Top Screen in Analog Mode



## Top Screen in Analog Mode

1. Go to Menu screen
2. Auto iris gain settings
3. Switch to Basic mode

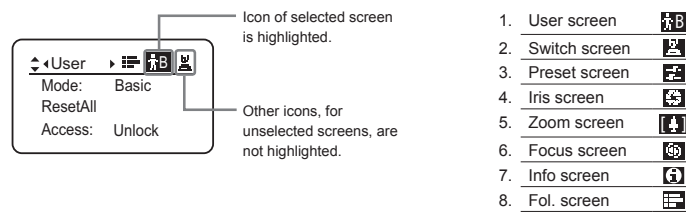
## 1.2 Menu Screen

(For instructions on configuring the settings, see the “Menu Screen” section in the descriptions of each mode.)

Setting items in each mode and on the “follow” screen are organized by function. All of these screens are collectively referred to as the **Menu screen**.<sup>†</sup>

### Menu Screen in Basic Mode

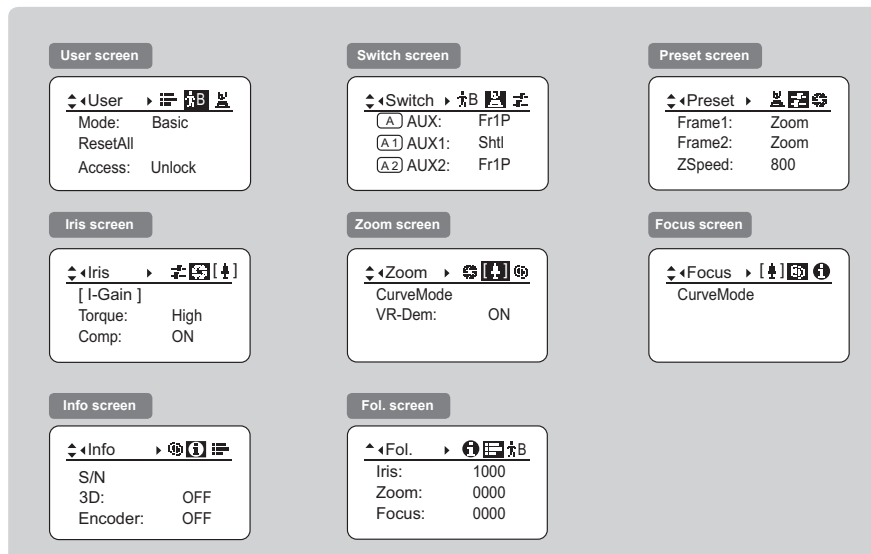
In Basic mode, the 22 setting items and three “follow” settings with relative values are organized by function into the following 8 screens.



<sup>†</sup>: There is no single **Menu screen**. Instead, these 8 screens are collectively referred to as the **Menu screen**.

To access these screens, select [MENU] on the **Top screen** and press the Set key. Initially, the **User screen** is displayed. To access other screens, press left or right.

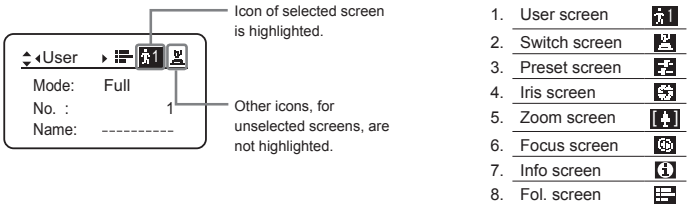
### Menu Screen in Basic Mode





## Menu Screen in Full Mode

In Full mode, the 38 setting items and three "follow" settings with relative values are organized by function into the following 8 screens.



\*: There is no single **Menu screen**. Instead, these 8 screens are collectively referred to as the **Menu screen**.

To access these screens, select [MENU] on the **Top screen** and press the Set key. Initially, the **User screen** is displayed. To access other screens, press left or right.

## Menu Screen in Full Mode

User screen

◀User ▶

Mode: Full

No.: 1

Name: -----

Switch screen

◀Switch ▶

(A) AUX: Fr1P

(A1) AUX1: Shtl

(A2) AUX2: Fr1P

Preset screen

◀Preset ▶

Frame1: Zoom

Frame2: Zoom

ZSpeed: 800

Iris screen

◀Iris ▶

[ I-Gain ]

Torque: High

Comp: ON

Zoom screen

◀Zoom ▶

Tracking: OFF

Movement

CurveMode

Focus screen

◀Focus ▶

CurveMode

Info screen

◀Info ▶

S/N

3D: OFF

Encoder: OFF

Fol. screen

◀Fol. ▶

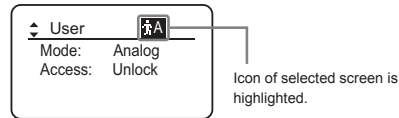
Iris: 1000


Zoom: 0000

Focus: 0000

## Menu Screen in Analog Mode

In Analog mode, 2 setting items are presented as the User screen.



1. User screen 

": There is no single Menu screen. Instead, screens accessed by selecting [MENU] are collectively referred to as the Menu screen.

To access this screen, select [MENU] on the Top screen and press the Set key. The User screen is now displayed.

## Menu Screen in Analog Mode



# 2

## Mode Selection

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INFORMATION DISPLAY

## 2. Mode Selection

### 2.1 Modes

The following 3 modes are available. Choose a mode that suits your purpose or preference.

- 1. Basic Mode:** Restricted settings and information. Recommended for users who do not require sophisticated settings. This is the default mode.
- 2. Full Mode:** All settings and information are available.
- 3. Analog Mode:** Used when no digital functions are needed.

For details, see "3. Operation in Basic Mode," "4. Operation in Full Mode," or "5. Operation in Analog Mode."

# 3

## Operation in Basic Mode

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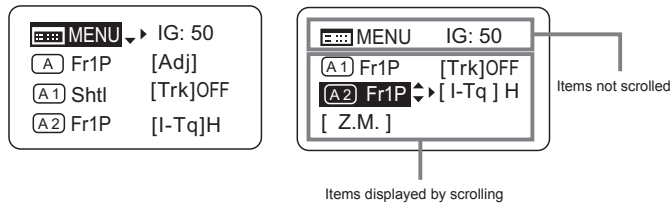
## 3. Operation in Basic Mode

### 3.1 Configuration from the Top Screen

To access the **Top screen**, press the Display switch.

A total of 9 items can be configured on the **Top screen** in Basic mode. The first screen displayed is referred to as the **Initial Top screen**. Status of some items can be checked simply by accessing this screen.

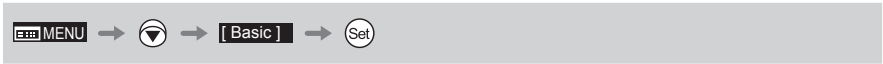
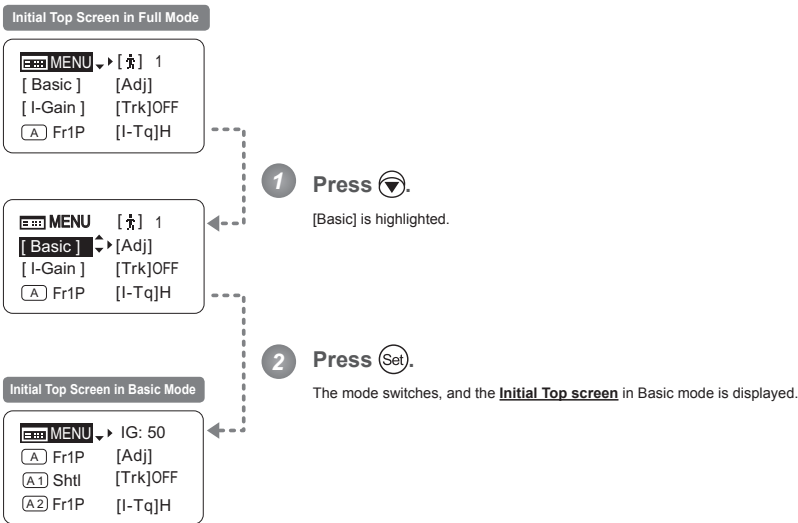
Initial Top Screen in Basic Mode



### 3.1.1 Selecting Basic Mode

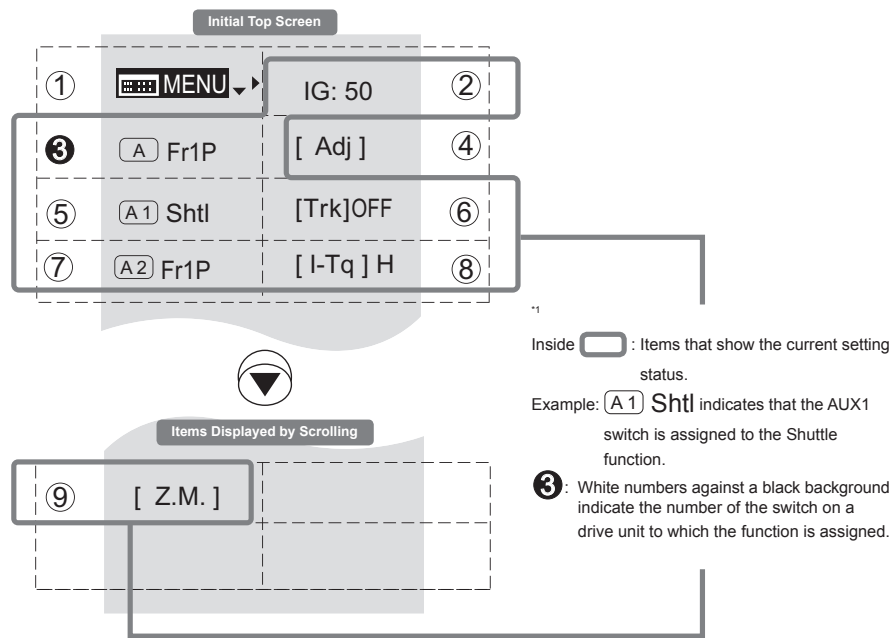
Basic mode is the default mode, but it can also be accessed from other modes as follows.

#### Switching from Full to Basic Mode



### 3.1.2 Top Screen

A total of 9 items can be configured on the **Top screen** in Basic mode, and 8 items are shown on the **Initial Top screen**. The other items can be accessed by pressing down to scroll down the screen. (See the following figure.) Status of some items can be checked simply by accessing this screen. (Shown in the figure below.<sup>\*)</sup>)





### ① **Menu screen**

See "3.2 Configuration from the Menu Screen."

### ② **IG Auto iris gain**

Adjust the auto iris gain value as needed.

See "3.1.3 Specifying Auto Iris Gain."

### ③ **AUX switch**

By default, the AUX switch for a drive unit is assigned to the {Frame Preset 1} function, but it can be reassigned as needed.

See "3.1.4 Assigning Functions to the AUX Switch."

### ④ **[Adj] Mechanical end auto-adjustment**

Perform automatic adjustment of the mechanical end in zoom, focus, and iris operations on the lens and drive unit.

See "3.1.5 Auto-Adjusting the Mechanical End."

### ⑤ **AUX1 switch**

By default, the AUX1 switch for a zoom demand is assigned to the {Shuttle} function, but it can be reassigned as needed.

See "3.1.6 Assigning Functions to the AUX1 Switch."

### ⑥ **[Trk] Zoom tracking**

Switch to ON when using zoom tracking.

See "3.1.7 Zoom Tracking ON/OFF."

### ⑦ **AUX2 switch**

By default, the AUX2 switch for a zoom demand is assigned to the {Frame Preset 1} function, but it can be reassigned as needed.

See "3.1.8 Assigning Functions to the AUX2 Switch."

### ⑧ **[I-Tq] Iris torque**

Adjust the level of torque in manual control of the iris ring as needed.

See "3.1.9 Specifying Iris Torque."

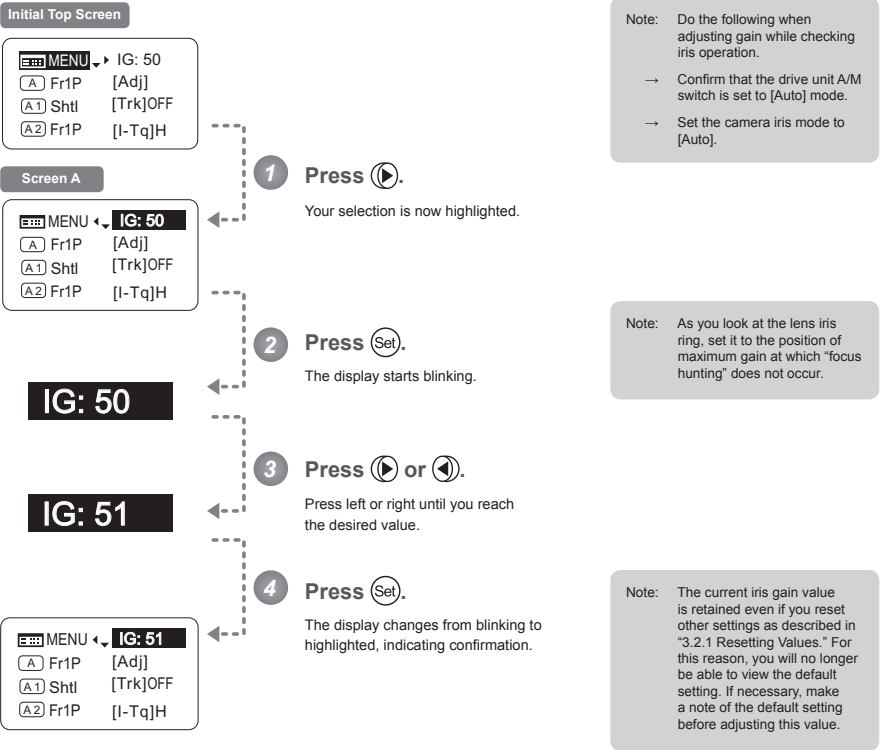
### ⑨ **[Z.M.] Zoom curve mode**

Adjust zoom speed in response to pressing the zoom seesaw switch or tilting the analog demand thumb ring.

See "3.1.10 Specifying Zoom Curve Mode."

### 3.1.3 Specifying Auto Iris Gain [IG]

Although this value is factory-set, it can be adjusted as needed.  
To adjust the value, use either the auto iris gain adjustment trimmer (refer to the Lens Manual) or display operations.  
Regardless of the method of adjustment used, the most recent setting takes precedence.  
The same auto iris gain value applies to all users.



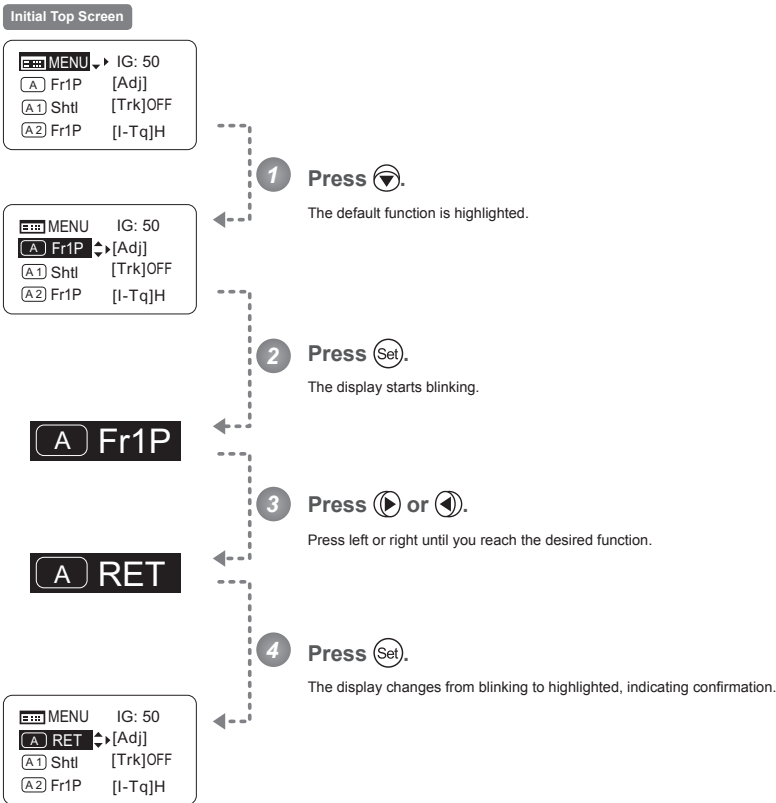
Options	01	to	99
Description	Minimum gain Maximum gain		

Default: Varies depending on the factory-set value, but corresponds to the value determined with the iris gain adjustment trimmer.



3.1.4 Assigning Functions to the AUX Switch

Assign your desired functions to the AUX switch.



Options	<sup>(D)</sup> Fr1P	Fr1F	Fr2P	Fr2F	Sped	Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value



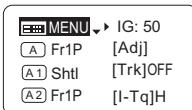
### 3.1.5 Auto-Adjusting the Mechanical End [Adj]

Perform automatic adjustment of the mechanical end in zoom, focus, and iris operations on the lens and drive unit.

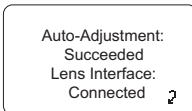
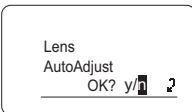
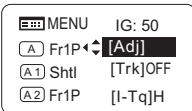
#### Note

If "Auto-Adjustment: Error/Lens Interface: Non-Connected" is displayed after adjustment, contact Canon or your dealer.

#### Initial Top Screen



#### Screen A



1 Press and then .

Your selection is now highlighted.

2 Press .

The display switches to the **Auto-Adjustment screen**.

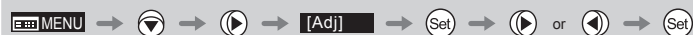
3 Press and then .

Adjustment now begins.  
During adjustment, the screen blinks.

After this, adjustment is finished.

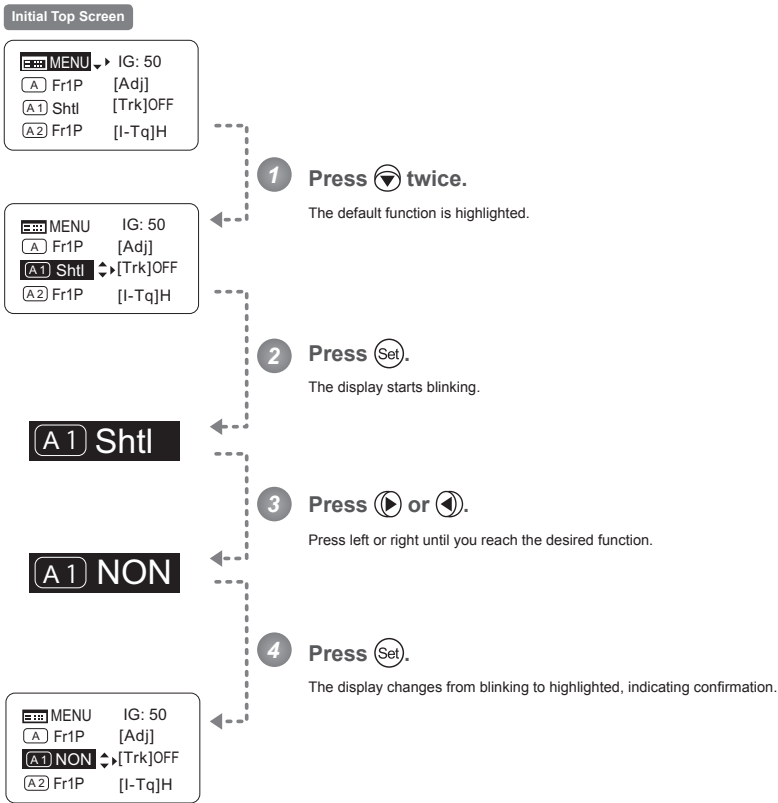
Press after adjustment to return to **Screen A**.

Note: In manual zoom or focus modes, "Please Check Servo/Manual OK?" is displayed after step 3. After checking, press to start adjustment.



3.1.6 Assigning Functions to the AUX1 Switch (A1)

Assign your desired functions to the AUX1 switch.



Options	Fr1P	Fr1F	Fr2P	Fr2F	Sped	<sup>(D)</sup> Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value



## 3.1.7 Zoom Tracking ON/OFF

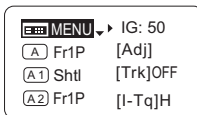
[Trk]

Activate or deactivate zoom tracking as needed.

## Important

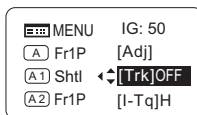
In Basic mode, any adjustments to this setting are not retained when the lens is turned off, and the default value is restored on startup.

## Initial Top Screen



1 Press twice and once.

The default setting is highlighted.



2 Press .

The display starts blinking.

[Trk]OFF

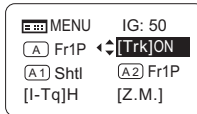
3 Press or .

Press left or right to switch the function {ON} or {OFF}.

[Trk]ON

4 Press .

The display changes from blinking to highlighted, indicating confirmation.



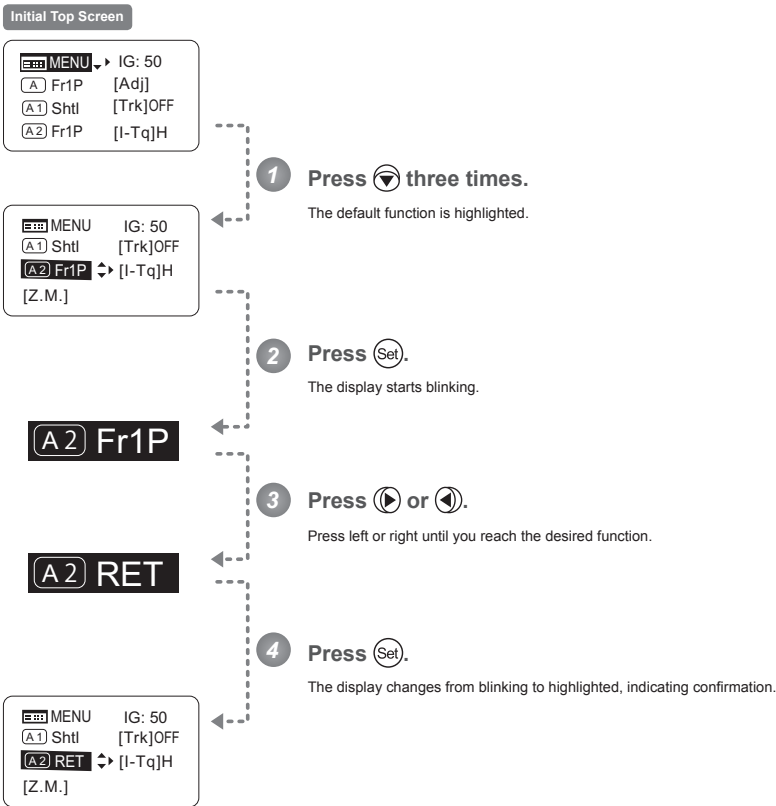
Options	<sup>(D)</sup> OFF	ON
---------	--------------------	----

(D): Default value



### 3.1.8 Assigning Functions to the AUX2 Switch A2

Assign your desired functions to the AUX2 switch.



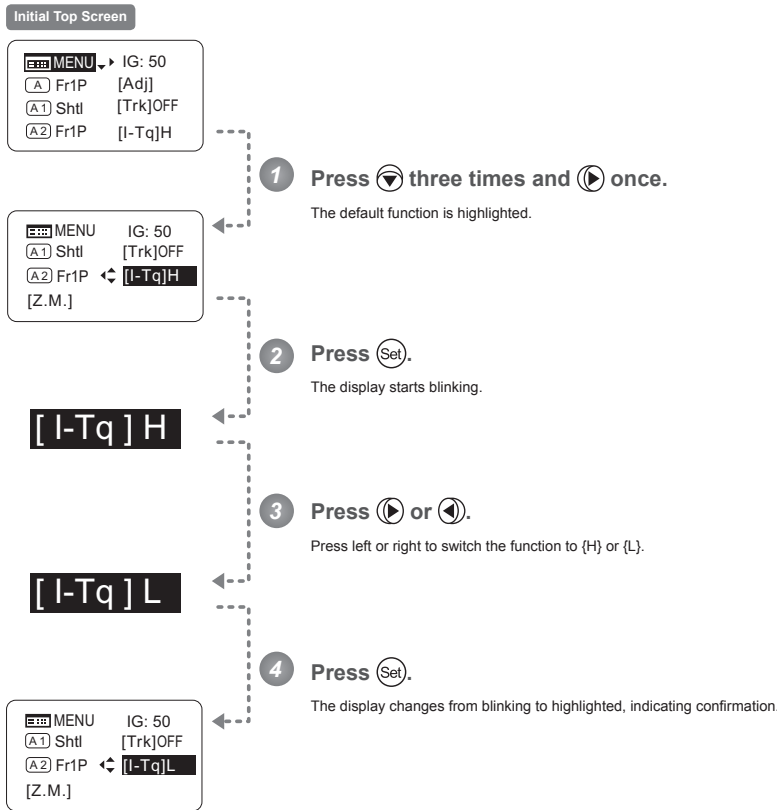
Options	<sup>(D)</sup> Fr1P	Fr1F	Fr2P	Fr2F	Sped	Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value



### 3.1.9 Specifying Iris Torque [I-Tq]

Specify the desired level of torque in manual control of the iris ring.



Options	<sup>(D)</sup> H	L
Description	High torque	Low torque

(D): Default value

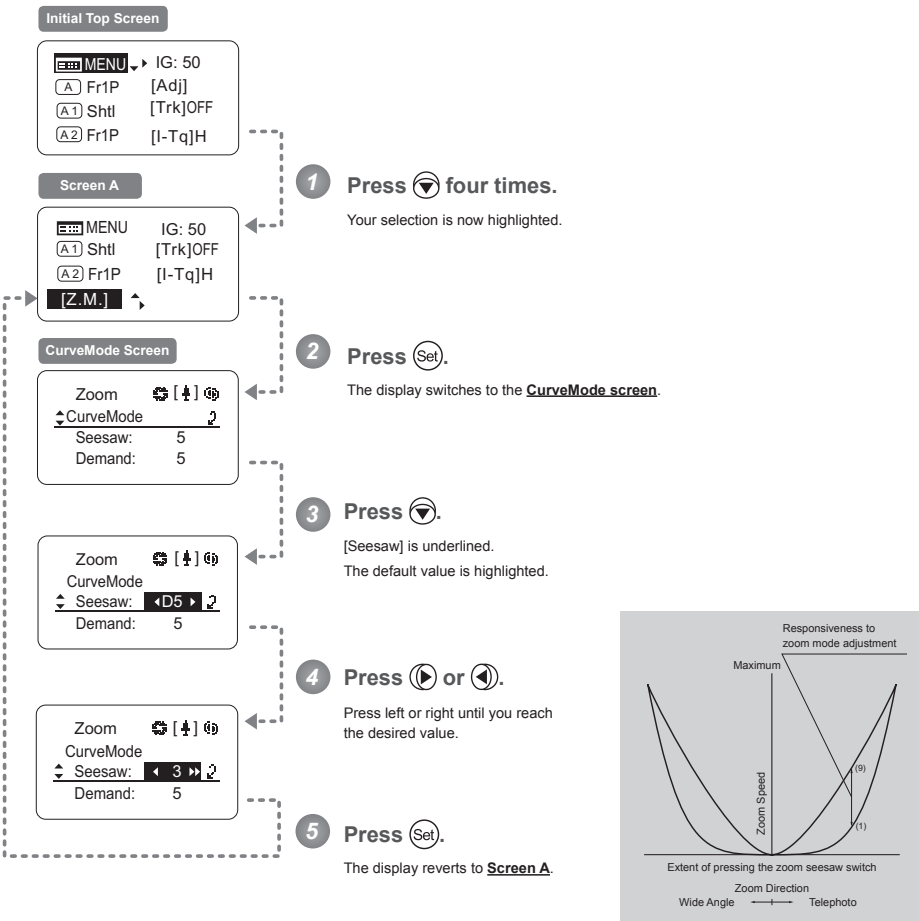




3.1.10 Specifying Zoom Curve Mode [Z.M.]

Specifying Seesaw Switch Responsiveness

Configure the responsiveness of zoom speed adjustment in response to pressing the zoom seesaw switch.  
(Note: Another screen is displayed when this setting is configured.)



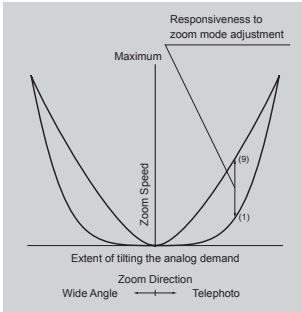
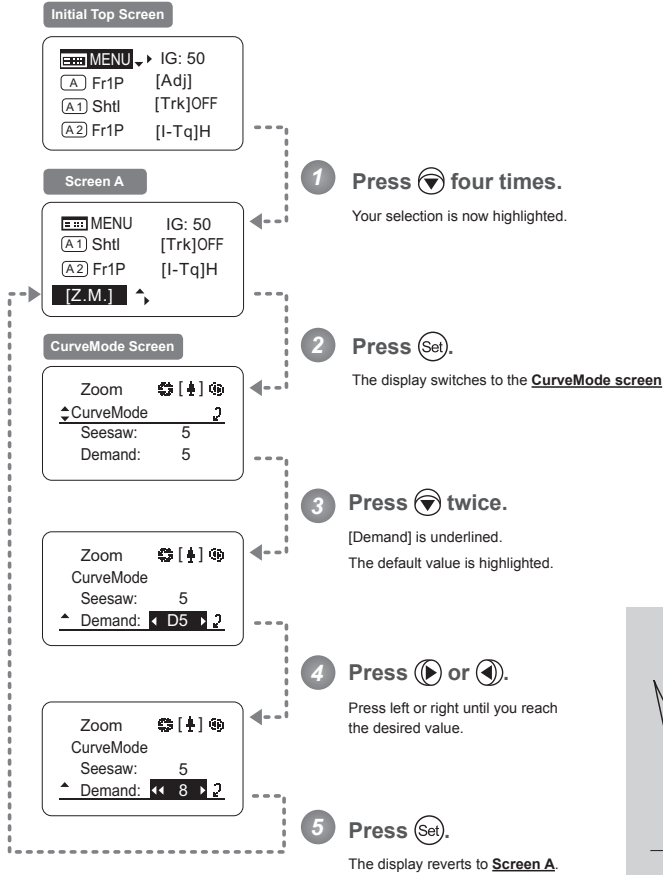
Options	1	2	3	4	(D) 5	6	7	8	9
---------	---	---	---	---	-------	---	---	---	---

(D): Default value



Specifying Analog Demand Responsiveness

Configure the responsiveness of zoom speed adjustment in response to pressing the analog demand thumb ring.  
(Note: Another screen is displayed when this setting is configured.)



Options	1	2	3	4	(D) 5	6	7	8	9
---------	---	---	---	---	-------	---	---	---	---

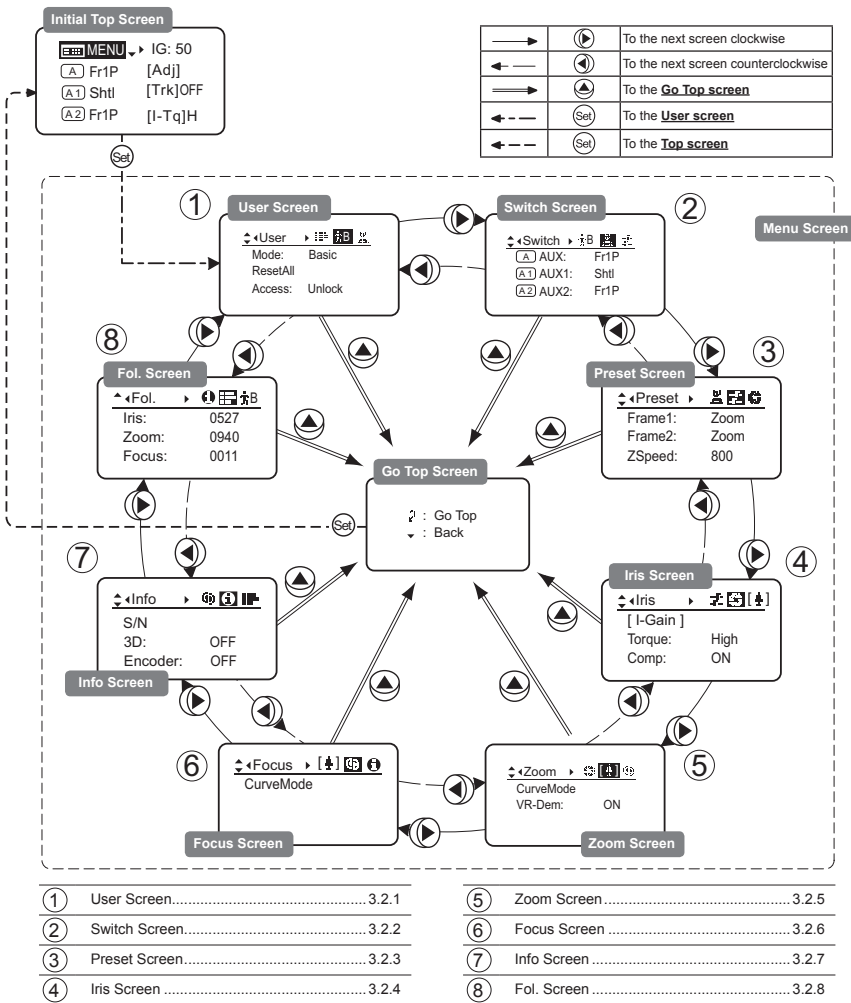
(D): Default value



## 3.2 Configuration from the Menu Screen

In Basic mode, you can view and configure 22 setting items and a “follow” screen with three setting items that have relative values from the **Menu screen**.  
Specifically, the **Menu screen** in Basic mode is organized into 8 screens by function: **User screen**, **Switch screen**, **Preset screen**, **Iris screen**, **Zoom screen**, **Focus screen**, **Info screen**, and **Fol. screen**.  
Select [MENU] on the **Top screen** and press the Set key to access the **User screen** initially. Press left or right to access the 7 other screens. (See the following figure.)

\*: There is no single **Menu screen**. Instead, these 8 screens are collectively referred to as the **Menu screen**.  
Setting items labeled **Top** next to the function title can also be configured from the **Top screen**.



## 3.2.1 User Screen Settings

User B is the user in Basic mode.

The following setting items can be configured on the User Screen.

Switching Modes  
Resetting Values  
Locking Functions

### User Screen in Basic Mode

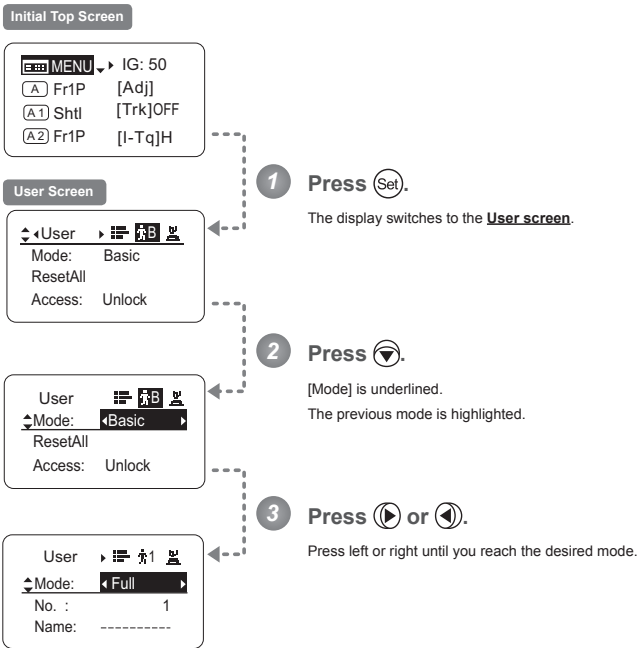
◀ User ▶	⚙️	👤
Mode:	Basic	
ResetAll		
Access:	Unlock	

Switching Modes

Switch to Full or Analog mode as needed.

Important

The new mode setting is retained even after the lens is turned off.



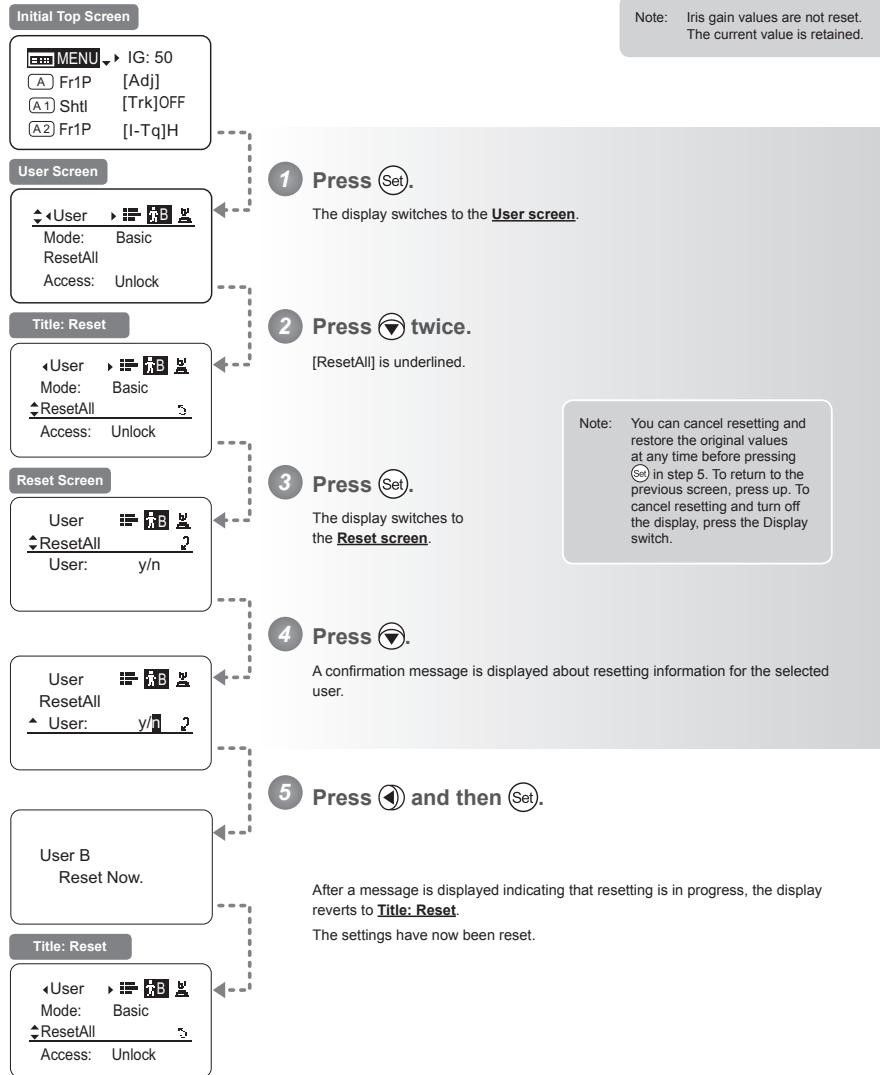
Options	<sup>(D)</sup> Basic	Full	Analog
Save Settings	Basic Mode	Full Mode	Analog Mode

(D): Default value



## Resetting Values

Reset a user's settings to default values as needed.



Locking Functions

To ensure that configured functions cannot easily be changed, you can lock the settings of certain functions.

Unlocked

◀User ▶

Mode: Basic

ResetAll

Access: Unlock

Locked

◀User ▶

Mode: Basic

ResetAll

Access: Lock

Note

In lock mode, only the following items can still be configured, and other settings are locked.

- Preset data (Shuttle shot position, Frame preset position, Preset speed)
- Auto iris gain setting

(1) Locking Settings

Initial Top Screen

MENU ▶ IG: 50

A Fr1P [Adj]

A1 Shtl [Trk]OFF

A2 Fr1P [I-Tq]H

User Screen

◀User ▶

Mode: Basic

ResetAll

Access: Unlock

User

Mode: Basic

ResetAll

▲Access: **Unlock** 2

1 Press (Set).

The display switches to the User screen.

2 Press ▼ three times.

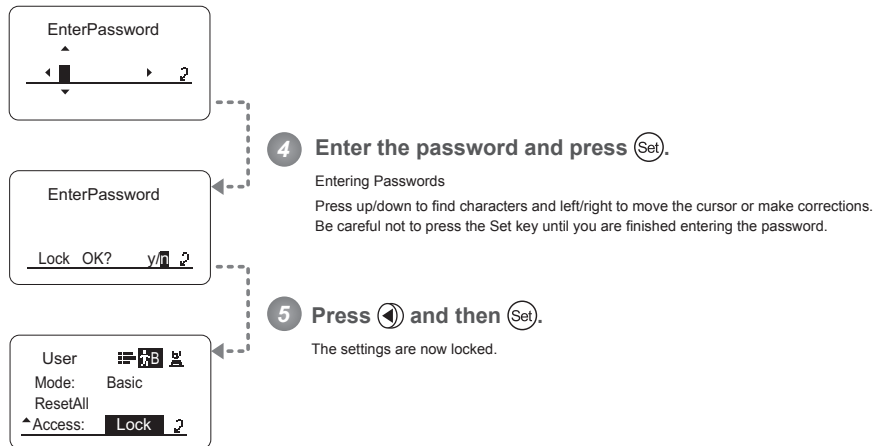
The previous or default value is highlighted.

3 Press (Set).

Continued on next page

### 3. Operation in Basic Mode

Continued from previous page



#### Note

##### Passwords

No master password is used on this model. The password you enter each time to lock settings is the password used to unlock them. For this reason, we recommend making a note of the password each time. If you forget the password, contact Canon or your dealer. Passwords can be blank or up to 8 digits.

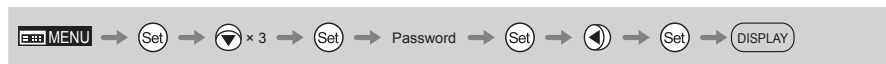
#### Characters supported in passwords

Options	(D) _-ABCDEFGHIJKLMN OPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789
Max. Digits	8

(D) : Default value  
 \_ : Space

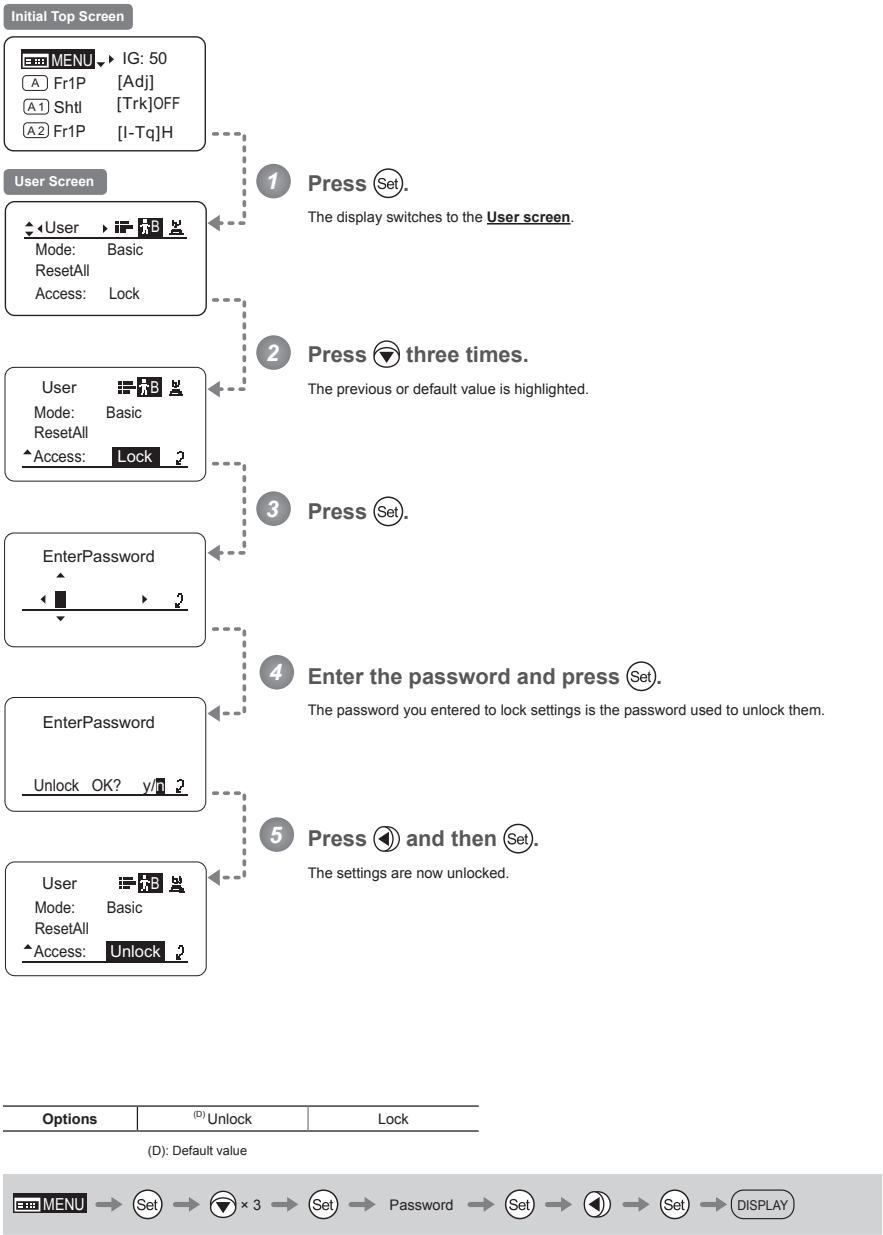
Options	(D) Unlock	Lock
---------	------------	------

(D): Default value





(2) Unlocking Settings



## 3.2.2 Switch Screen Settings

---

The following setting items can be configured on the Switch screen.

Assigning Functions to the AUX Switch **Top**

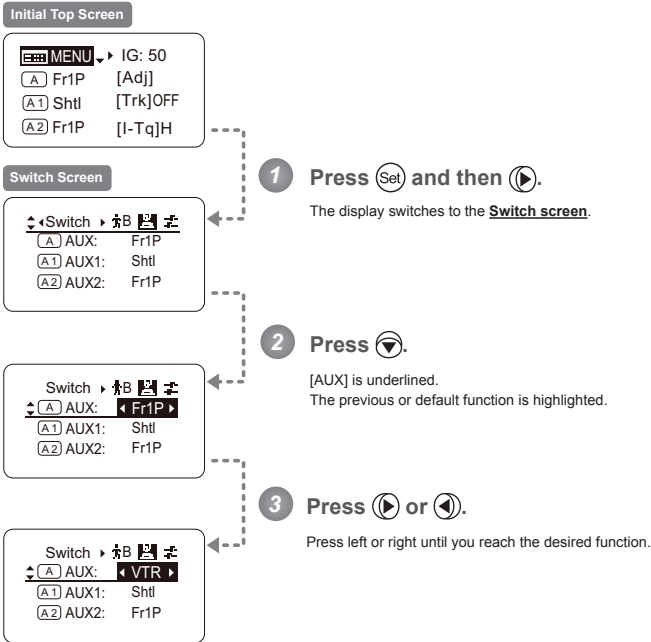
Assigning Functions to the AUX1 Switch **Top**

Assigning Functions to the AUX2 Switch **Top**

Items labeled **Top** can also be modified from the Top screen.

Assigning Functions to the AUX Switch Top

The AUX switch can be programmed to activate a function of your choice.



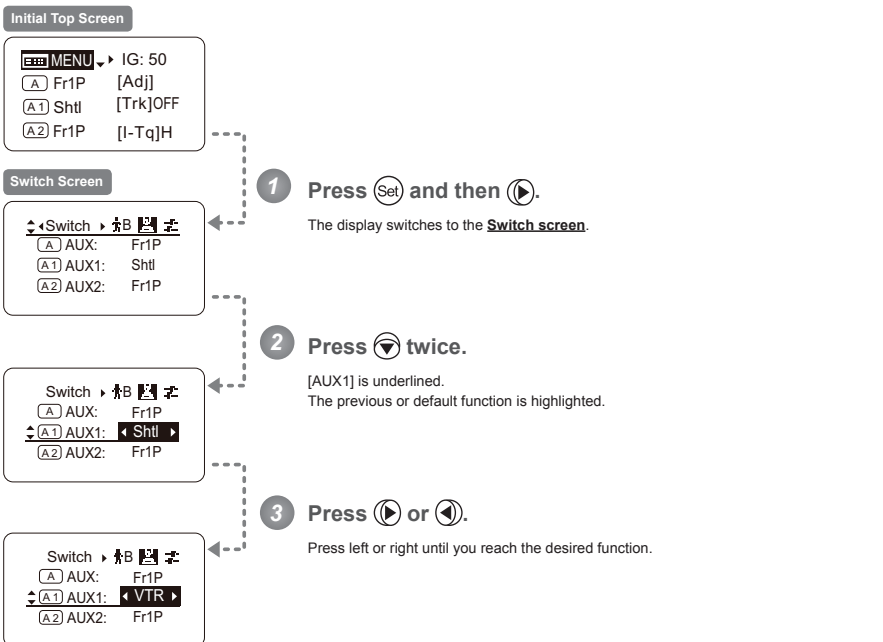
Options	<sup>(D)</sup> Fr1P	Fr1F	Fr2P	Fr2F	Sped	Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value



## Assigning Functions to the AUX1 Switch [Top](#)

The AUX1 switch for a zoom demand can be programmed to activate a function of your choice.



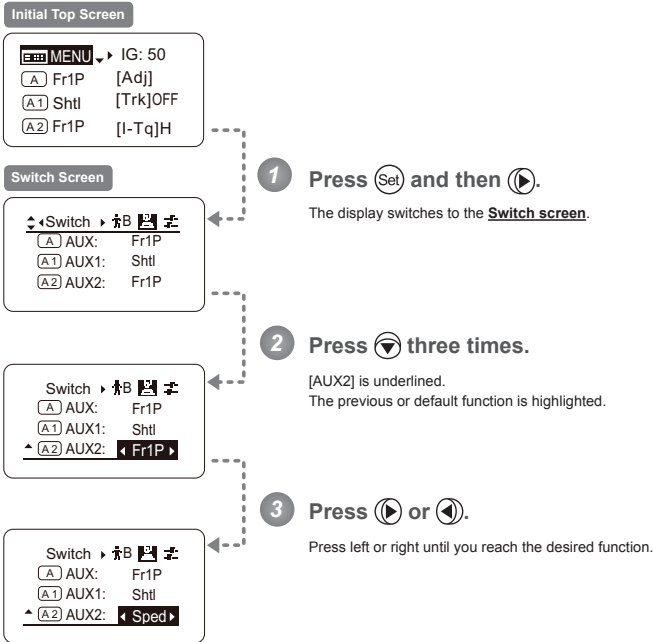
Options	Fr1P	Fr1F	Fr2P	Fr2F	Sped	<sup>(b)</sup> Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value



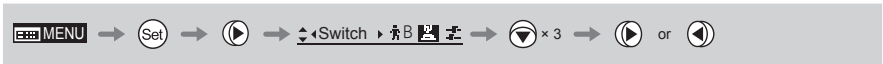
Assigning Functions to the AUX2 Switch Top

The AUX2 switch for a zoom demand can be programmed to activate a function of your choice.



Options	<sup>(D)</sup> Fr1P	Fr1F	Fr2P	Fr2F	Sped	Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value



### 3.2.3 Preset Screen Settings

---

The following setting items can be configured on the Preset screen.

Switching What Frame Preset 1 Controls

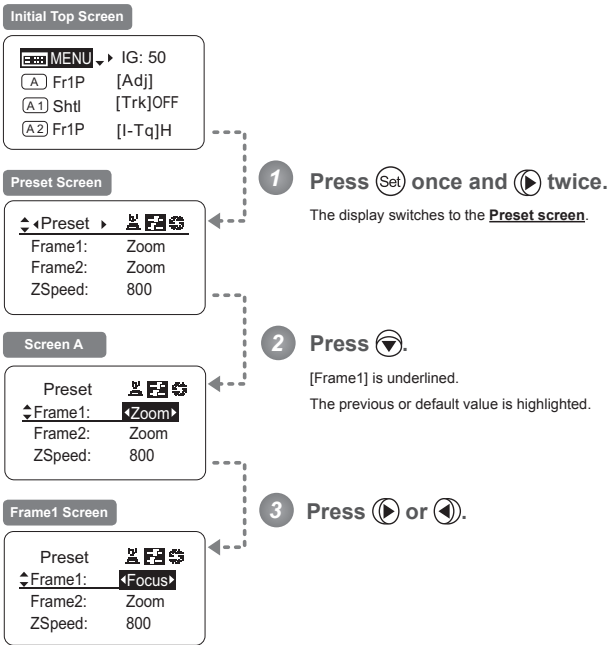
Switching What Frame Preset 2 Controls

Specifying the Preset Mode Zoom Speed

Switching What Frame Preset 1 Controls

Switch what frame preset 1 controls, as needed.

- Zoom : Move the zoom position to the position in memory
- Focus : Move the focus position to the position in memory
- Z+F : Move the zoom and focus position to the position in memory



Options	(D) Zoom	Focus	Z+F
Description	Control zooming	Control focusing	Control zooming and focusing

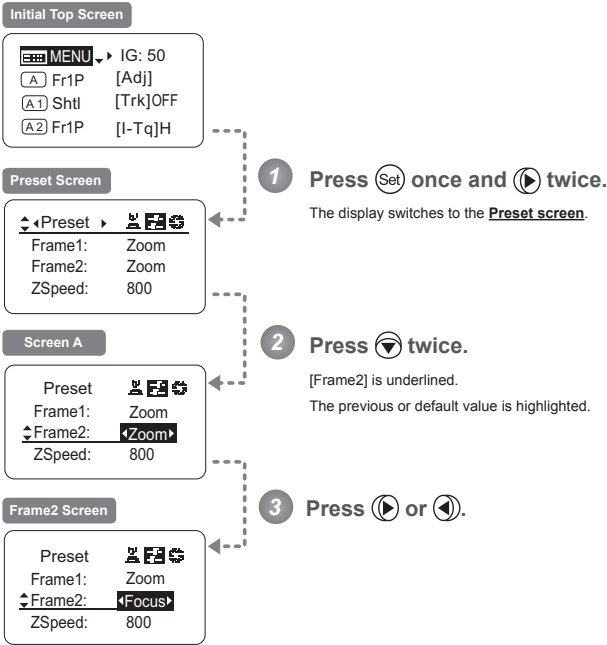
(D): Default value



Switching What Frame Preset 2 Controls

Switch what frame preset 2 controls, as needed.

- Zoom : Move the zoom position to the position in memory
- Focus : Move the focus position to the position in memory
- Z+F : Move the zoom and focus position to the position in memory



Options	(D) Zoom	Focus	Z+F
Description	Control zooming	Control focusing	Control zooming and focusing

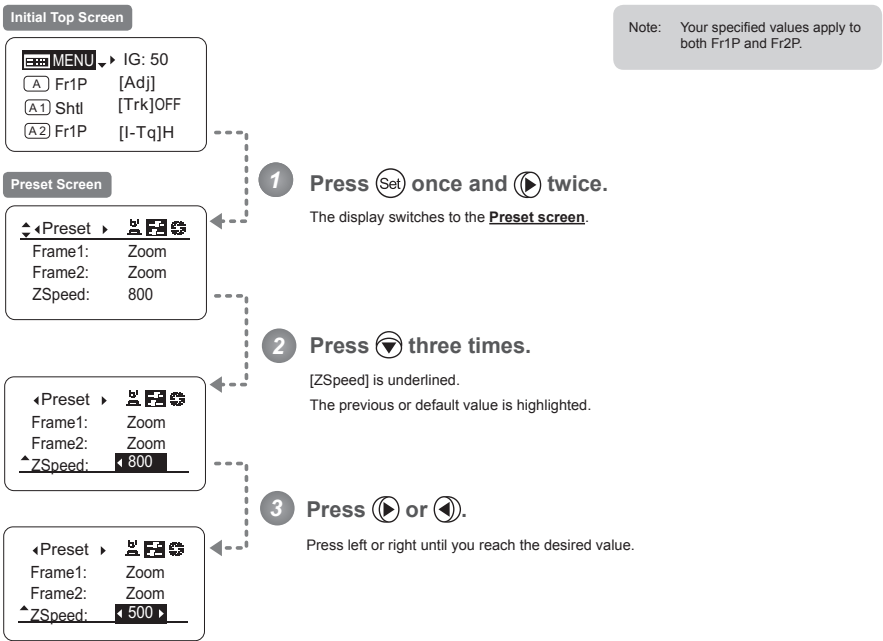
(D): Default value





Specifying the Preset Mode Zoom Speed

Configure the zoom speed from any position to the position in memory, as needed.  
To adjust the value, use either the Memo button (refer to the Lens Manual) or display operations.  
Regardless of the method of adjustment used, the most recent setting takes precedence.



Options	1	to	<sup>(D)</sup> 800
Description	Slowest		Fastest

(D): Default value



## 3.2.4 Iris Screen Settings

---

The following setting items can be configured on the Iris screen.

Specifying Iris Gain

(1) Specifying Auto Iris Gain

**Top**

(2) Specifying Remote Iris Gain

Specifying Iris Torque

**Top**

Iris Compensation ON/OFF

Iris Close Detection ON/OFF

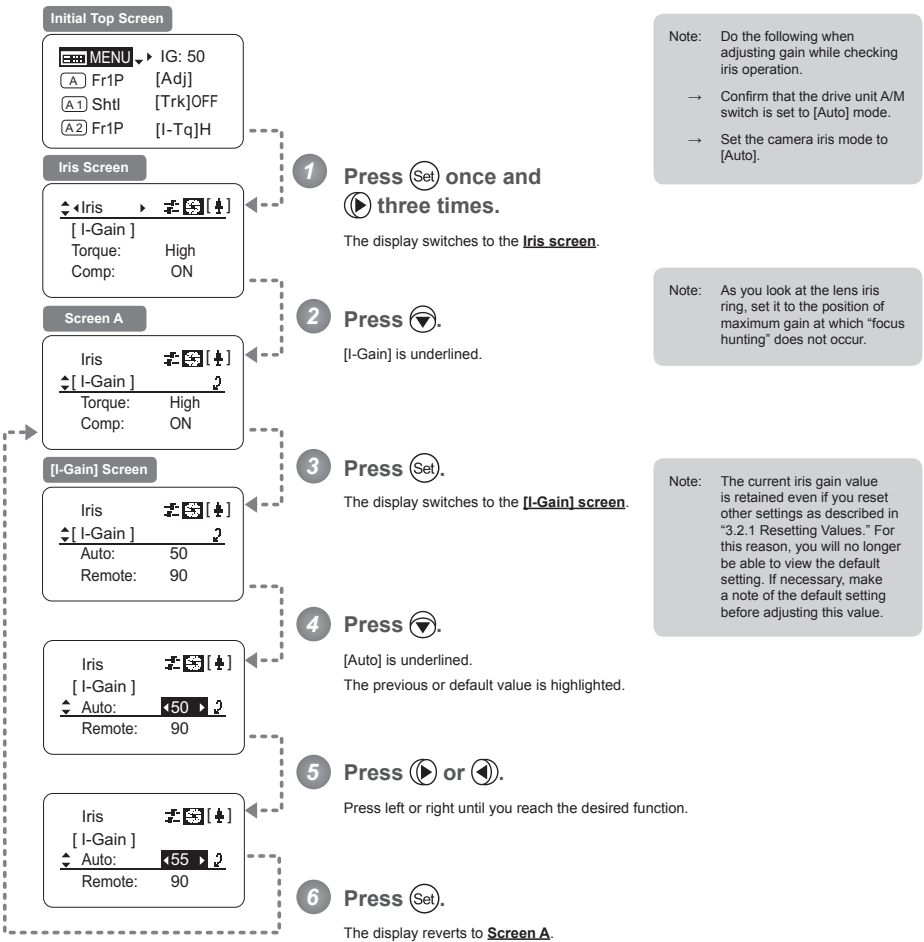
Focus Demand Iris Control ON/OFF

Items labeled **Top** can also be modified from the Top screen.

Specifying Iris Gain

(1) Specifying Auto Iris Gain Top

Although this value is factory-set, it can be adjusted as needed.  
To adjust the value, use either the auto iris gain adjustment trimmer (refer to the Lens Manual) or display operations.  
Regardless of the method of adjustment used, the most recent setting takes precedence.  
The same auto iris gain value applies to all users.

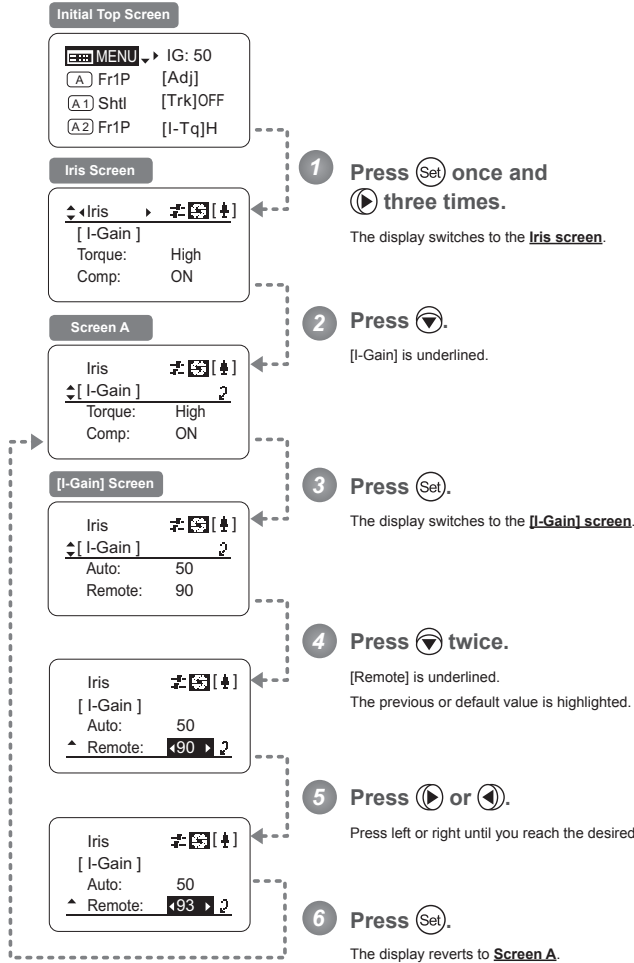


Options	01	to	99	Default: Varies depending on the factory-set value, but corresponds to the value determined with the iris gain adjustment trimmer.
Description	Minimum gain		Maximum gain	



## (2) Specifying Remote Iris Gain

Although this value is factory-set, it can be adjusted as needed.  
The same remote iris gain value applies to all users.



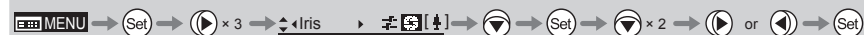
**Note:** Do the following when adjusting gain while checking iris operation.

- Confirm that the drive unit A/M switch is set to [Auto] mode.
- Set the camera iris mode to [Remote].

**Note:** The current iris gain value is retained even if you reset other settings as described in "3.2.1 Resetting Values." For this reason, you will no longer be able to view the default setting. If necessary, make a note of the default setting before adjusting this value.

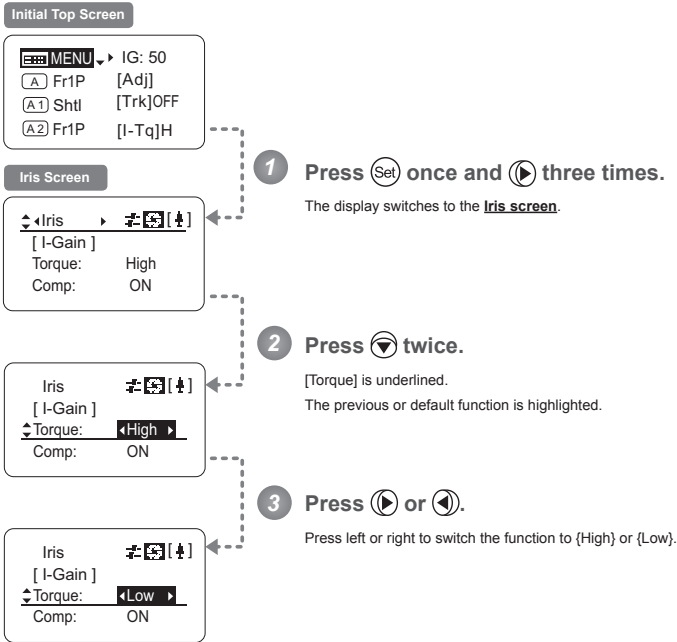
Options	01	to	99
Description	Minimum gain		Maximum gain

Default value: 90



Specifying Iris Torque Top

Specify the desired level of torque in manual control of the iris ring.



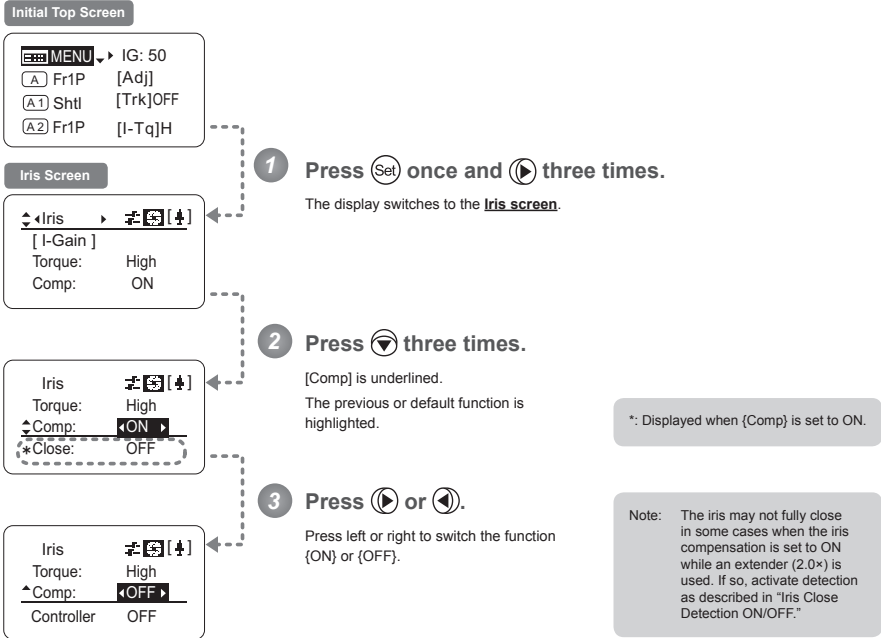
Options	<sup>(D)</sup> High	Low
Description	High torque	Low torque

(D): Default value



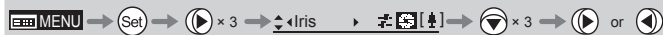
### Iris Compensation ON/OFF

The amount of light decreases when an extender (2.0×) is used. You can specify a function that compensates by opening the iris by an amount equivalent to f/2.



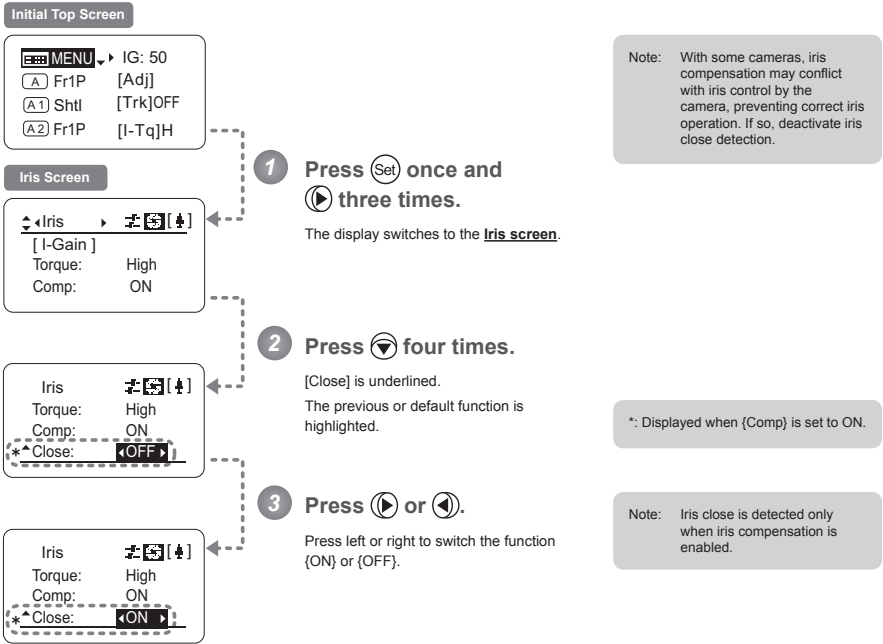
Options	<sup>(D)</sup> ON	OFF
Description	Iris compensation	No iris compensation

(D): Default value



Iris Close Detection ON/OFF

The iris cannot be fully closed when correction is active and an extender (2.0×) is used. As a countermeasure, you can specify a function to detect iris close and close the iris as needed.



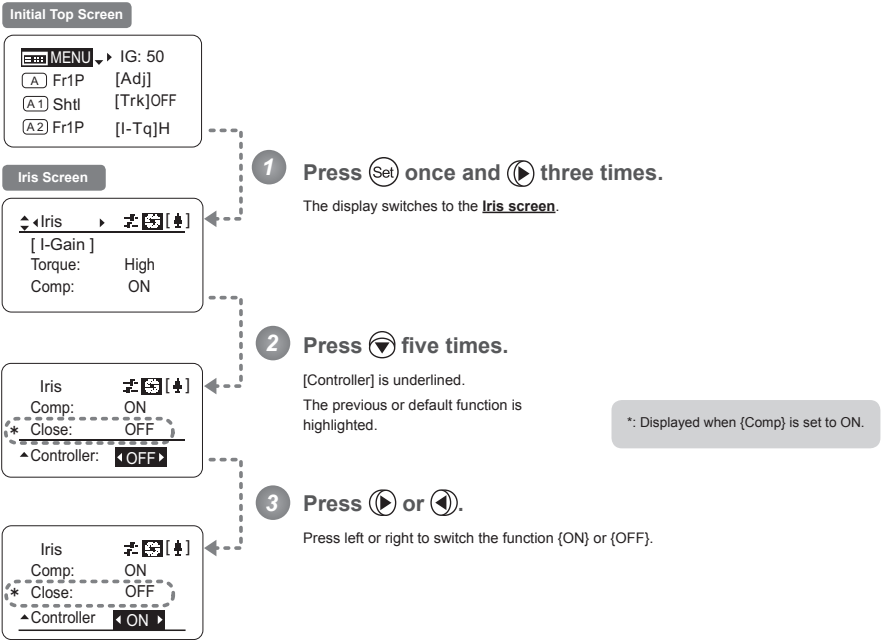
Options	<sup>(D)</sup> OFF	ON
Description	No close detection	Close detection

(D): Default value



Focus Demand Iris Control ON/OFF

Iris operations using a focus demand can be switched on or off.



Options	ON	<sup>(D)</sup> OFF
Description	Iris controlled with focus demand	Iris not controlled with focus demand

(D): Default value





### 3.2.5 Zoom Screen Settings

The following setting items can be configured on the Zoom screen.

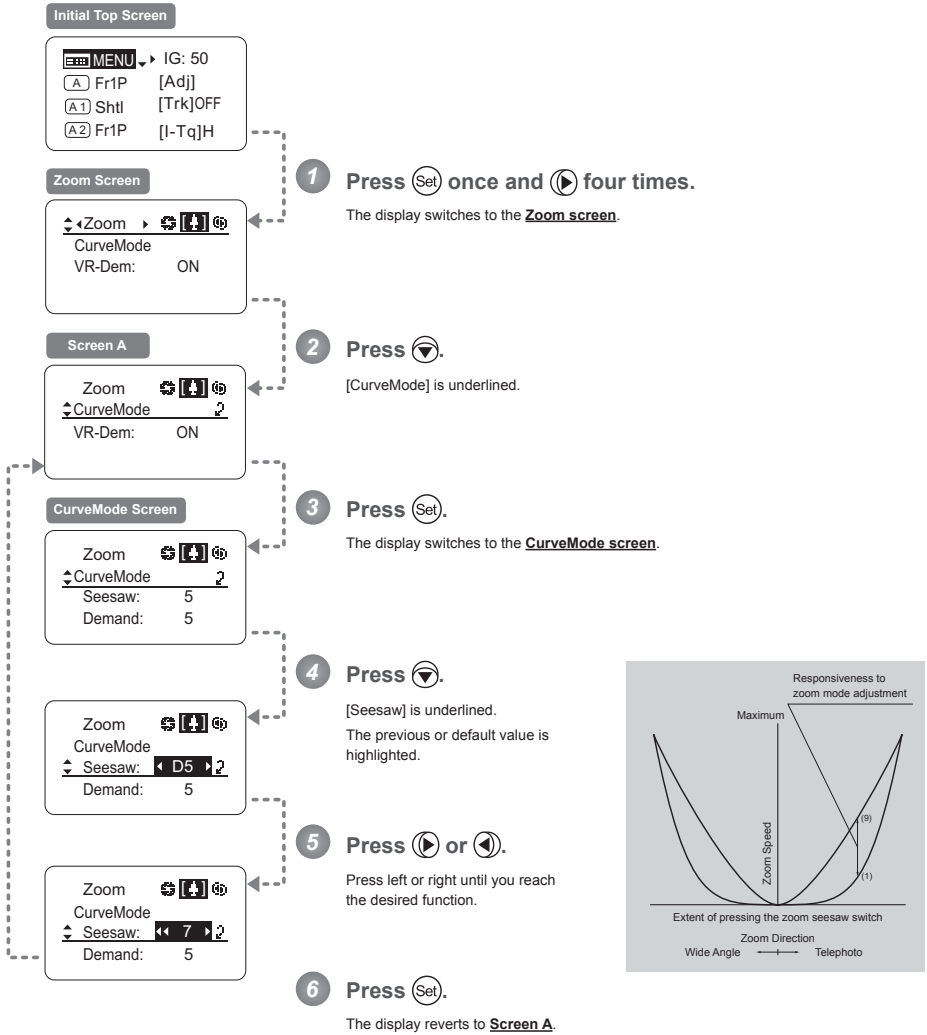
Specifying Seesaw Switch Responsiveness

Specifying Analog Demand Responsiveness

Demand-Based Zoom Speed Adjustment ON/OFF

Specifying Seesaw Switch Responsiveness

Configure the responsiveness of zoom speed adjustment in response to pressing the zoom seesaw switch.  
(Note: Another screen is displayed when this setting is configured.)



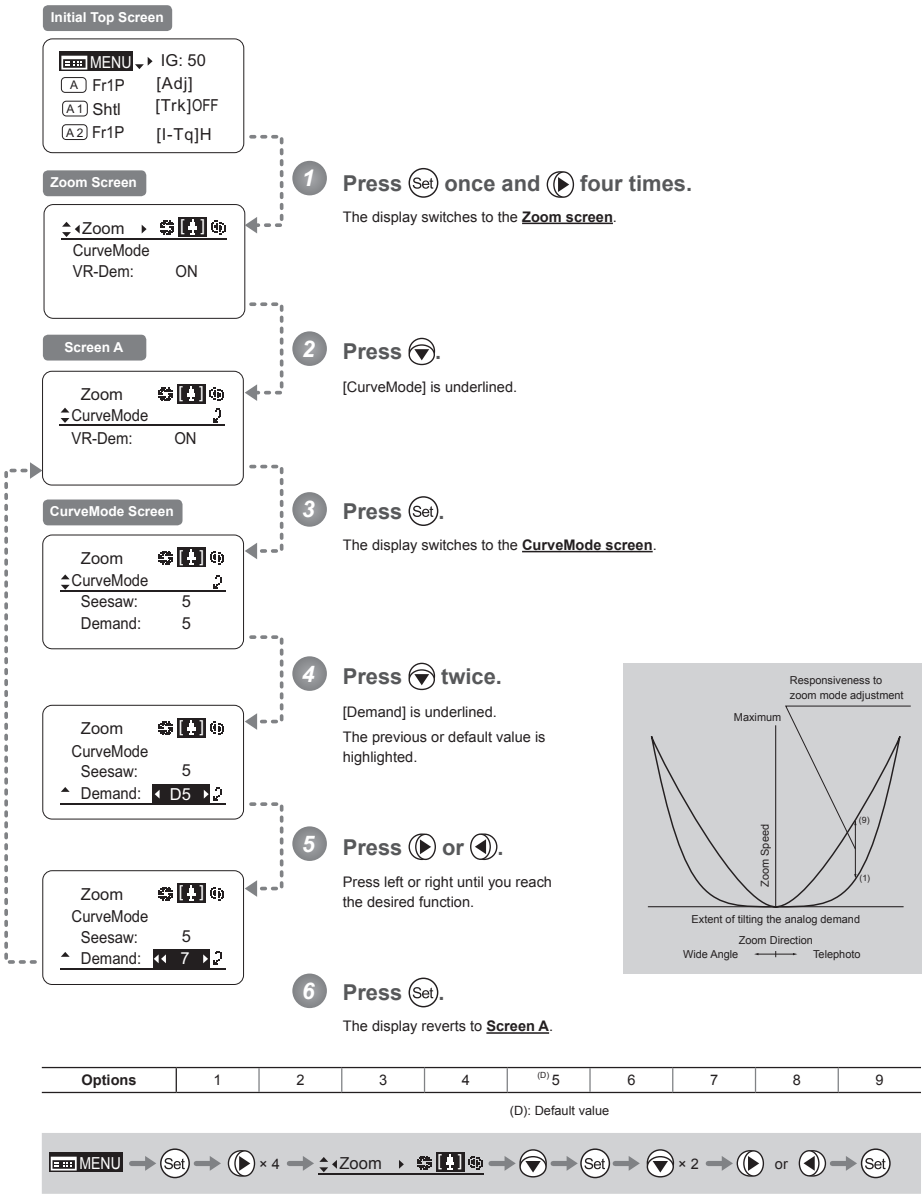
Options	1	2	3	4	(D) 5	6	7	8	9
---------	---	---	---	---	-------	---	---	---	---

(D): Default value



Specifying Analog Demand Responsiveness

Configure the responsiveness of zoom speed adjustment in response to pressing the analog demand thumb ring.  
(Note: Another screen is displayed when this setting is configured.)



1 Press (Set) once and (▶) four times.

The display switches to the Zoom screen.

2 Press (▼).

[CurveMode] is underlined.

3 Press (Set).

The display switches to the CurveMode screen.

4 Press (▼) twice.

[Demand] is underlined.  
The previous or default value is highlighted.

5 Press (▶) or (◀).

Press left or right until you reach the desired function.

6 Press (Set).

The display reverts to Screen A.

Responsiveness to zoom mode adjustment

Maximum

Zoom Speed

(9)

(1)

Extent of tilting the analog demand

Zoom Direction

Wide Angle ← → Telephoto

(D): Default value

ERR MENU

→ (Set)

→ (▶) × 4

→ ◀Zoom ▶

→ (▼)

→ (Set)

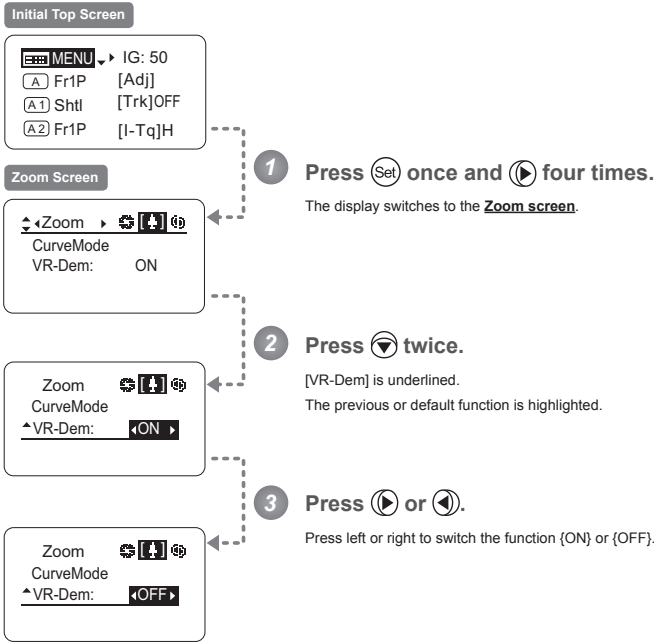
→ (▼) × 2

→ (▶) or (◀)

→ (Set)

Demand-Based Zoom Speed Adjustment ON/OFF

Enable or disable adjustment of the maximum drive unit zoom speed based on the zoom demand.



Options	<sup>(D)</sup> ON	OFF
Description	Enabled	Disabled

(D): Default value



## 3.2.6 Focus Screen Settings

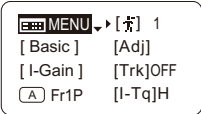
The following setting items can be configured on the **Focus screen**.

Specifying Focus Demand Responsiveness

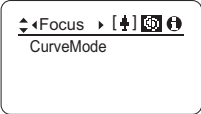
### Specifying Focus Demand Responsiveness

Specify responsiveness in analog focus demand operations as needed.

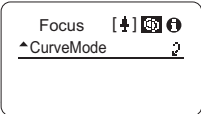
Initial Top Screen



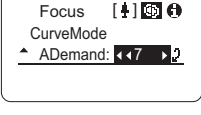
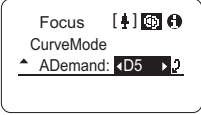
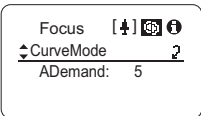
Focus Screen



Screen A



CurveMode Screen



1 Press **Set** once and **Left Arrow** three times.

The display switches to the Focus screen.

2 Press **Down Arrow**.

[CurveMode] is underlined.

3 Press **Set**.

The display switches to the CurveMode screen.

4 Press **Down Arrow**.

[ADemand] is underlined.  
The previous or default value is highlighted.

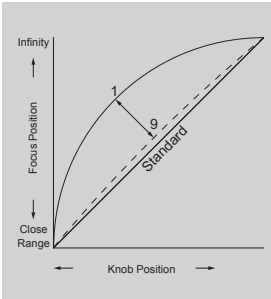
5 Press **Right Arrow** or **Left Arrow**.

Press left or right until you reach the desired function.

6 Press **Set**.

The display reverts to Screen A.

Note: These settings take effect when the curve selection switch on the focus demand is set toward FAR.



Options	1	to	9
Description	Large curve		Small curve

Default value: 5



### 3.2.7 Info Screen Settings

The following setting items can be configured on the **Info screen**.

Checking Serial Numbers

Specifying the 3D Function (For information on specifying the 3D function, see the instruction manual of the BC-100 3D cable.)

Specifying Encoder Output

Serial Communication with Camera ON/OFF

Specifying the Input Route for Command Signals from the Camera

Specifying the  $\frac{1}{8}$  Technology Distance Unit

Checking Lens–Drive Unit Communication

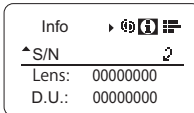
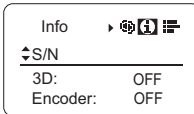
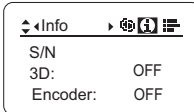
## Checking Serial Numbers

Check lens and drive unit serial numbers as needed.

### Initial Top Screen



### Info Screen



1 Press **Set** once and **Left Arrow** twice.

The display switches to the **Info screen**.

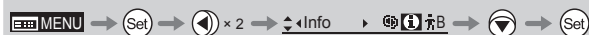
2 Press **Down Arrow**.

[S/N] is underlined.

3 Press **Set**.

The lens and drive unit serial numbers are displayed.

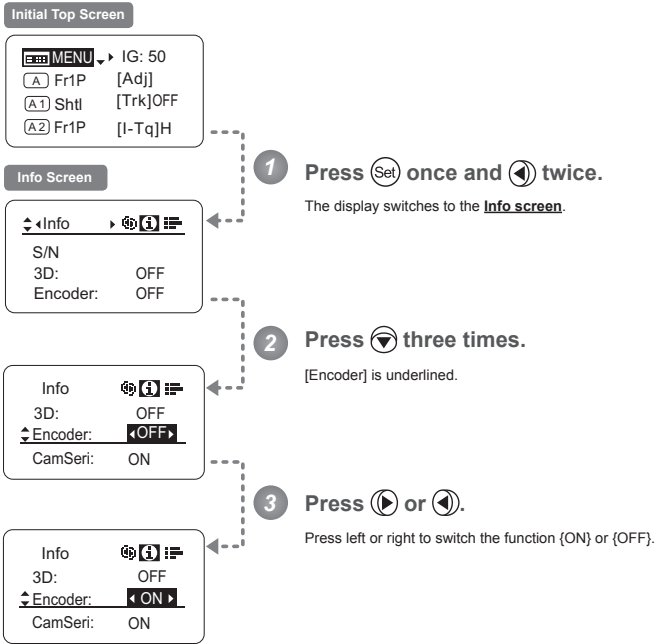
Note: The serial number of the lens is not displayed when no power is being supplied to the lens from the camera mount.





Specifying Encoder Output

Enable or disable encoder output as needed. Enabling output enables virtual connector output. For details, contact Canon or your dealer.



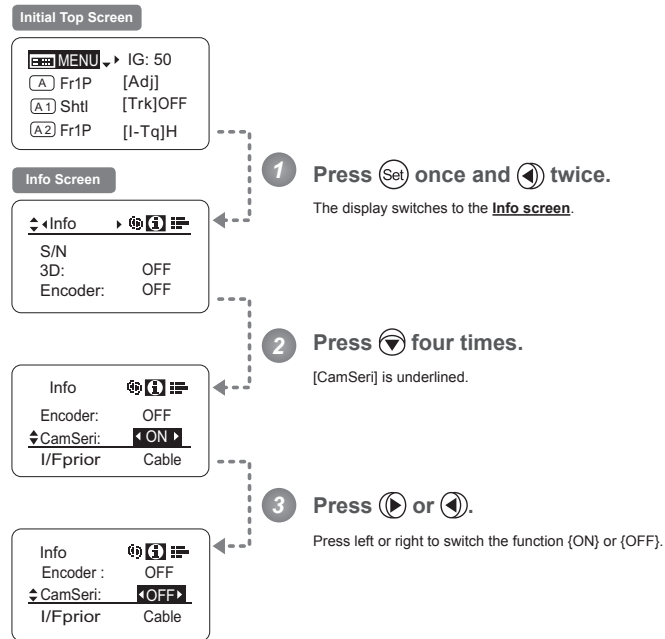
Options	<sup>(D)</sup> OFF	ON
Description	Output disabled	Output enabled

(D): Default value



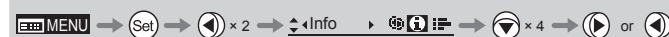
## Serial Communication with Camera ON/OFF

Two types of camera-lens interfaces are available: analog control or control via serial communication. This setting enables you to switch between auto control detection and analog control. By default, this setting is ON, enabling auto detection of whether serial or analog control is used. To restrict the interface to analog control, set it to OFF.



Options	<sup>(D)</sup> ON	OFF
Description	Serial communication with the camera Enabled	Serial communication with the camera Disabled

(D): Default value

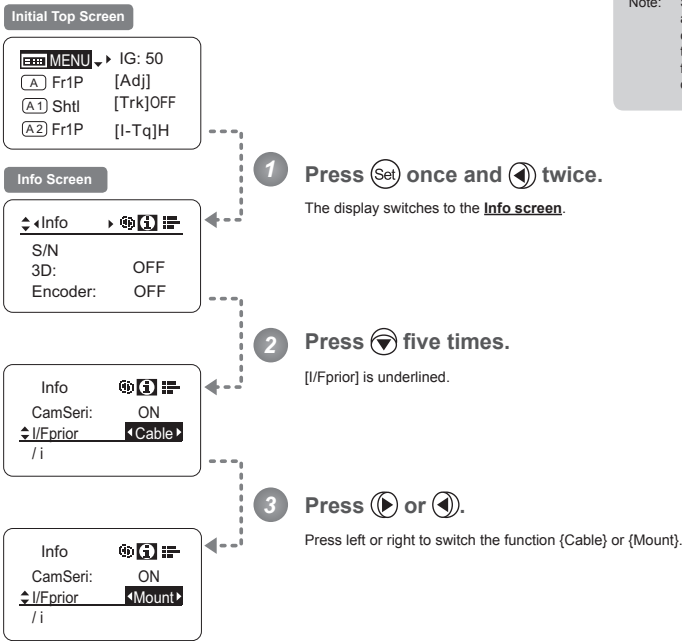


Specifying the Input Route for Command Signals from the Camera

There are two input routes for command signals from the camera: via the mount and via the 12-pin cable. This setting specifies the input route for command signals from the camera. The default setting is "Mount," and in this case command signals received via the mount are given priority.

However, the command signals via the 12-pin cable are received automatically if no command signals are input via the mount. When the "Cable" setting is selected, only command signals received via the 12-pin cable are used.

Note: Set {Mount} when using the auto focus function of the camera. (For the camera models that support the auto focus function, contact your Canon dealer.)



Options	(D) Mount	Cable
Description	Via mount	Via 12-pin cable

(D): Default value



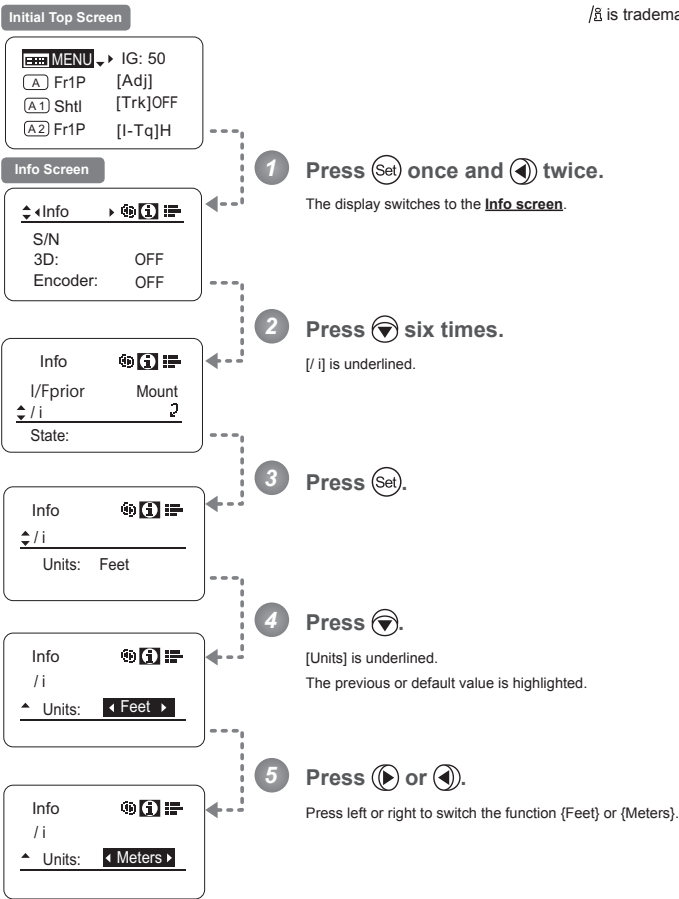
Specifying the  $\frac{1}{i}$  Technology Distance Unit

When  $\frac{1}{i}$  Technology is used (only when a PL mount camera is attached), it is possible to specify the initial setting for the unit (feet or meters) used to express distances in information sent to the camera. Accordingly, information sent for the actual subject distance, hyperfocal distance, subject distance at close range and infinity, and entrance pupil position is expressed in the specified unit.

Note

Any distance unit set on the camera takes precedence.

$\frac{1}{i}$  is trademark of Cooke Optics Limited.



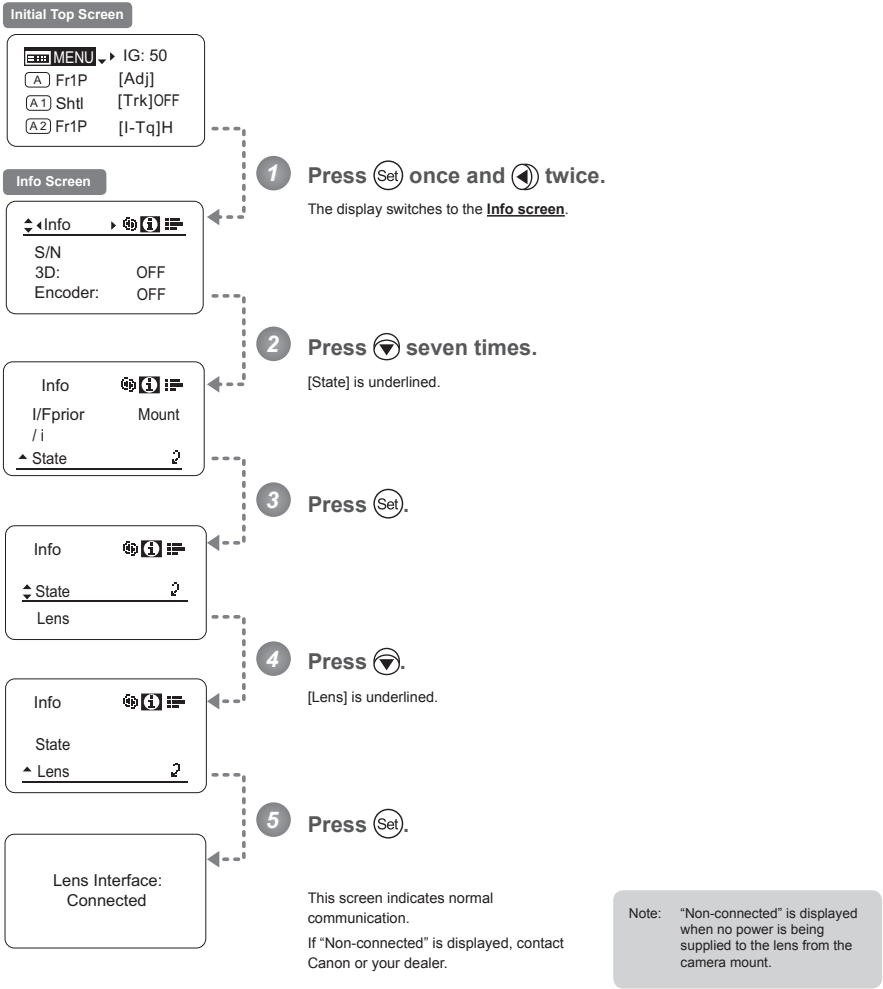
Options	<sup>(D)</sup> Feet	Meters
Description	Expressed in feet	Expressed in meters

(D): Default value



Checking Lens–Drive Unit Communication

View the status of communication between the lens and drive unit as follows.



### 3.2.8 Fol. Screen Settings

---

The following setting items can be configured on the Fol. screen.

Viewing Lens Follow Settings (Iris, Zoom, Focus)

Viewing Lens Follow Settings (Iris, Zoom, Focus)

Indicates values in the full range of mechanical iris, zoom, and focus operations, expressed as relative values in the range of 0–1000.

Initial Top Screen

MENU

IG: 50

Fr1P [Adj]

Shtl [Trk]OFF

Fr1P [I-Tq]H

Fol. Screen

Fol.

Iris: 1000

Zoom: 0000

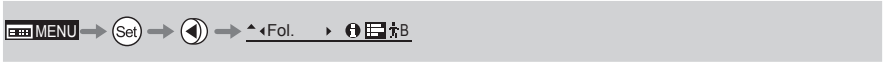
Focus: 0000

1

Press **Set** and then **Left Arrow**.

The display switches to the **Fol. screen**, showing relative follow iris, zoom, and focus values.

Note: As long as the **Fol. screen** is shown, the display will not turn off automatically after 2 minutes if left idle. To turn off the display, press the Display switch.



### 3.3 List of Settings

		Default Value	Options	Page
Top				
	MENU		To *1 on the next page	
	IG	50	01-99	
	[A]	Fr1P	VTR / RET / Fr1P / Fr1F / Fr2P / Fr2F / Sped / Shtl / NON	
	[Adj]	n	y / n	
	[A 1]	Shtl	VTR / RET / Fr1P / Fr1F / Fr2P / Fr2F / Sped / Shtl / NON	
	[Trk]	OFF	OFF / ON	
	[A 2]	Fr1P	VTR / RET / Fr1P / Fr1F / Fr2P / Fr2F / Sped / Shtl / NON	
	[I-Tq]	H	H / L	
	[Z.M.]			
			To *2 on the next page	
Escape Operation	Jump to user 0 setting status	Hold down both the Display switch and Set key for at least 2 seconds.		







# 4

## Operation in Full Mode

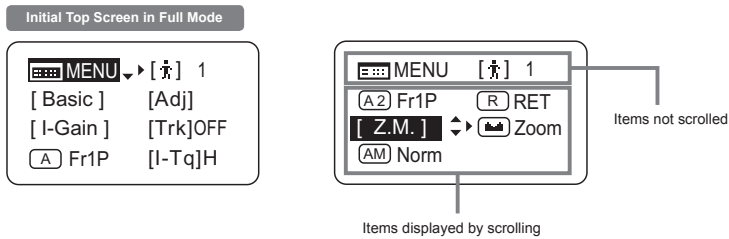
---

## 4. Operation in Full Mode

### 4.1 Configuration from the Top Screen

To access the **Top screen**, press the Display switch.

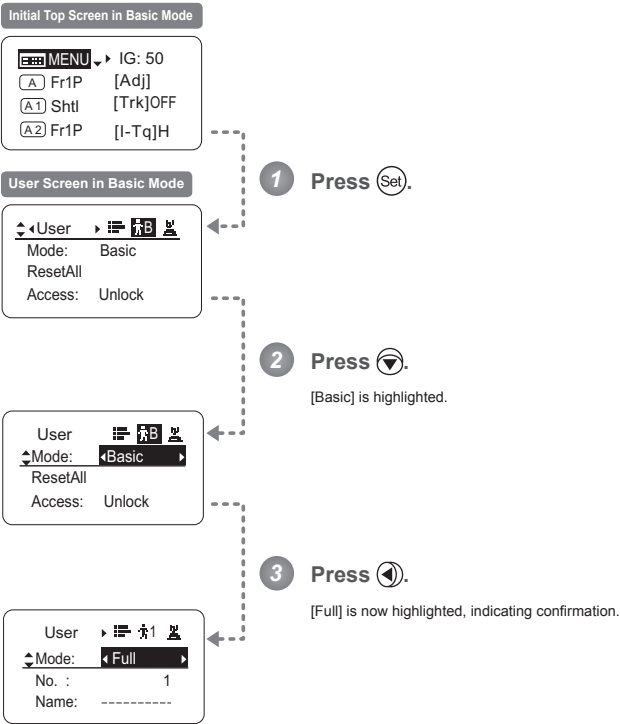
A total of 15 items can be configured on the **Top screen** in Full mode. The first screen displayed is referred to as the **Initial Top screen**. Status of some items can be checked simply by accessing this screen.



### 4.1.1 Selecting Full Mode

Basic mode is the default mode, but Full mode can be accessed as follows.

#### Switching from Basic to Full Mode

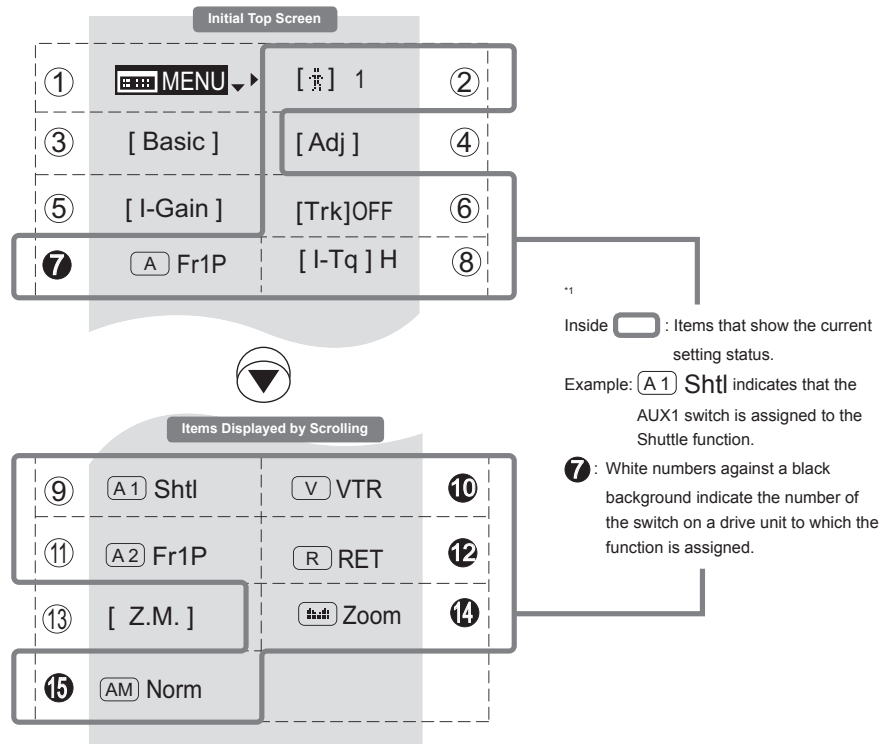


## 4.1.2 Top Screen

A total of 15 items can be configured on the **Top screen** in Full mode, and 8 items are shown on the **Initial Top screen**. The other 7 can be accessed by pressing down to scroll down the screen.

(See the following figure.)

Status of some items can be checked simply by accessing this screen. (Shown in the figure below.)\*



## ① **Menu screen**

See "4.2 Configuration from the Menu Screen."

## ② **User**

Adjust settings for up to ten users (0–9), to distinguish settings by user. Switch users from this screen, either to use or change the settings.

See "4.1.3 Switching Users."

## ③ [Basic] **Switching to Basic Mode**

Switch to Basic mode as needed.

See "4.1.4 Switching to Basic Mode."

## ④ [Adj] **Mechanical end auto-adjustment**

Perform automatic adjustment of the mechanical end in zoom, focus, and iris operations on the lens and drive unit.

See "4.1.5 Auto-Adjusting the Mechanical End."

## ⑤ [I-Gain] **Iris gain**

Adjust the auto iris gain or the remote iris gain value as needed.

See "4.1.6 Specifying Iris Gain."

## ⑥ [Trk] **Zoom tracking**

Switch to ON when using zoom tracking.

See "4.1.7 Zoom Tracking ON/OFF."

## ⑦ **AUX switch**

By default, the AUX switch for a drive unit is assigned to the "Frame Preset 1" function, but it can be reassigned as needed.

See "4.1.8 Assigning Functions to the AUX Switch."

## ⑧ [I-Tq] **Iris torque**

Adjust the level of torque in manual control of the iris ring as needed.

See "4.1.9 Specifying Iris Torque."

## ⑨ **AUX1 switch**

By default, the AUX1 switch for a zoom demand is assigned to the {Shuttle} function, but it can be reassigned as needed.

See "4.1.10 Assigning Functions to the AUX1 Switch."

## ⑩ **VTR switch**

By default, the VTR switch for a drive unit is assigned to the {VTR} function, but it can be reassigned as needed.

See "4.1.11 Assigning Functions to the VTR Switch."

## ⑪ **AUX2 switch**

By default, the AUX2 switch for a zoom demand is assigned to the {Frame Preset 1} function, but it can be reassigned as needed.

See "4.1.12 Assigning Functions to the AUX2 Switch."

## ⑫ **RET switch**

By default, the RET switch for a drive unit is assigned to the {Return} function, but it can be reassigned as needed.

See "4.1.13 Assigning Functions to the RET Switch."

## ⑬ [Z.M.] **Zoom curve mode**

Adjust zoom speed in response to pressing the zoom seesaw switch or tilting the analog demand thumb ring.

See "4.1.14 Specifying Zoom Curve Mode."

## ⑭ **Seesaw**

Enable iris control using the zoom seesaw switch.

See "4.1.15 Assigning Functions to the Seesaw."

## ⑮ **Iris A/M switch**

Adjust movement of the iris A/M switch on the drive unit.

See "4.1.16 Specifying Iris A/M Switch."

4.1.3 Switching Users [ 人 ]

Settings for users 0–9 can be configured in Full mode.

User 1–9

Configure advanced settings for each user needed. Settings for the users can then be saved.

User 0

User 0 is the default user. Thus, for this user you can adjust settings temporarily but not save them. Setting information is cleared when you switch to users 1–9 or turn the lens off. User 0 is used if you perform an escape operation. For details, see “4.1.17 Escape Operation.” Selecting user 0 restores the default settings, except for the auto and remote iris gain values and encoder output setting.

Switch to the desired user (0–9) from the **Top screen**.  
Configure advanced settings for these users from the **Menu screen**. See “4.2 Configuration from the Menu Screen.”

Initial Top Screen

MENU ▶ [ 人 ] 1

[ Basic ] [ Adj ]

[ I-Gain ] [ Trk ] OFF

[ A ] Fr1P [ I-Tq ] H

1 Press (▶).

The previous or default value is highlighted.

MENU ◀ [ 人 ] 1

[ Basic ] [ Adj ]

[ I-Gain ] [ Trk ] OFF

[ A ] Fr1P [ I-Tq ] H

2 Press (Set).

The display starts blinking.

[ 人 ] 1

3 Press (▶) or (◀).

Press left or right until you reach the desired value.

[ 人 ] 2

4 Press (Set).

The display changes from blinking to highlighted, indicating confirmation.

MENU ◀ [ 人 ] 2

[ Basic ] [ Adj ]

[ I-Gain ] [ Trk ] OFF

[ A ] Fr1P [ I-Tq ] H

Options	0	(D) 1	2	3	4	5	6	7	8	9
Save Settings	Not supported Although settings cannot be saved, they can be changed temporarily. Switching users or turning the lens off will restore default values.	Can be saved for each user								

(D): Default value

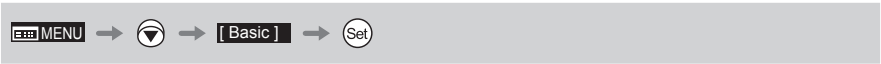
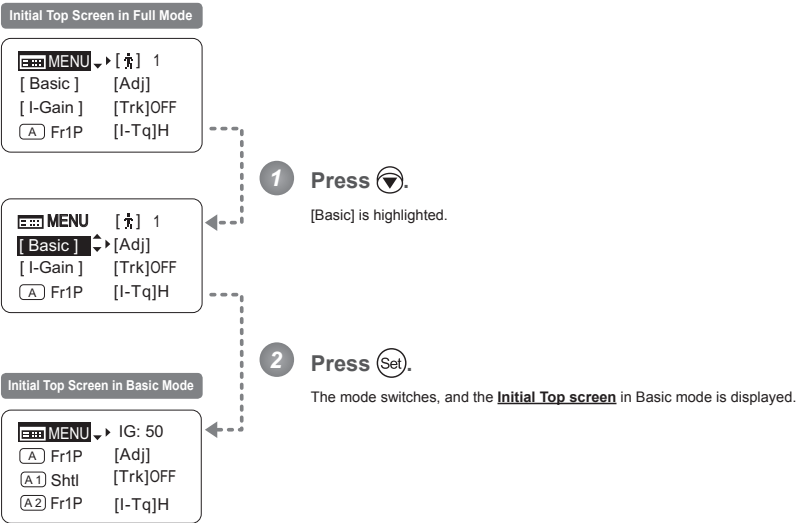
MENU → (▶) → [ 人 ] 1 → (Set) → (▶) or (◀) → (Set)



### 4.1.4 Switching to Basic Mode [Basic]

Switch to Basic mode from the **Top screen** as needed.

#### Switching from Full to Basic Mode



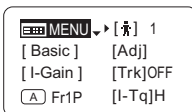
## 4.1.5 Auto-Adjusting the Mechanical End [Adj]

Perform automatic adjustment of the mechanical end in zoom, focus, and iris operations on the lens and drive unit.

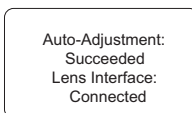
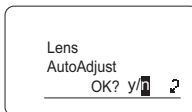
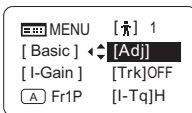
### Note

If "Auto-Adjustment: Error/Lens Interface: Non-Connected" is displayed after adjustment, contact Canon or your dealer.

#### Initial Top Screen



#### Screen A



1 Press and then .

Your selection is now highlighted.

2 Press .

The display switches to the Auto-Adjustment screen.

3 Press and then .

Adjustment now begins.  
During adjustment, the screen blinks.

After this, adjustment is finished.

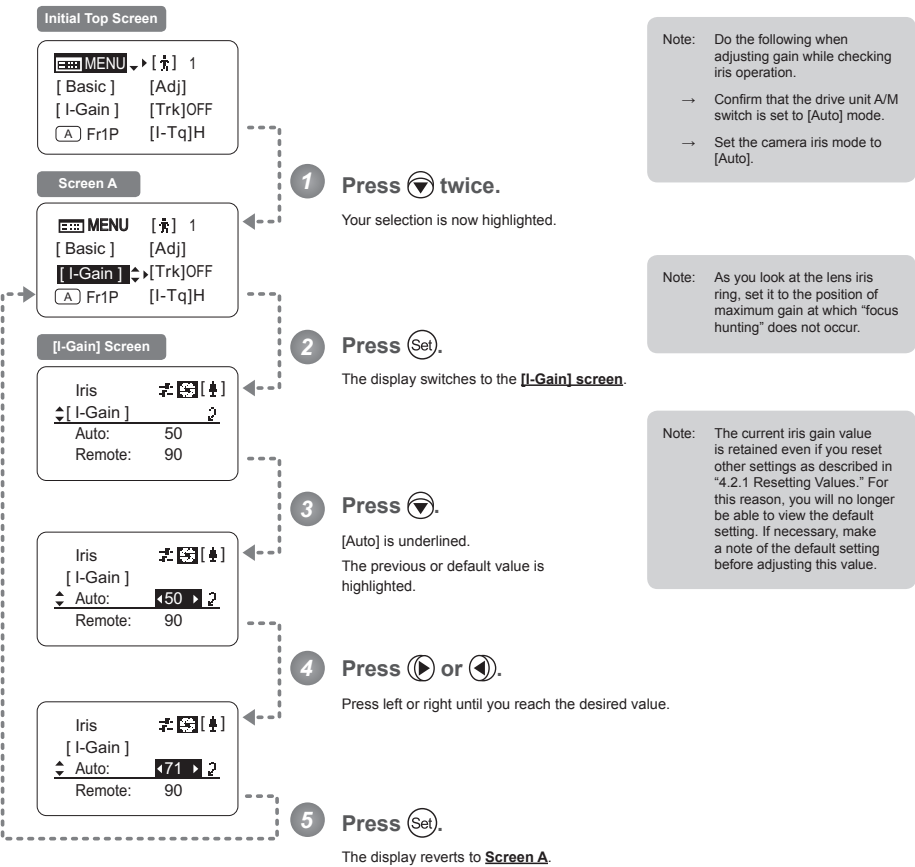
Press after adjustment to return to Screen A.



4.1.6 Specifying Iris Gain [I-Gain]

Specifying Auto Iris Gain

Although this value is factory-set, it can be adjusted as needed.  
To adjust the value, use either the auto iris gain adjustment trimmer (refer to the Lens Manual) or display operations.  
Regardless of the method of adjustment used, the most recent setting takes precedence.  
The same auto iris gain value applies to all users, regardless of the current user. Thus, there is no need to switch users in advance. Unlike most other setting adjustments, any changes to this setting also apply to user 0.



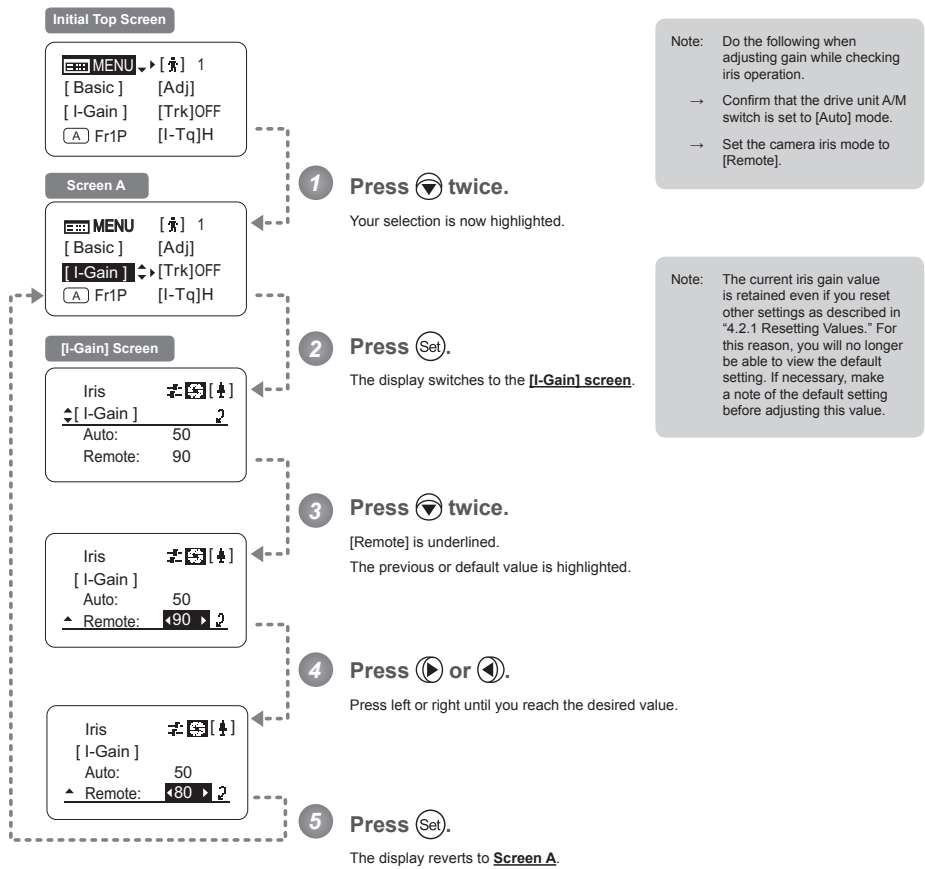
Options	01	to	99
Description	Minimum gain Maximum gain		

Default: Varies depending on the factory-set value, but corresponds to the value determined with the iris gain adjustment trimmer.



Specifying Remote Iris Gain

Although this value is factory-set, it can be adjusted as needed.  
The same remote iris gain value applies to all users, regardless of the current user. Thus, there is no need to switch users in advance. Unlike most other setting adjustments, any changes to this setting also apply to user 0.



Options	01	to	99
Description	Minimum gain		Maximum gain

Default value: 90

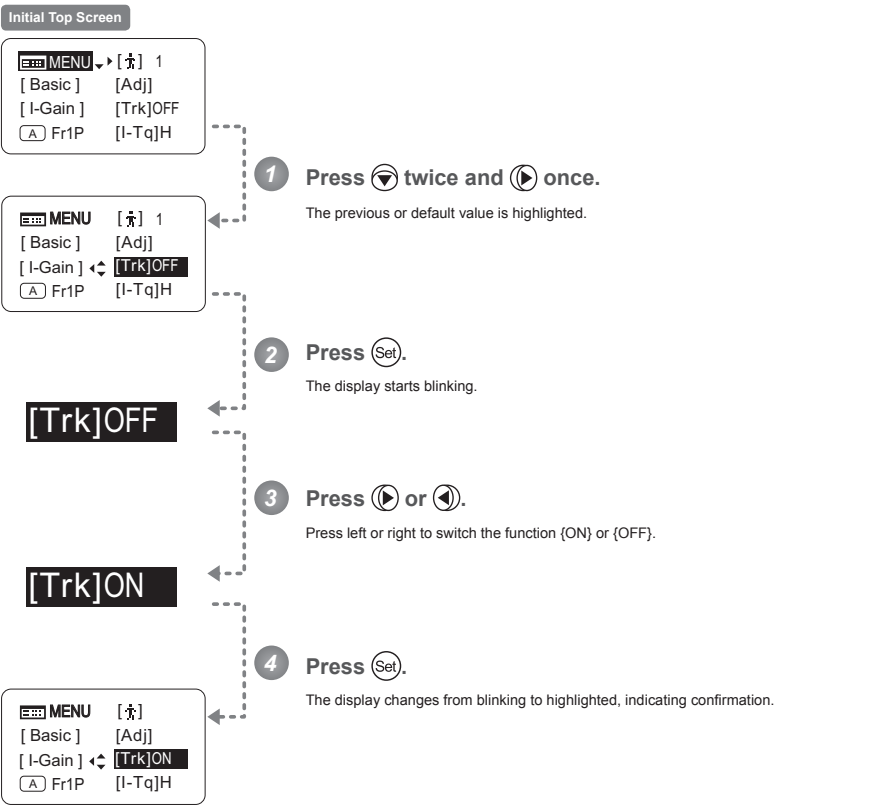


4.1.7 Zoom Tracking ON/OFF [Trk]

Activate or deactivate zoom tracking as needed.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



### 4.1.8 Assigning Functions to the AUX Switch

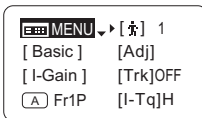
A

Assign your desired functions to the AUX switch.

#### Important

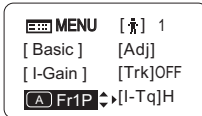
First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

#### Initial Top Screen



1 Press three times.

The previous or default function is highlighted.



2 Press .

The display starts blinking.



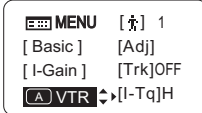
3 Press or .

Press left or right until you reach the desired function.



4 Press .

The display changes from blinking to highlighted, indicating confirmation.



Options	<sup>(D)</sup> Fr1P	Fr1F	Fr2P	Fr2F	Sped	Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value



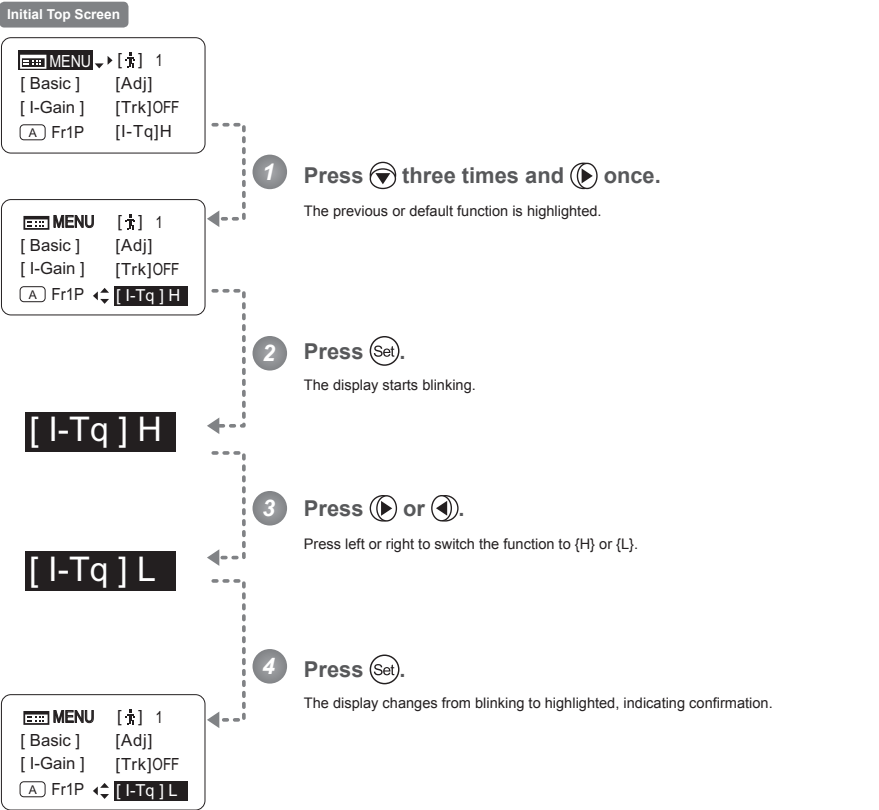
4.1.9 Specifying Iris Torque

[I-Tq]

Specify the desired level of torque in manual control of the iris ring.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



### 4.1.10 Assigning Functions to the AUX1 Switch

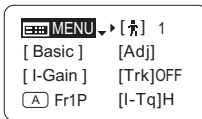
(A1)

Assign your desired functions to the AUX1 switch.

#### Important

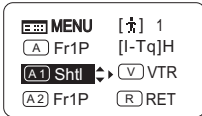
First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

#### Initial Top Screen



1 Press four times.

The previous or default function is highlighted.



2 Press .

The display starts blinking.



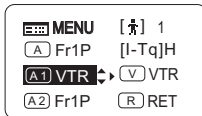
3 Press or .

Press left or right until you reach the desired function.



4 Press .

The display changes from blinking to highlighted, indicating confirmation.



Options	Fr1P	Fr1F	Fr2P	Fr2F	Sped	<sup>(D)</sup> Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value



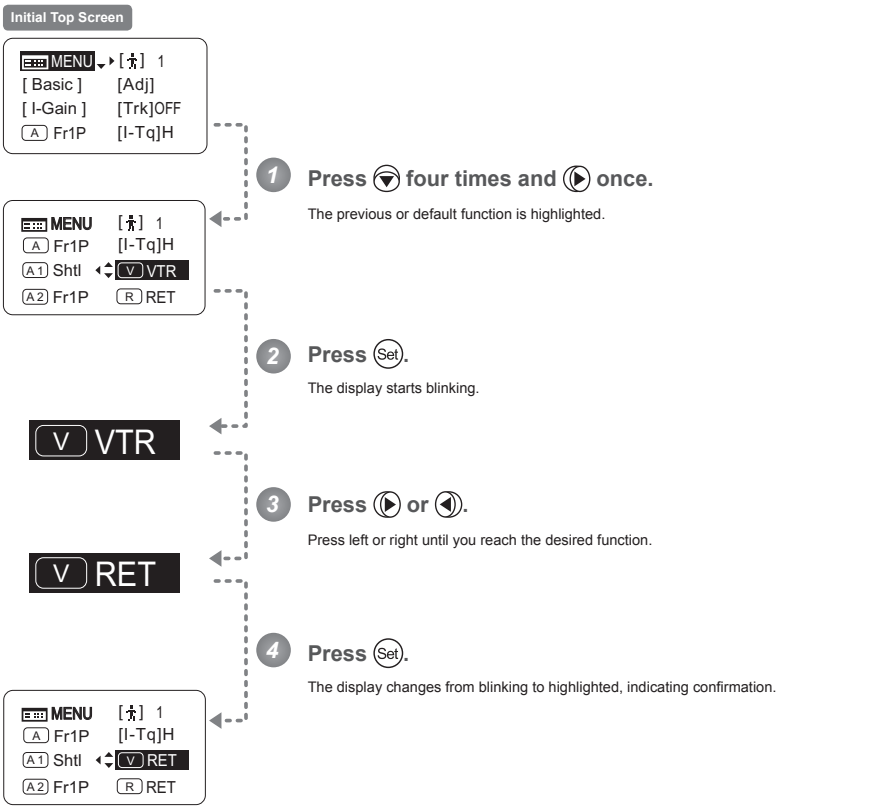


4.1.11 Assigning Functions to the VTR Switch

Assign your desired functions to the VTR switch.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



### 4.1.12 Assigning Functions to the AUX2 Switch

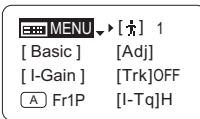
(A2)

Assign your desired functions to the AUX2 switch.

#### Important

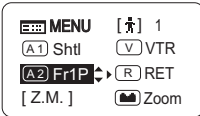
First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

#### Initial Top Screen



#### 1 Press five times.

The previous or default function is highlighted.



#### 2 Press .

The display starts blinking.



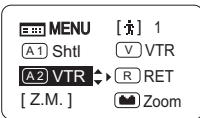
#### 3 Press or .

Press left or right until you reach the desired function.



#### 4 Press .

The display changes from blinking to highlighted, indicating confirmation.



Options	<sup>(D)</sup> Fr1P	Fr1F	Fr2P	Fr2F	Sped	Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value

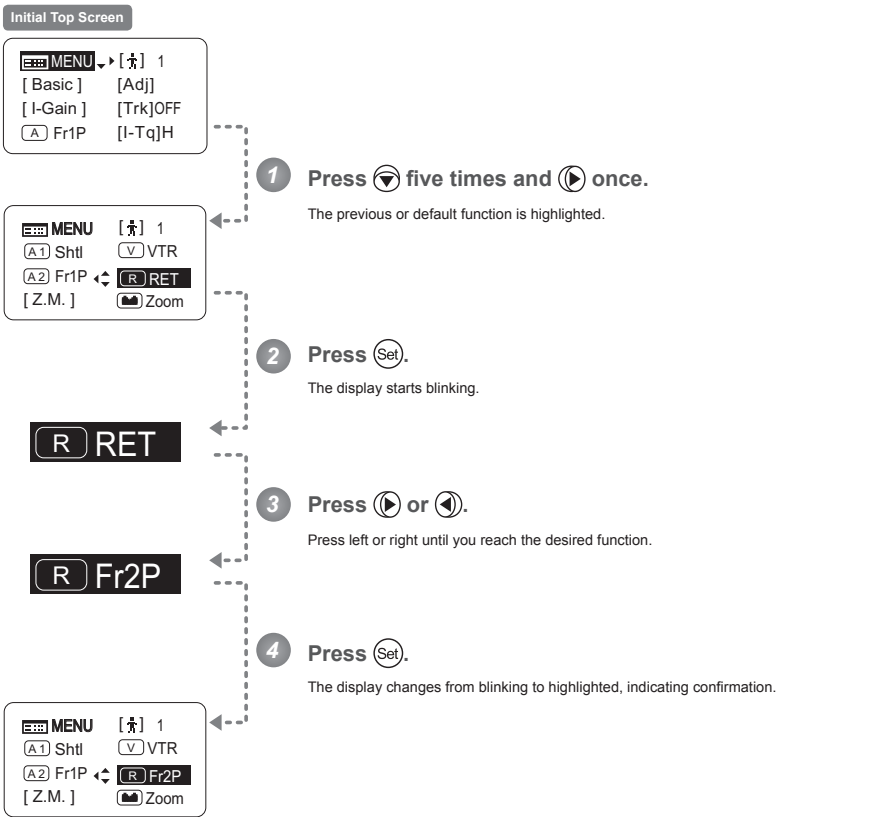


4.1.13 Assigning Functions to the RET Switch R

Assign your desired functions to the RET switch.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



### 4.1.14 Specifying Zoom Curve Mode

[Z.M.]

#### Specifying Seesaw Switch Responsiveness

Configure the responsiveness of zoom speed adjustment in response to pressing the zoom seesaw switch.  
(Note: Another screen is displayed when this setting is configured.)

#### Important

First, switch to the user for whom the settings apply.

(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

#### Initial Top Screen

MENU [F1] 1  
[Basic] [Adj]  
[I-Gain] [Trk]OFF  
[A] Fr1P [I-Tq]H

#### Screen A

MENU [F1] 1  
[A2] Fr1P [R] RET  
[Z.M.] [Zoom]  
[AM] Norm

#### CurveMode Screen

Zoom [F1] [F2]  
CurveMode [F3] 2  
Seesaw: 5  
Demand: 5

Zoom [F1] [F2]  
CurveMode [F3] 2  
Seesaw: [D5] 2  
Demand: 5

Zoom [F1] [F2]  
CurveMode [F3] 2  
Seesaw: [3] 2  
Demand: 5

#### 1 Press [F1] seven times.

Your selection is now highlighted.

#### 2 Press [Set].

The display switches to the **CurveMode screen**.

#### 3 Press [F1].

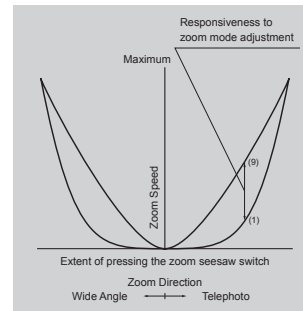
[Seesaw] is underlined.  
The previous or default value is highlighted.

#### 4 Press [Right] or [Left].

Press left or right until you reach the desired value.

#### 5 Press [Set].

The display reverts to **Screen A**.



Options	1	2	3	4	(D) 5	6	7	8	9
---------	---	---	---	---	-------	---	---	---	---

(D): Default value

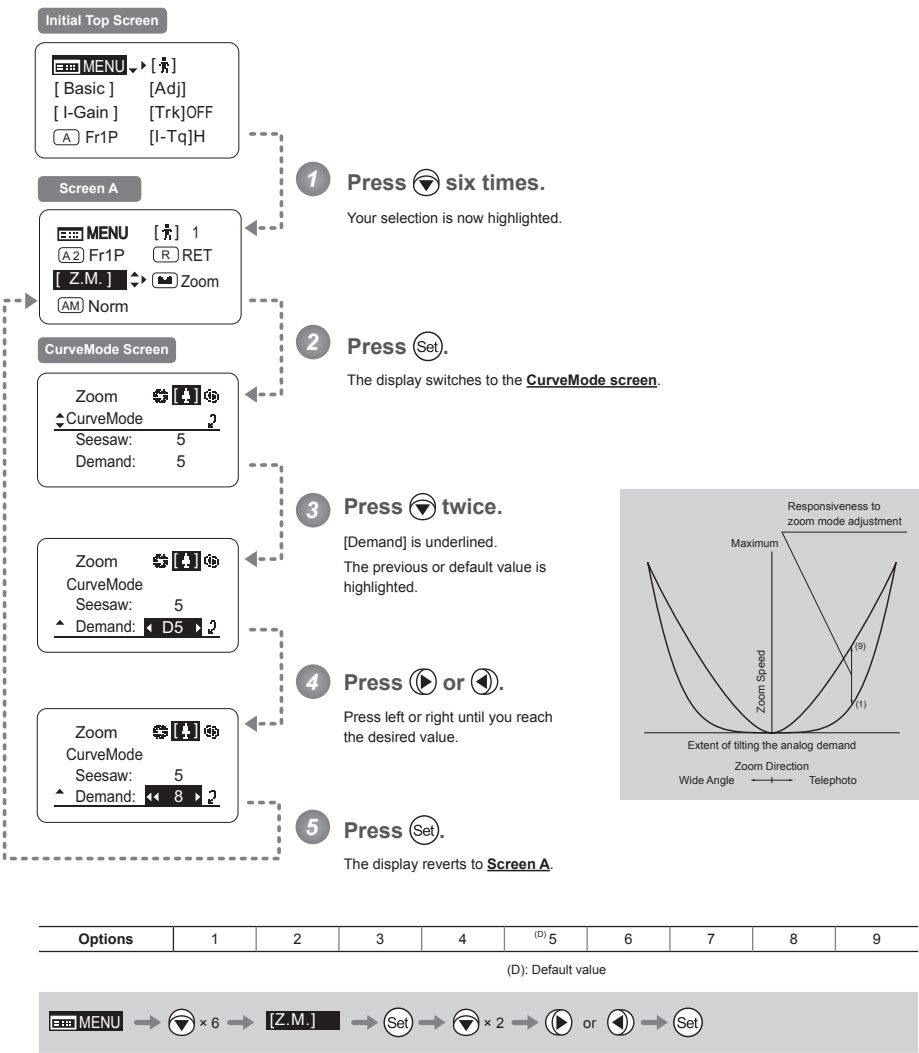
MENU [F1] × 7 → [Z.M.] → [Set] → [F1] → [Right] or [Left] → [Set]

Specifying Analog Demand Responsiveness

Configure the responsiveness of zoom speed adjustment in response to pressing the analog demand thumb ring.  
(Note: Another screen is displayed when this setting is configured.)

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



4.1.15 Assigning Functions to the Seesaw

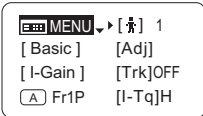


The zoom seesaw switch can be programmed to control either the {Zoom} or {Iris}.

Important

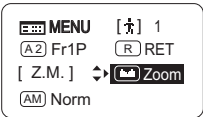
First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

Initial Top Screen



1 Press six times and once.

The previous or default function is highlighted.



2 Press .

The display starts blinking.



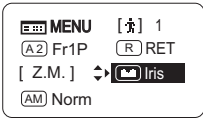
3 Press or .

Press left or right to switch the function to {Zoom} or {Iris}.



4 Press .

The display changes from blinking to highlighted, indicating confirmation.



Note: Note on Iris Assignment

- 1. The seesaw switch will no longer control zooming.
- 2. To control the iris with the rocker switch, you must set the Iris mode to manual.
- 3. Press the Telephoto side to open the iris, or press the Wide end side to close it.
- 4. Zoom speed control adjustments also apply to iris control, and you can specify the maximum iris speed. (See "4.2.5 Zoom Screen Settings: Specifying Maximum Zoom Speed Control.")

Options	<sup>(D)</sup> Zoom	Iris
Description	Zoom operation	Iris operation

(D): Default value



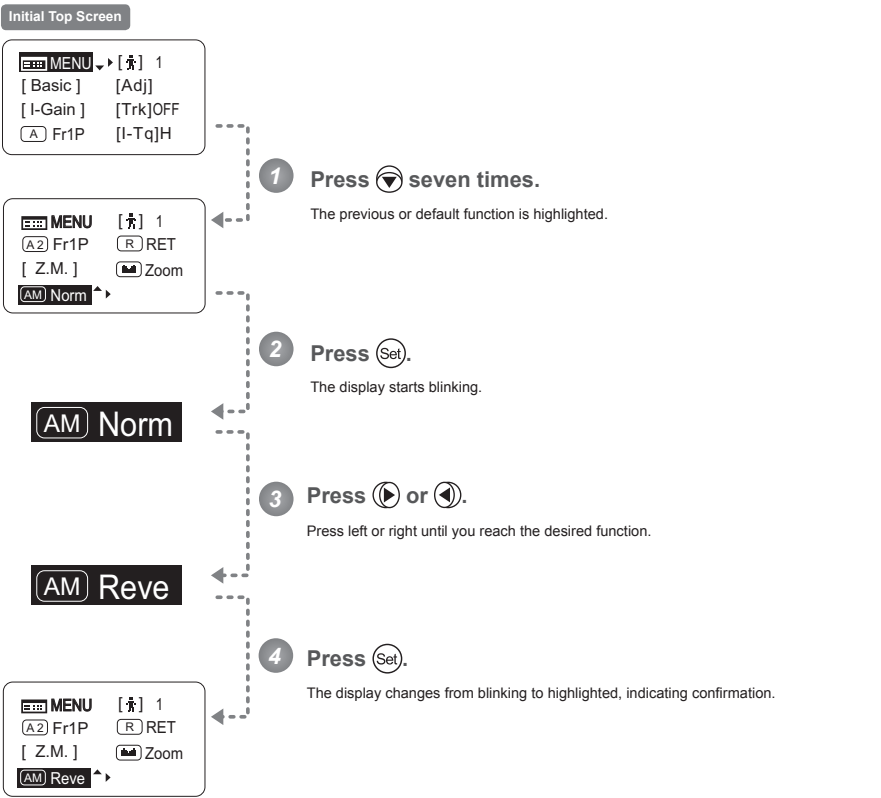
4.1.16 Specifying Iris A/M Switch



The iris A/M switch on the top of the drive unit can be programmed to activate a function of your choice.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

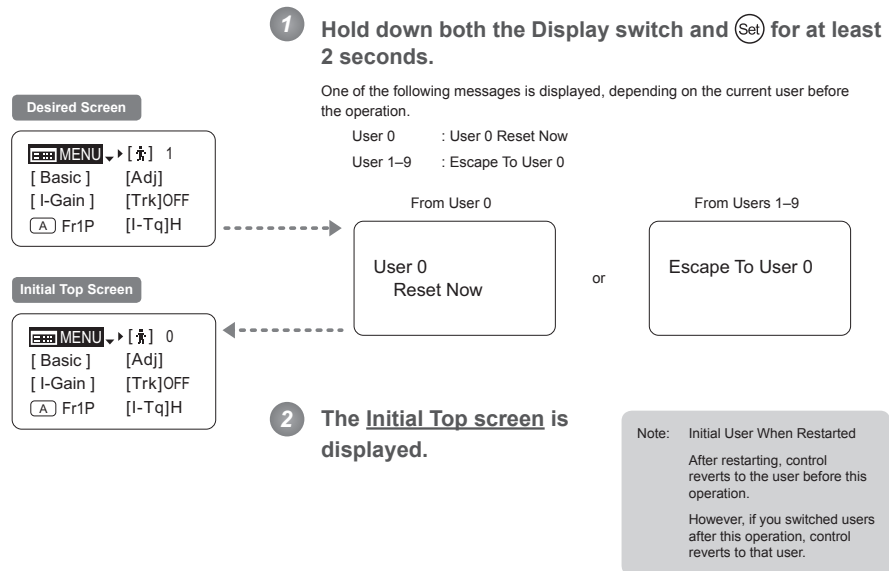


## 4.1.17 Escape Operation

Instantly jump to user 0, with default settings, from the current user (0–9).

### Note

1. Not available when settings are locked.
2. The following settings remain the same even after jumping to user 0.  
Auto and remote iris gain values, encoder output setting, and camera follow voltage adjustments



[  and  ] 2 seconds



## 4.2 Configuration from the Menu Screen

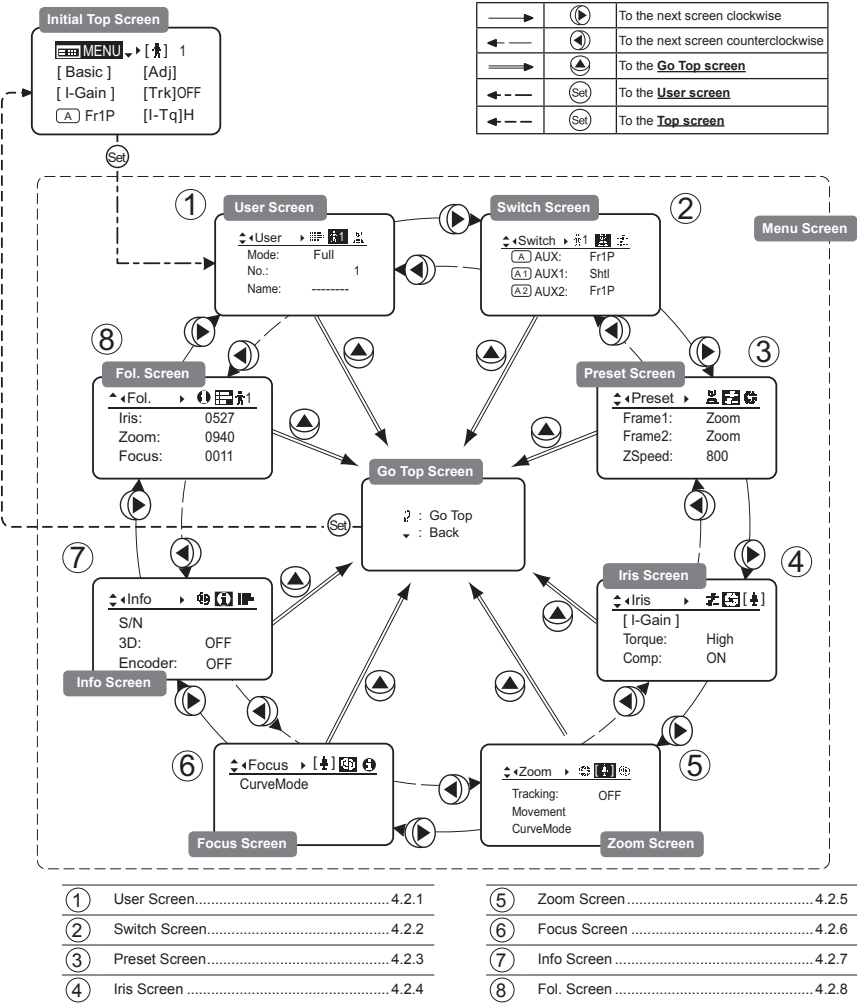
In Full mode, you can view and configure 38 setting items and a “follow” screen with three setting items that have relative values from the **Menu screen**.\*

Specifically, the **Menu screen** in Full mode is organized into 8 screens by function: **User screen**, **Switch screen**, **Preset screen**, **Iris screen**, **Zoom screen**, **Focus screen**, **Info screen**, and **Fol. screen**.

Select [MENU] on the **Top screen** and press the Set key to access the **User screen** initially. Press left or right to access the 7 other screens. (See the following figure.)

\*: There is no single **Menu screen**. Instead, these 8 screens are collectively referred to as the **Menu screen**.

Setting items labeled **Top** next to the function title can also be configured from the **Top screen**.



## 4.2.1 User Screen Settings

For details on users available in Full mode, see "4.1.3 Switching Users."

The following setting items can be configured on the User screen.

Switching Modes

Switching Users **Top**

Naming Users

Resetting Values

- (1) Resetting One User's Settings
- (2) Resetting All Users' Settings

Copying Settings Between Individual Users

Copying Settings Between Lenses

- (1) Copying One User's Settings to Another Lens
- (2) Copying All Users' Settings to Another Lens
- (3) Responding to Errors

Locking Functions

Items labeled **Top** can also be modified from the Top screen.

User Screen in Full Mode

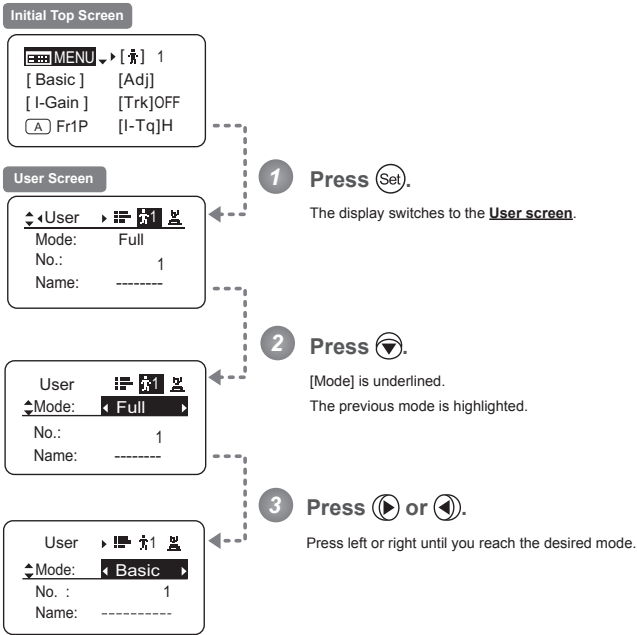
◀User▶	Mode:	Full
	No.:	1
	Name:	-----

Switching Modes

Switch to Basic or Analog mode as needed.

Important

The new mode setting is retained even after the lens is turned off.



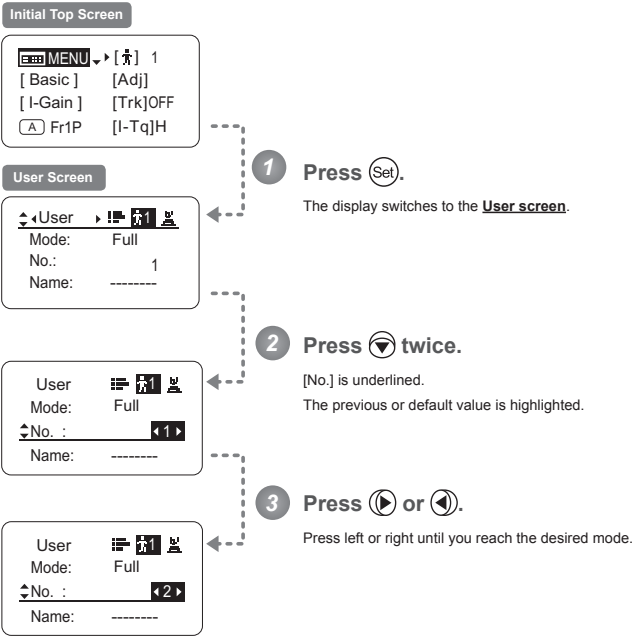
Options	<sup>(D)</sup> Basic	Full	Analog
Save Settings	Basic Mode	Full Mode	Analog Mode

(D): Default value



Switching Users Top

Switch Users (0–9) as needed. To configure settings for individual users, switch to that user number.



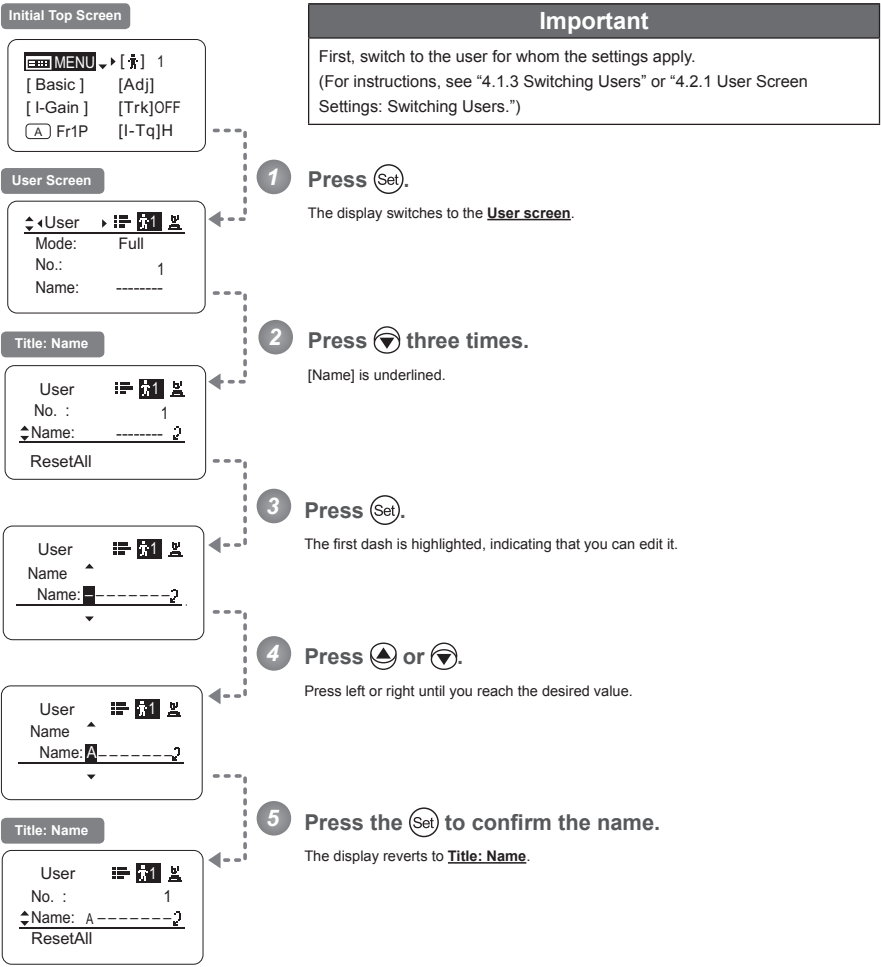
Options	0	<sup>(D)</sup> 1	2	3	4	5	6	7	8	9
Save Settings	Not supported Although settings cannot be saved, they can be changed temporarily. Switching users or turning the lens off will restore default values.	Can be saved for each user								

(D): Default value



Naming Users

Users can be named, as needed.



Options	(D) - A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n o p q r s t u v w x y z 0 1 2 3 4 5 6 7 8 9
Max. Digits	8

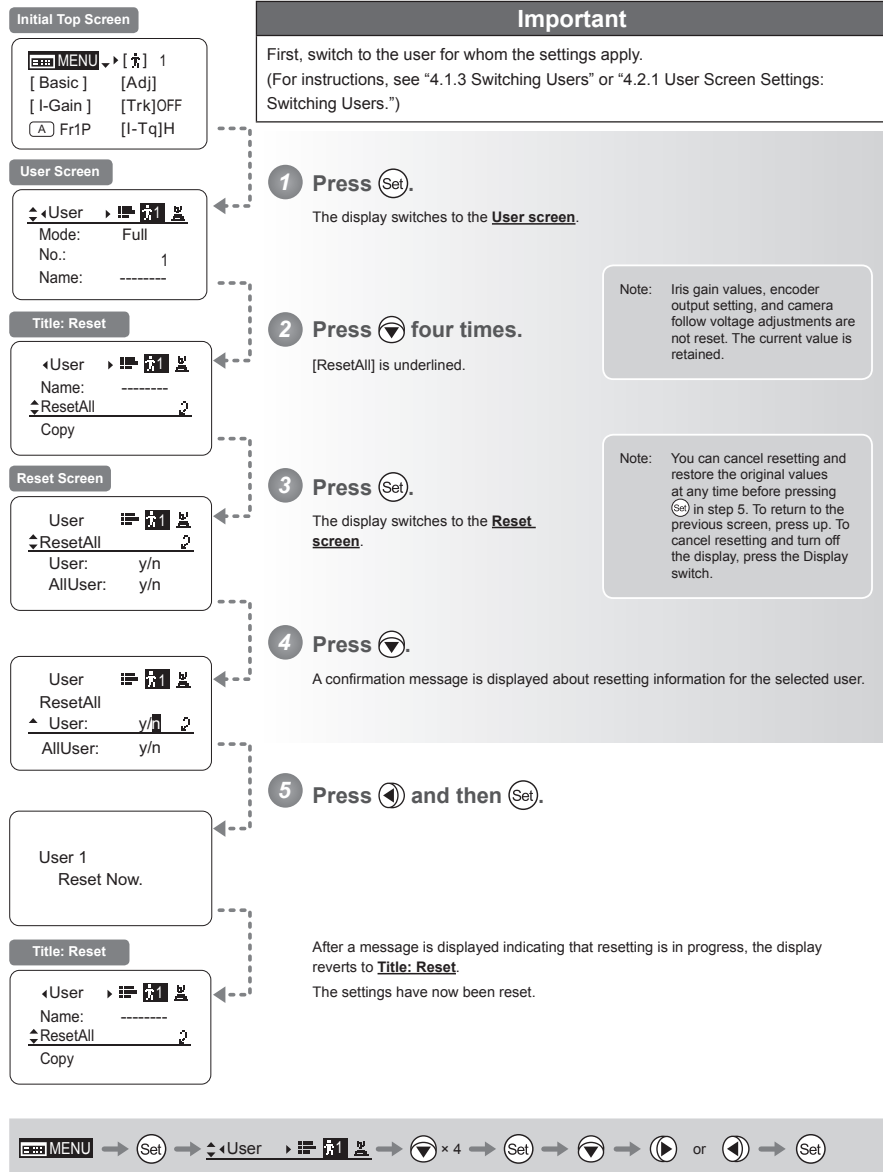
(D) : Default value  
- : Space



## Resetting Values

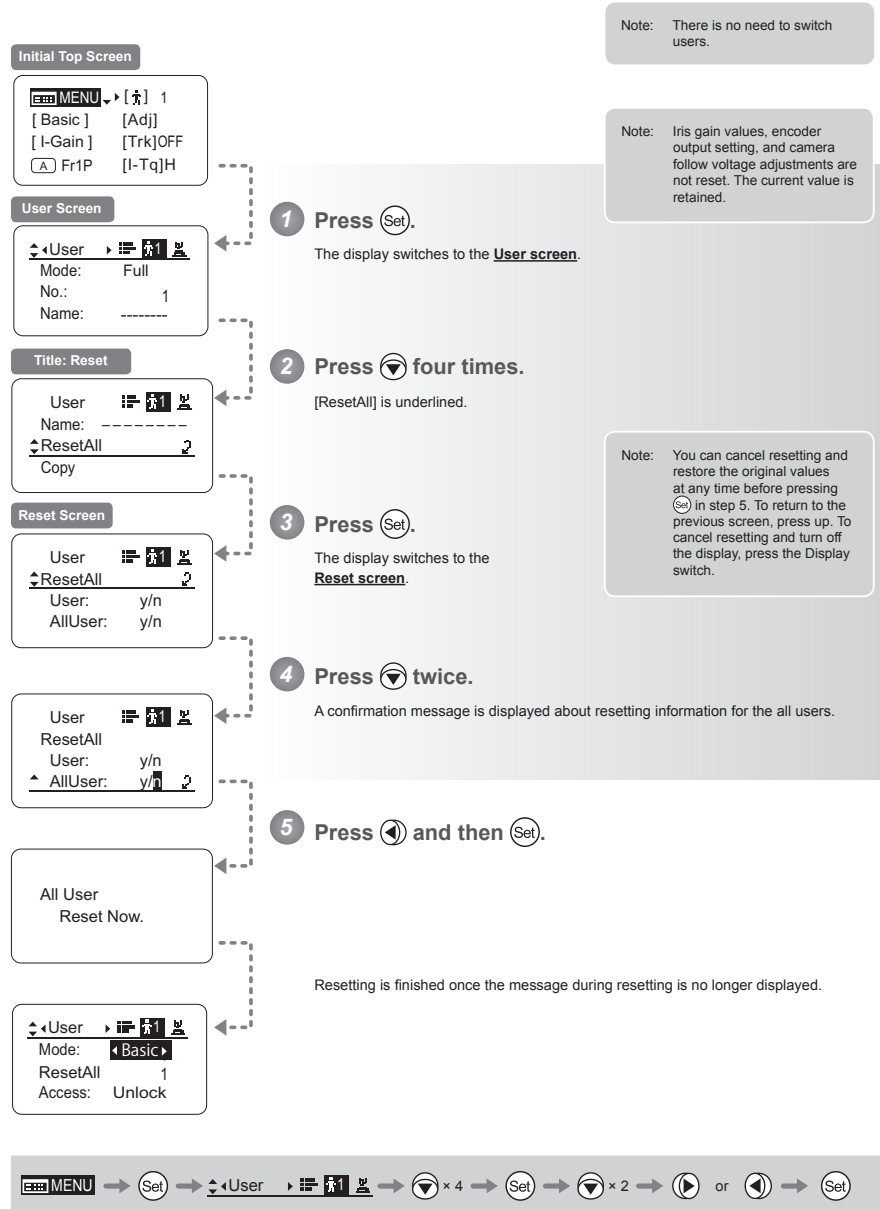
### (1) Resetting One User's Settings

Reset a user's settings to default values as needed.



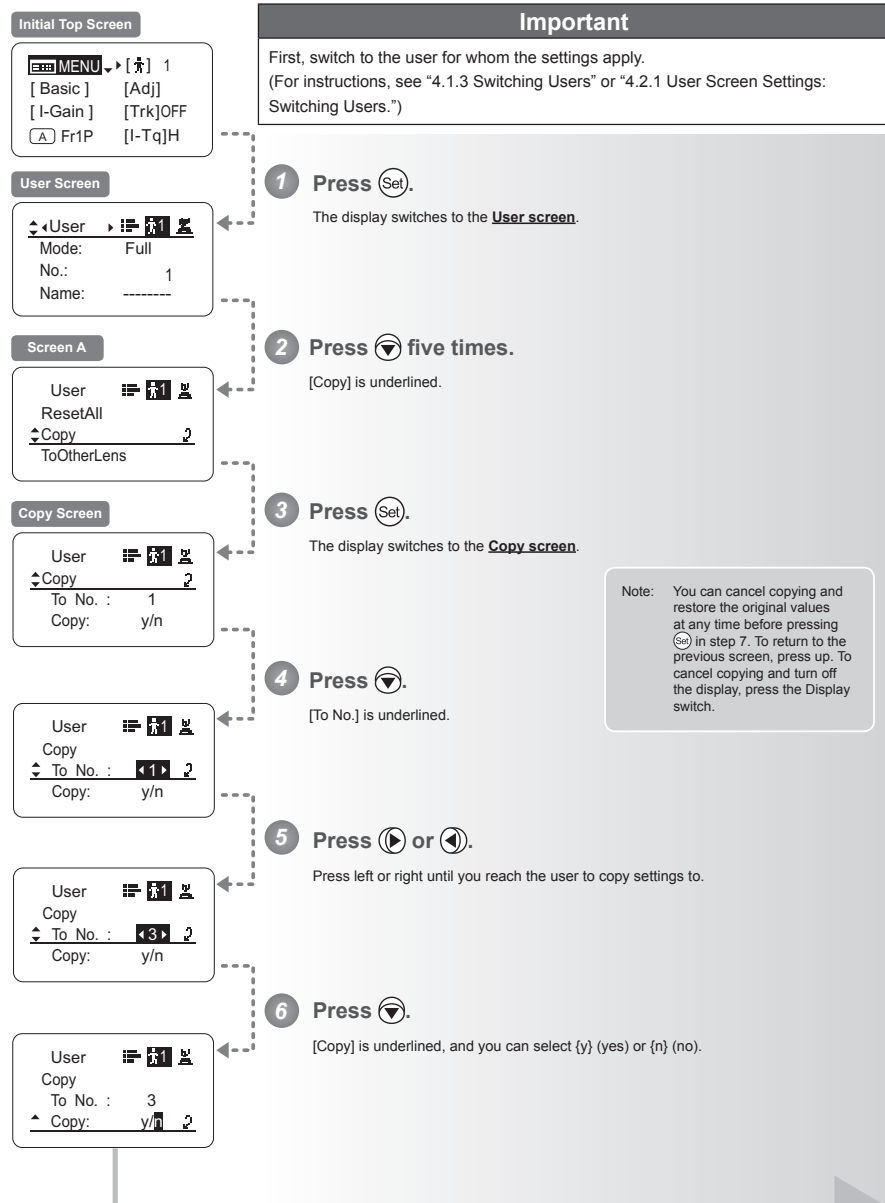
## (2) Resetting All Users' Settings

Reset all users' settings to default values as needed.



## Copying Settings Between Individual Users

Settings configured for one user can be copied to another user.





Continued from previous page

Screen A

User	≡ 1
ResetAll	
↕Copy	2
ToOtherLens	

7 Press  and then .

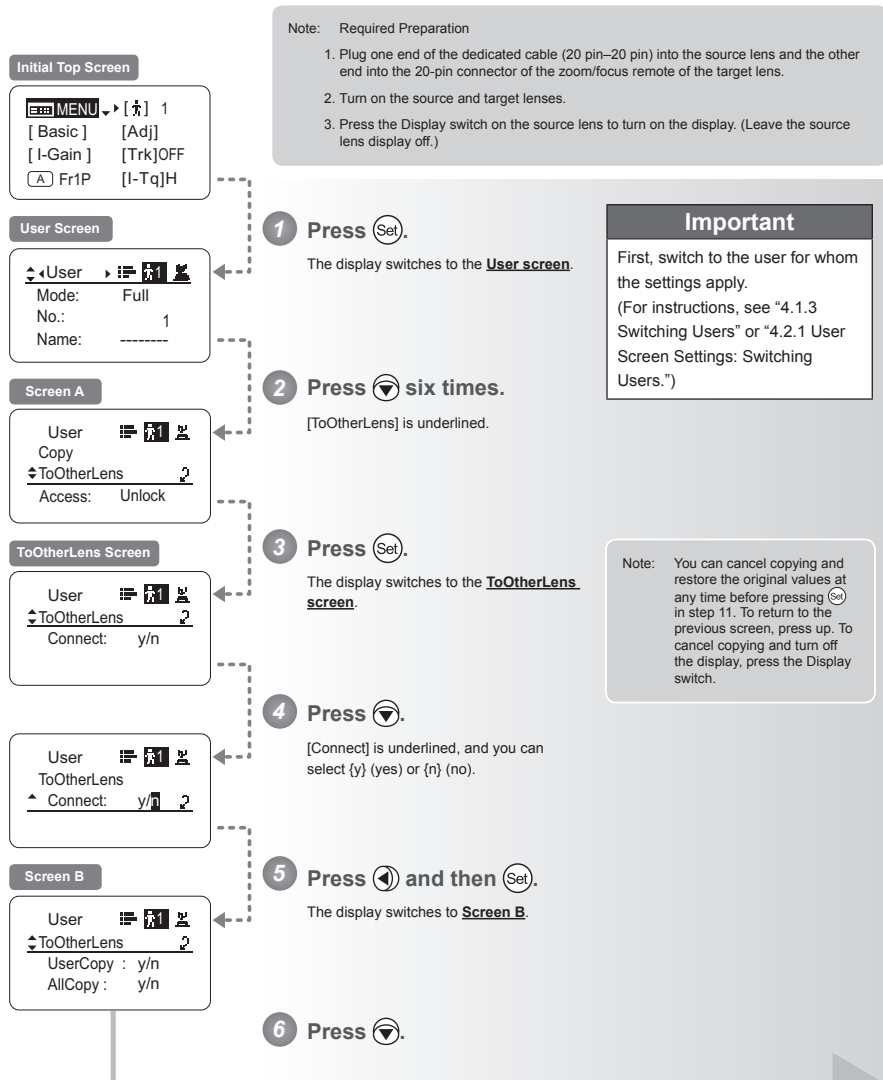
Settings are copied to the specified user number, and the display reverts to Screen A.

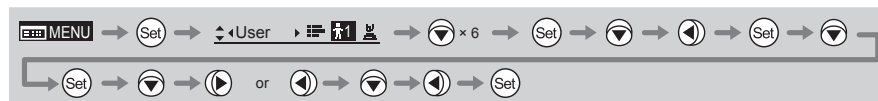
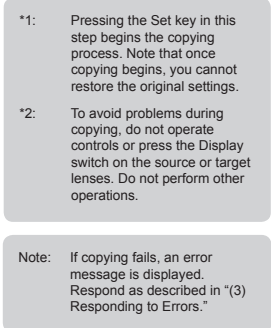


## Copying Settings Between Lenses

Setting information can be copied between information displays of drive units mounted on the display. You can copy either settings for individual users or for all users. Copying requires a dedicated cable, sold separately. For details, contact Canon or your dealer.

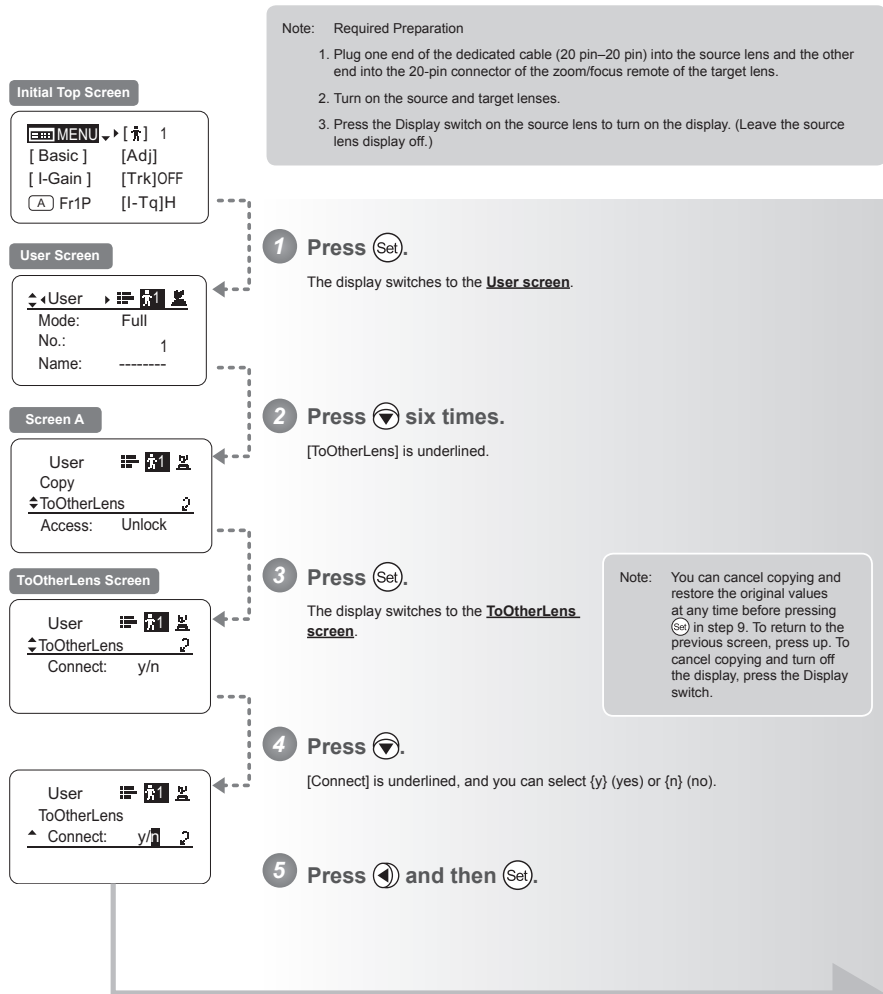
### (1) Copying One User's Settings to Another Lens



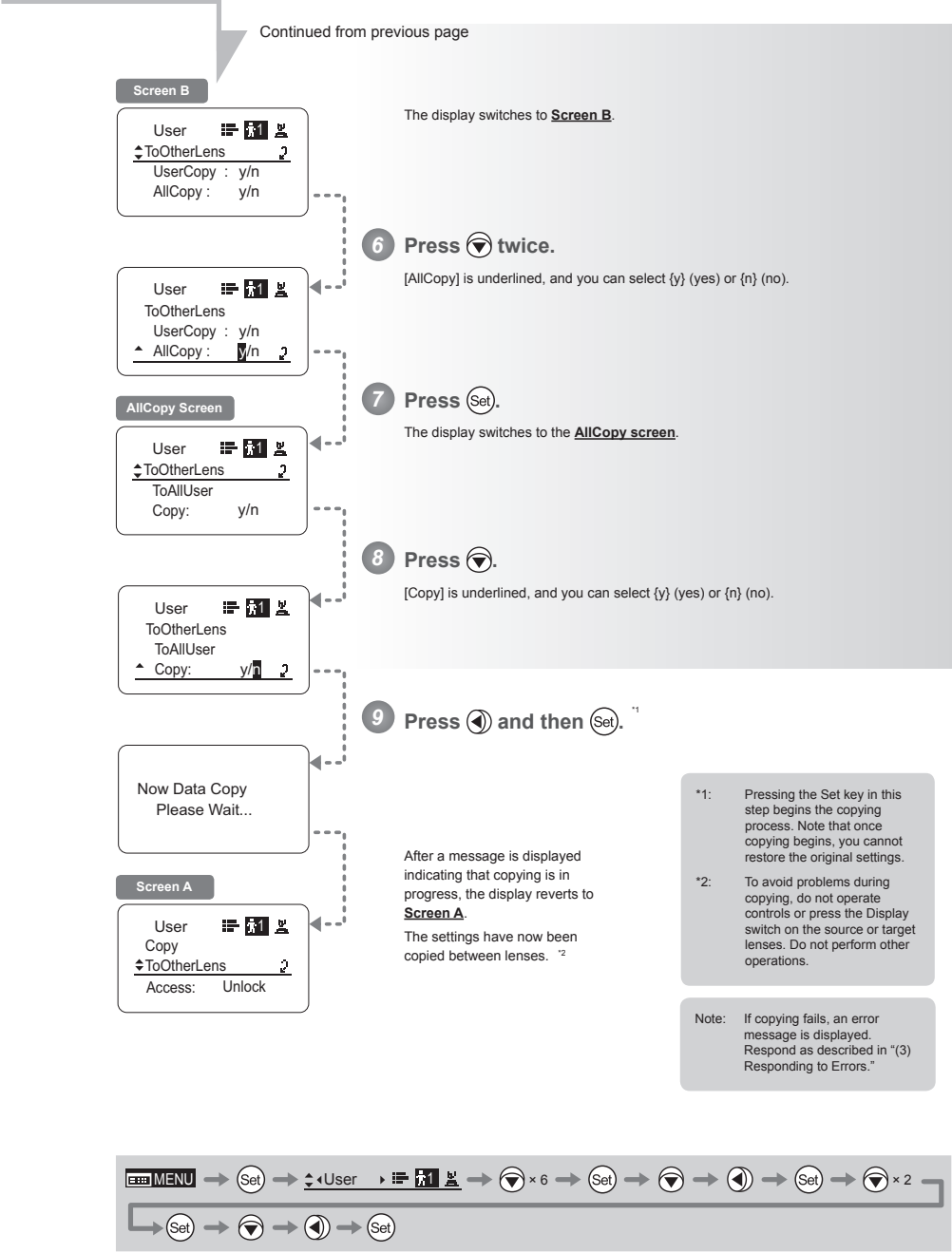


## (2) Copying All Users' Settings to Another Lens

Copying requires a dedicated cable, sold separately. For details, contact Canon or your dealer.

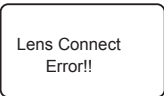
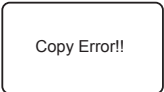
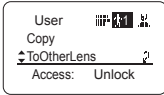


Continued on next page



**(3) Responding to Errors**

If copying between lenses fails, check the following.

Error Screen	Checking Item	Problem	Responding
	Confirm that the dedicated cable (20 pin–20 pin) is connected.	Settings cannot be copied between lenses unless the cable is connected.	Securely connect the cable between the source and target lenses, and follow the steps to copy again, from the start.
	Confirm that the target lens is on.	Settings cannot be copied unless both the source and target lenses are on.	Turn on both the source and target lenses, and follow the steps to copy again, from the start.
	Confirm that the drive unit of the target lens is the same model.	Settings cannot be copied between lenses of different generations of drive units.	Contact Canon or your dealer for details on models of drive unit that can be used to copy settings.
	Confirm that the dedicated cable (20 pin–20 pin) is connected.	The message at left is displayed if the lenses are disconnected during copying, if a power outage occurs, or if a lens is turned off. In this case, copying is interrupted, which prevents the settings from being copied correctly.	Confirm that the source and target lenses are on, and that the cable is securely connected. Press the Display switch to return to <b>Screen A</b> , and follow the steps to copy again, from the start. <div data-bbox="1031 1039 1193 1159"> <p><b>Screen A</b></p>  </div>
	Confirm that the source and target lenses are on.		

Lock Functions

To ensure that configured functions cannot easily be changed, you can lock the settings of certain functions. Once functions are locked, they are locked for all users.

For instructions on locking settings in Analog mode, see "5. Operation in Analog Mode."

Unlocked

MENU

1

[ Basic ] [ Adj ]

[ I-Gain ] [ Trk ] OFF

[ A ] Fr1P [ I-Tq ] H

Locked

MENU

Lock

[ Basic ] [ Adj ]

[ I-Gain ] [ Trk ] OFF

[ A ] Fr1P [ I-Tq ] H

Note

1. User numbers 0–9 in the user number field indicate users that are unlocked.

"Lock" in the user number field indicate users that are locked.

2. In lock mode, only the following items can still be configured, and other settings are locked.

• Preset data (Shuttle shot position, Frame preset position, Preset speed)

• Zoom tracking position, on/off

• Auto iris gain setting

• Specifying encoder output

• Camera follow voltage adjustments

(1) Locking Settings

Initial Top Screen

MENU

1

[ Basic ] [ Adj ]

[ I-Gain ] [ Trk ] OFF

[ A ] Fr1P [ I-Tq ] H

1 Press (Set).

The display switches to the User screen.

User Screen

User

Mode: Full

No.: 1

Name: -----

2 Press (Down Arrow) seven times.

The previous or default value is highlighted.

User

Copy ToOtherLens

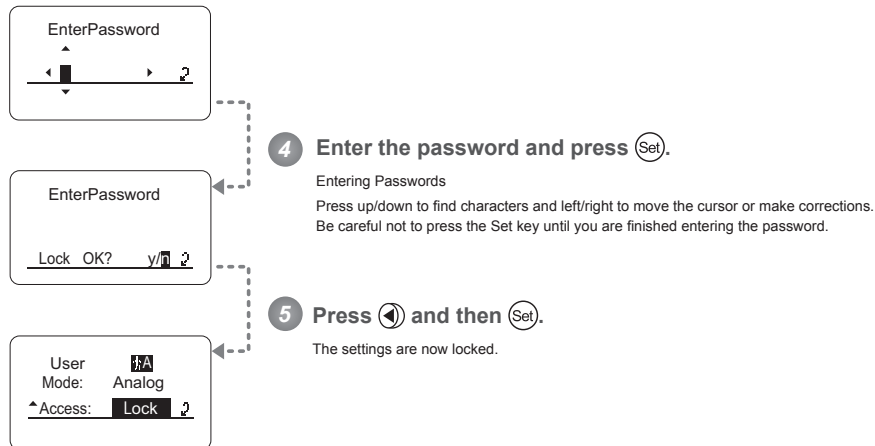
Access: Unlock 2

3 Press (Set).

Continued on next page

#### 4. Operation in Full Mode

Continued from previous page



#### Note

##### Passwords

No master password is used on this model. The password you enter each time to lock settings is the password used to unlock them. For this reason, we recommend making a note of the password each time. If you forget the password, contact Canon or your dealer. Passwords can be blank or up to 8 digits.

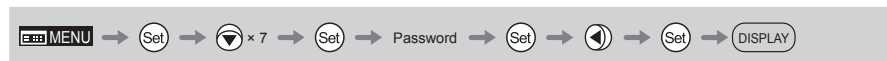
##### Characters supported in passwords

Options	(D) _-ABCDEFGHIJKLMN OPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789
Max. Digits	8

(D) : Default value  
 \_ : Space

Options	(D) Unlock	Lock
---------	------------	------

(D): Default value

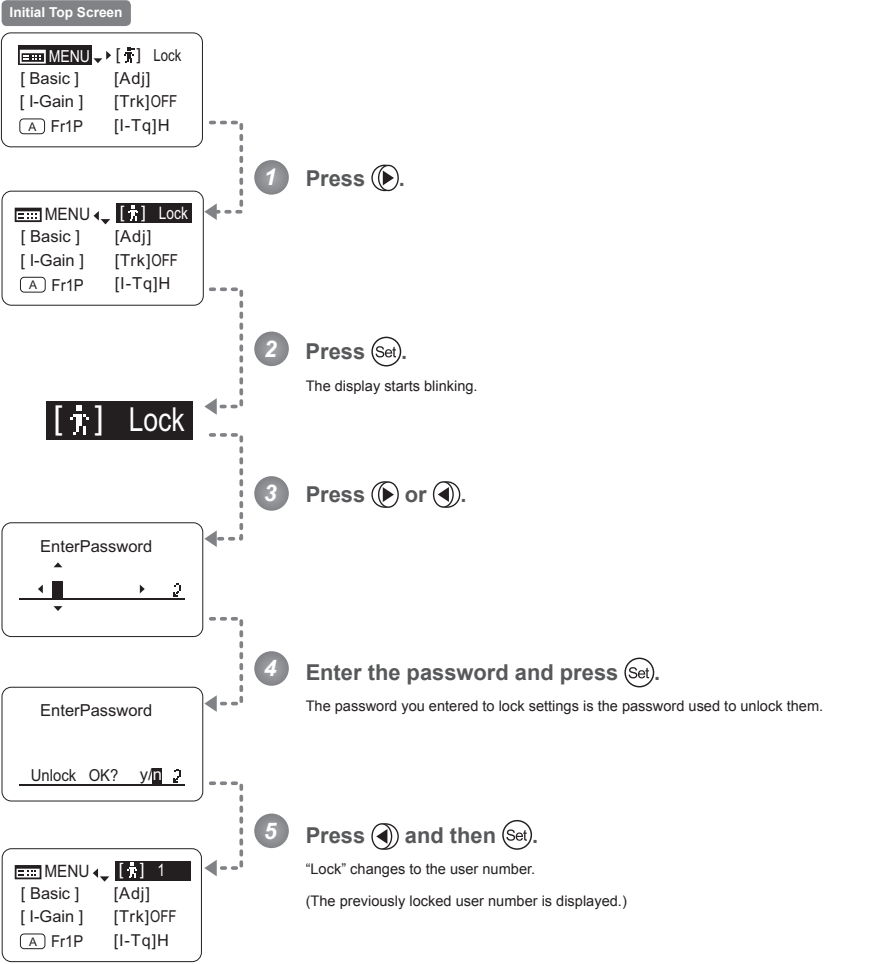




(2) Unlocking Settings

Settings can be unlocked in two ways, as follows.

(Unlocking Setting 1)



Options	<sup>(D)</sup> Unlock	Lock
---------	-----------------------	------

(D): Default value



#### 4. Operation in Full Mode

##### (Unlocking Setting 2)

###### Initial Top Screen

MENU → [F] Lock	
[ Basic ]	[Adj]
[ I-Gain ]	[Trk]OFF
[A] Fr1P	[I-Tq]H

###### User Screen

← User → [F] 1 [P]
Mode: Full
No.: 1
Name: -----

- 1 Press (Set).  
The display switches to the User screen.

User	[F] 1 [P]
Copy ToOtherLens	
Access: Lock	2

- 2 Press (Down Arrow) seven times.

EnterPassword
← [Bar] → 2

- 3 Press (Set).

EnterPassword
Unlock OK? y/n 2

- 4 Enter the password and press (Set).  
The password you entered to lock settings is the password used to unlock them.

User	[F] 1 [P]
Copy ToOtherLens	
Access: Unlock	2

- 5 Press (Left Arrow) and then (Set).  
The settings are now unlocked.

MENU → (Set) → (Down Arrow) × 7 → (Set) → Password → (Set) → (Left Arrow) → (Set)

## 4.2.2 Switch Screen Settings

The following setting items can be configured on the Switch screen.

Assigning Functions to the AUX Switch	<b>Top</b>
Assigning Functions to the AUX1 Switch	<b>Top</b>
Assigning Functions to the AUX2 Switch	<b>Top</b>
Assigning Functions to the VTR Switch	<b>Top</b>
Assigning Functions to the RET Switch	<b>Top</b>
Specifying Iris A/M Switch	<b>Top</b>
Assigning Functions to the Seesaw	<b>Top</b>

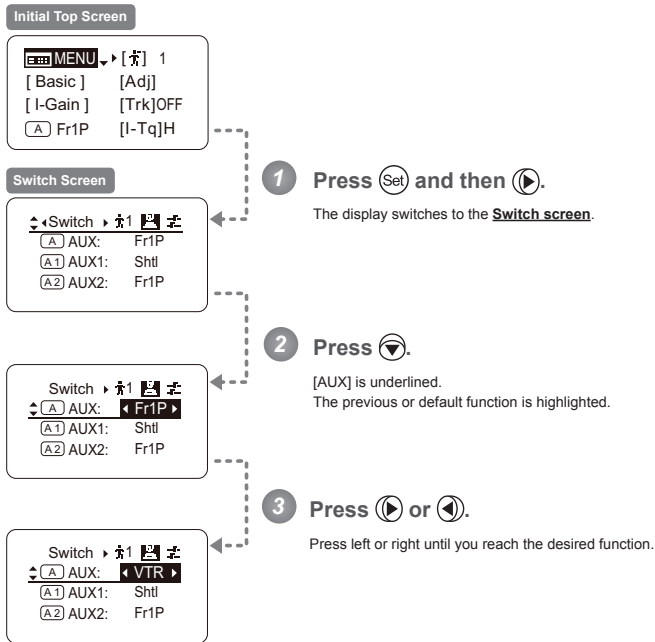
Items labeled **Top** can also be modified from the Top screen.

## Assigning Functions to the AUX Switch Top

The AUX switch can be programmed to activate a function of your choice.

### Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	<sup>(D)</sup> Fr1P	Fr1F	Fr2P	Fr2F	Sped	Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value

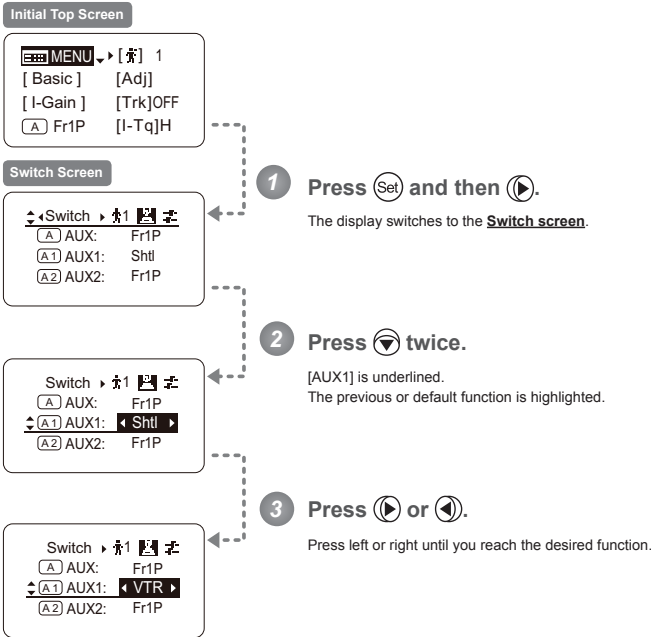


Assigning Functions to the AUX1 Switch Top

The AUX1 switch can be programmed to activate a function of your choice.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	Fr1P	Fr1F	Fr2P	Fr2F	Sped	<sup>(D)</sup> Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value



## Assigning Functions to the AUX2 Switch Top

The AUX2 switch can be programmed to activate a function of your choice.

### Important

First, switch to the user for whom the settings apply.

(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

#### Initial Top Screen

MENU ▾ ▶ [ 1 ]  
[ Basic ] [ Adj ]  
[ I-Gain ] [ Trk ] OFF  
[ A ] Fr1P [ I-Tq ] H

#### Switch Screen

◀ Switch ▶   
[ A ] AUX: Fr1P  
[ A1 ] AUX1: Shtl  
[ A2 ] AUX2: Fr1P

Switch ▶   
[ A1 ] AUX1: Shtl  
◀ [ A2 ] AUX2: Fr1P ▶  
[ V ] VTR: VTR

Switch ▶   
[ A1 ] AUX1: Shtl  
◀ [ A2 ] AUX2: Sped ▶  
[ V ] VTR: VTR

**1** Press and then .

The display switches to the **Switch screen**.

**2** Press three times.

[AUX2] is underlined.  
The previous or default function is highlighted.

**3** Press or .

Press left or right until you reach the desired function.

Options	<sup>(D)</sup> Fr1P	Fr1F	Fr2P	Fr2F	Sped	Shtl	NON	VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	No function	VTR switch	RET switch

(D): Default value

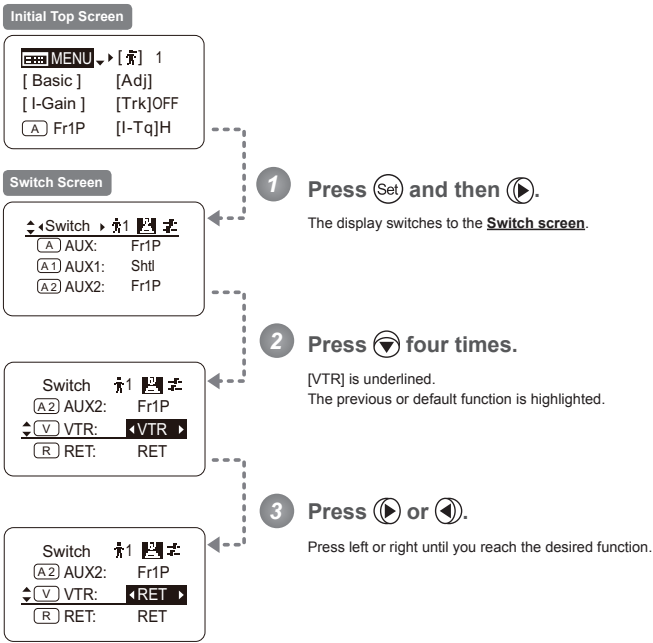
MENU → → → ◀ Switch ▶ → × 3 → or

Assigning Functions to the VTR Switch Top

The VTR switch can be programmed to activate a function of your choice.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	Fr1P	Fr1F	Fr2P	Fr2F	Sped	Shtl	<sup>(D)</sup> VTR	RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	VTR switch	RET switch

(D): Default value



## Assigning Functions to the RET Switch Top

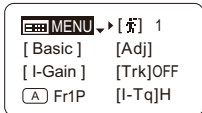
The RET switch can be programmed to activate a function of your choice.

### Important

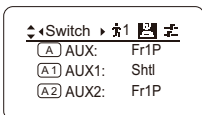
First, switch to the user for whom the settings apply.

(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

#### Initial Top Screen



#### Switch Screen

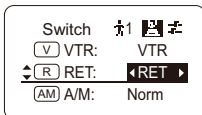


**1** Press **Set** and then **▶**.

The display switches to the **Switch screen**.

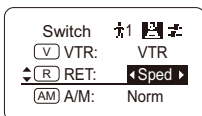
**2** Press **◀** five times.

[RET] is underlined.  
The previous or default function is highlighted.



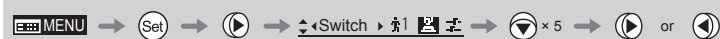
**3** Press **▶** or **◀**.

Press left or right until you reach the desired function.



Options	Fr1P	Fr1F	Fr2P	Fr2F	Sped	Shtl	VTR	<sup>(D)</sup> RET
Description	Framing Preset1 switch (preset speed)	Framing Preset1 switch (max. speed)	Framing Preset2 switch (preset speed)	Framing Preset2 switch (max. speed)	Speed Preset switch	Shuttle-Shot switch	VTR switch	RET switch

(D): Default value



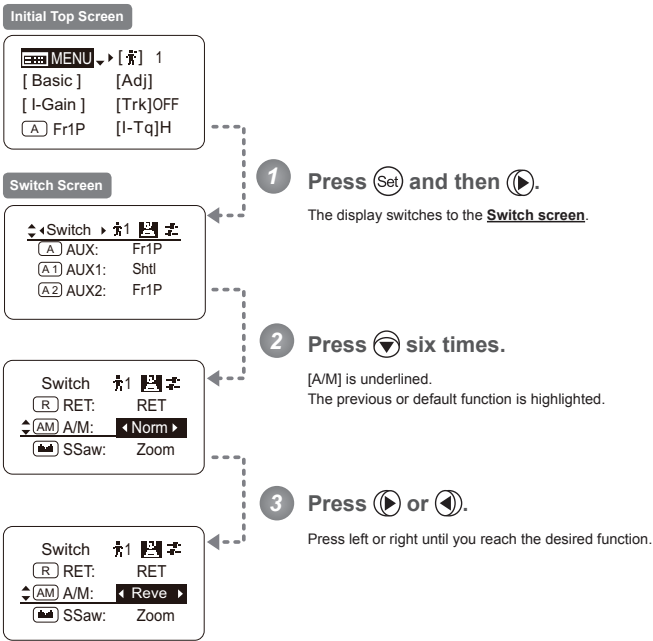


Specifying Iris A/M Switch Top

The Iris A/M switch can be programmed to activate a function of your choice.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	<sup>(D)</sup> Norm	Reve	Auto	Manu
Description	Normal operation A: Auto / M: Manual	Reverse operation A: Manual / M: Auto	Auto Only A: Auto / M: Auto	Manual Only A: Manual / M: Manual

(D): Default value



## Assigning Functions to the Seesaw Top

The zoom seesaw switch can be programmed to control either the {Zoom} or {Iris}.

### Important

First, switch to the user for whom the settings apply.

(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

#### Initial Top Screen

MENU → [F1] 1  
 [ Basic ] [Adj]  
 [ I-Gain ] [Trk]OFF  
 [A] Fr1P [I-Tq]H

#### Switch Screen

↕◀Switch ▶ 1   
 [A] AUX: Fr1P  
 [A1] AUX1: Shtl  
 [A2] AUX2: Fr1P

**1 Press and then .**

The display switches to the Switch screen.

**2 Press seven times.**

[SSaw] is underlined.  
The previous or default function is highlighted.

Switch   
 [R] RET: RET  
 [AM] A/M: Norm  
 ^◀SSaw: ◀Zoom▶

**3 Press or .**

Press left or right until you reach the desired function.

Switch   
 [R] RET: RET  
 [AM] A/M: Norm  
 ^◀SSaw: ◀Iris▶

#### Note: Note on Iris Assignment

1. The seesaw switch will no longer control zooming.
2. To control the iris with the rocker switch, you must set the iris mode to manual. Operation is not possible in Auto or Remote mode.
3. Press the Telephoto side to open the iris, or press the Wide end side to close it.
4. Zoom speed control adjustments also apply to iris control, and you can specify the maximum iris speed. (See "4.2.5 Zoom Screen Settings: Specifying Maximum Zoom Speed Control.")

Options	<sup>(D)</sup> Zoom	Iris
Description	Zoom operation	Iris operation

(D): Default value

MENU → → → ↕◀Switch ▶ 1 → × 7 → or

### 4.2.3 Preset Screen Settings

The following setting items can be configured on the Preset screen.

Switching What Frame Preset 1 Controls

Switching What Frame Preset 2 Controls

Specifying the Preset Mode Zoom Speed

Specifying Zoom Start Responsiveness for Presets

Specifying Zoom Stop Responsiveness for Presets

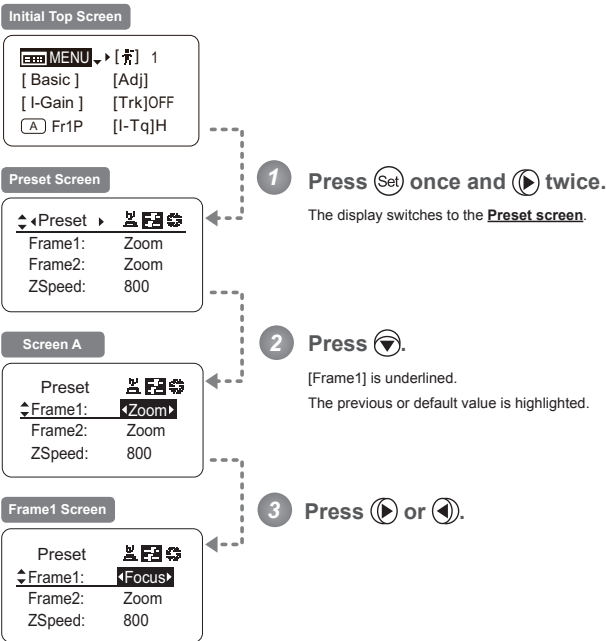
Switching What Frame Preset 1 Controls

Switch what frame preset 1 controls, as needed.

- Zoom : Move the zoom position to the position in memory
- Focus : Move the focus position to the position in memory
- Z+F : Move the zoom and focus position to the position in memory

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	<sup>(D)</sup> Zoom	Focus	Z+F
Description	Control zooming	Control focusing	Control zooming and focusing

(D): Default value



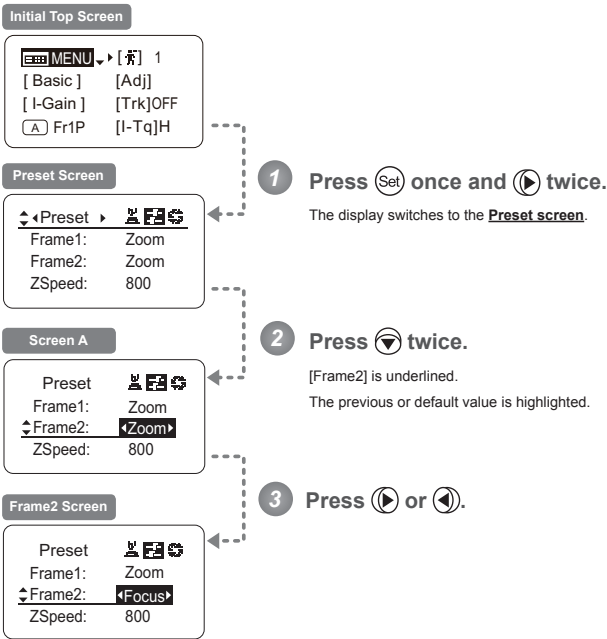
Switching What Frame Preset 2 Controls

Switch what frame preset 2 controls, as needed.

- Zoom : Move the zoom position to the position in memory
- Focus : Move the focus position to the position in memory
- Z+F : Move the zoom and focus position to the position in memory

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	(D) Zoom	Focus	Z+F
Description	Control zooming	Control focusing	Control zooming and focusing

(D): Default value



## Specifying the Preset Mode Zoom Speed

Configure the zoom speed from any position to the position in memory, as needed.

To adjust the value, use either the Memo button (refer to the Lens Manual) or display operations.

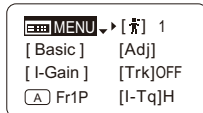
Regardless of the method of adjustment used, the most recent setting takes precedence.

### Important

First, switch to the user for whom the settings apply.

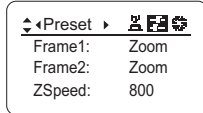
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

#### Initial Top Screen



Note: Your specified values apply to both Fr1P and Fr2P.

#### Preset Screen

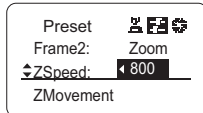


#### 1 Press **Set** once and **Right Arrow** twice.

The display switches to the **Preset screen**.

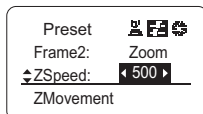
#### 2 Press **Down Arrow** three times.

[ZSpeed] is underlined.  
The previous or default value is highlighted.



#### 3 Press **Left Arrow** or **Right Arrow**.

Press left or right until you reach the desired value.



Options	1	to	<sup>(D)</sup> 800
Description	Slowest		Fastest

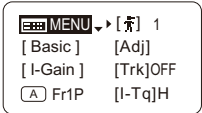
(D): Default value



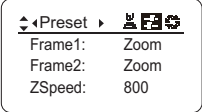
Specifying Zoom Start Responsiveness for Presets

Specify initial responsiveness in zooming for preset operations.

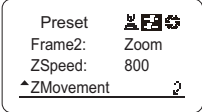
Initial Top Screen



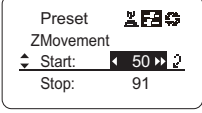
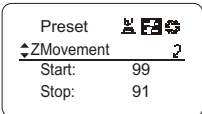
Preset Screen



Screen A



ZMovement Screen



Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

1 Press (Set) once and (Play) twice.

The display switches to the Preset screen.

2 Press (Down Arrow) four times.

[ZMovement] is underlined.

3 Press (Set).

The display switches to the ZMovement screen.

4 Press (Down Arrow).

[Start] is underlined.  
The previous or default value is highlighted.

5 Press (Right Arrow) or (Left Arrow).

Press left or right until you reach the desired value.

6 Press (Set).

The display reverts to Screen A.

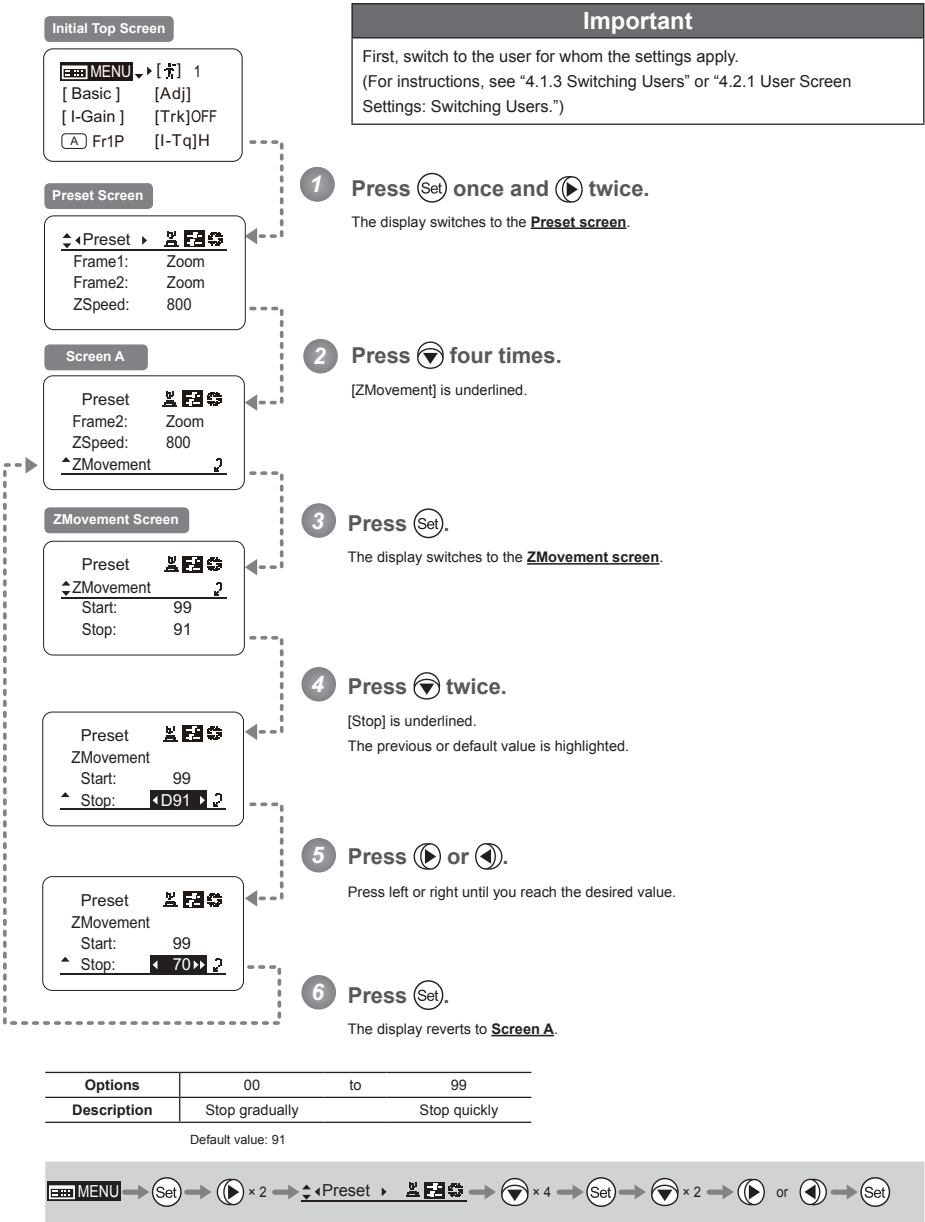
Options	00	to	(D) 99
Description	Start gradually		Start quickly

(D): Default value



Specifying Zoom Stop Responsiveness for Presets

Specify final responsiveness in zooming for preset operations.





## 4.2.4 Iris Screen Settings

The following setting items can be configured on the [Iris screen](#).

Specifying Iris Gain

(1) Specifying Auto Iris Gain

**Top**

(2) Specifying Remote Iris Gain

**Top**

Specifying Iris Torque

**Top**

Iris Compensation ON/OFF

Iris Close Detection ON/OFF

Focus Demand Iris Control ON/OFF

Items labeled **Top** can also be modified from the [Top screen](#).

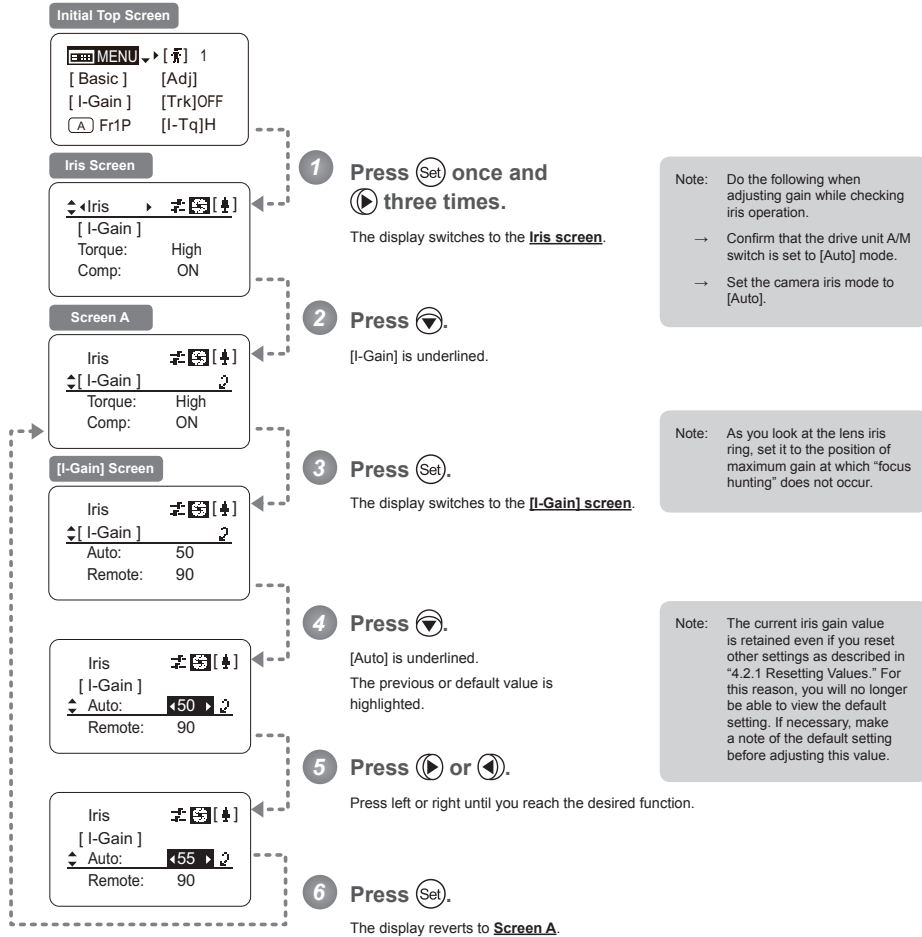
## Specifying Iris Gain

### (1) Specifying Auto Iris Gain Top

Although this value is factory-set, it can be adjusted as needed.

To adjust the value, use either the auto iris gain adjustment trimmer (refer to the Lens Manual) or display operations. Regardless of the method of adjustment used, the most recent setting takes precedence.

The same auto iris gain value applies to all users, regardless of the current user. Thus, there is no need to switch users in advance. Unlike most other setting adjustments, any changes to this setting also apply to user 0.



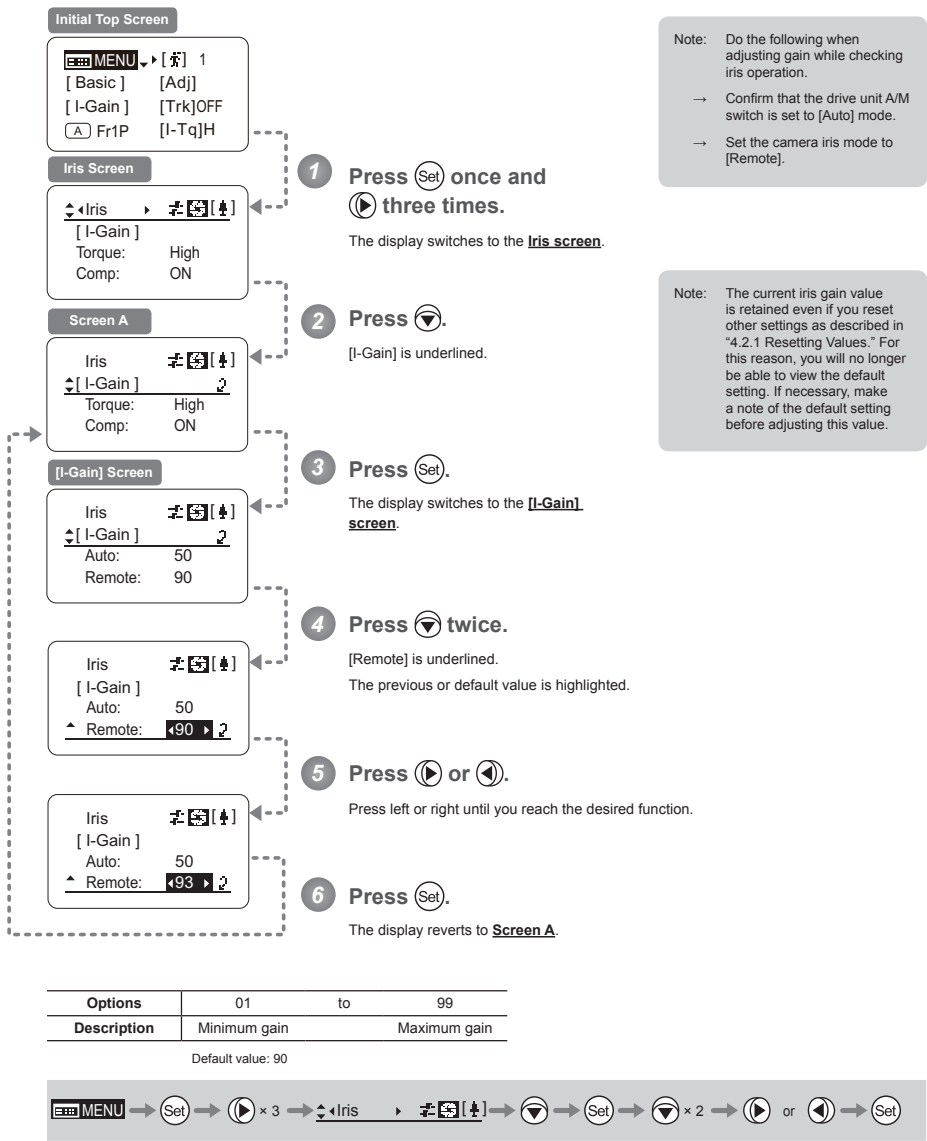
Options	01	to	99
Description	Minimum gain		Maximum gain

Default: Varies depending on the factory-set value, but corresponds to the value determined with the iris gain adjustment trimmer.



(2) Specifying Remote Iris Gain Top

Although this value is factory-set, it can be adjusted as needed.  
The same remote iris gain value applies to all users, regardless of the current user. Thus, there is no need to switch users in advance. Unlike most other setting adjustments, any changes to this setting also apply to user 0.

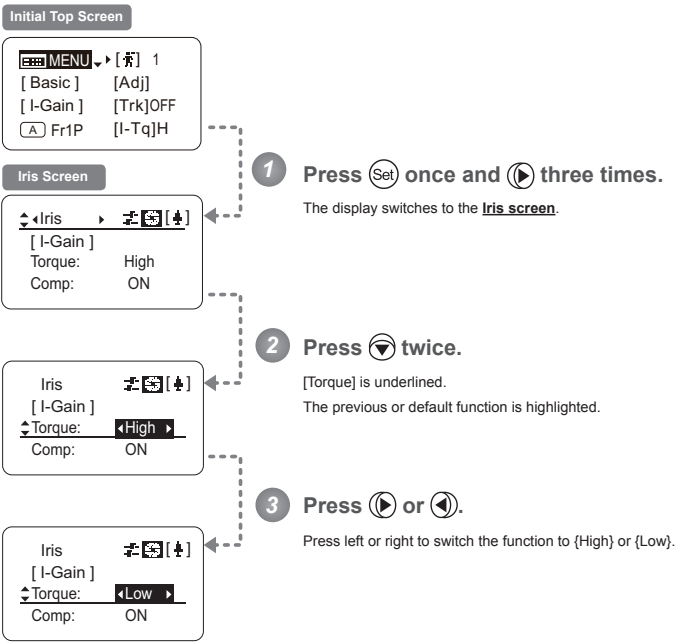


Specifying Iris Torque Top

Specify the desired level of torque in manual control of the iris ring.

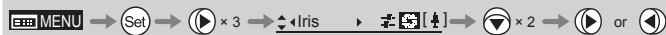
Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	<sup>(D)</sup> High	Low
Description	High torque	Low torque

(D): Default value

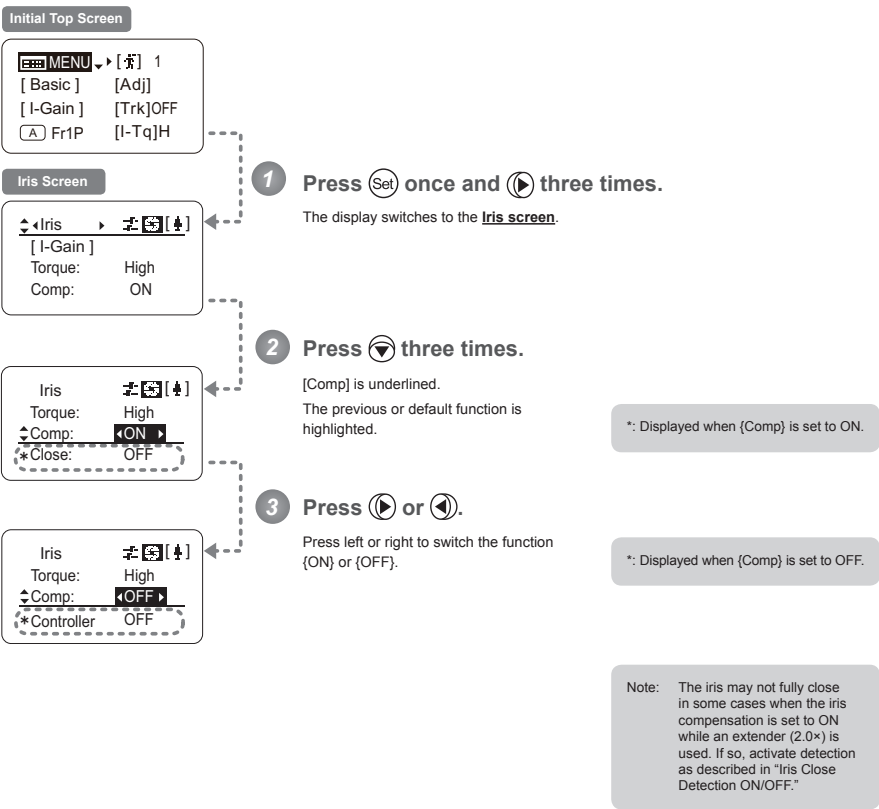


Iris Compensation ON/OFF

The amount of light decreases when an extender (2.0×) is used. You can specify a function that compensates by opening the iris by an amount equivalent to f/2.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	<sup>(D)</sup> ON	OFF
Description	Iris compensation	No iris compensation

(D): Default value

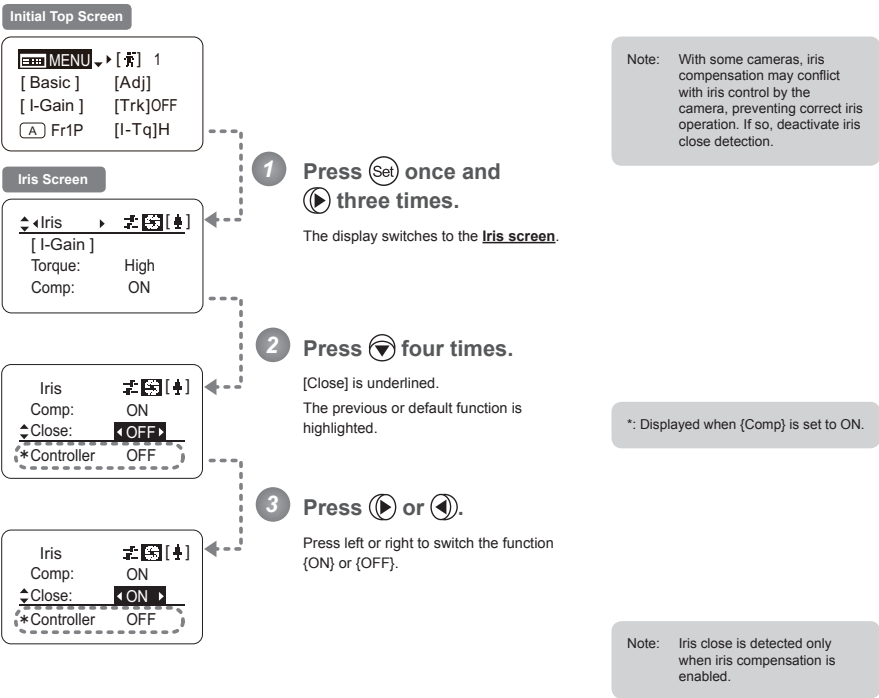


Iris Close Detection ON/OFF

The iris cannot be fully closed when correction is active and an extender (2.0×) is used. As a countermeasure, you can specify a function to detect iris close and close the iris as needed.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see “4.1.3 Switching Users” or “4.2.1 User Screen Settings: Switching Users.”)



Options	(D) OFF	ON
Description	No close detection	Close detection

(D): Default value

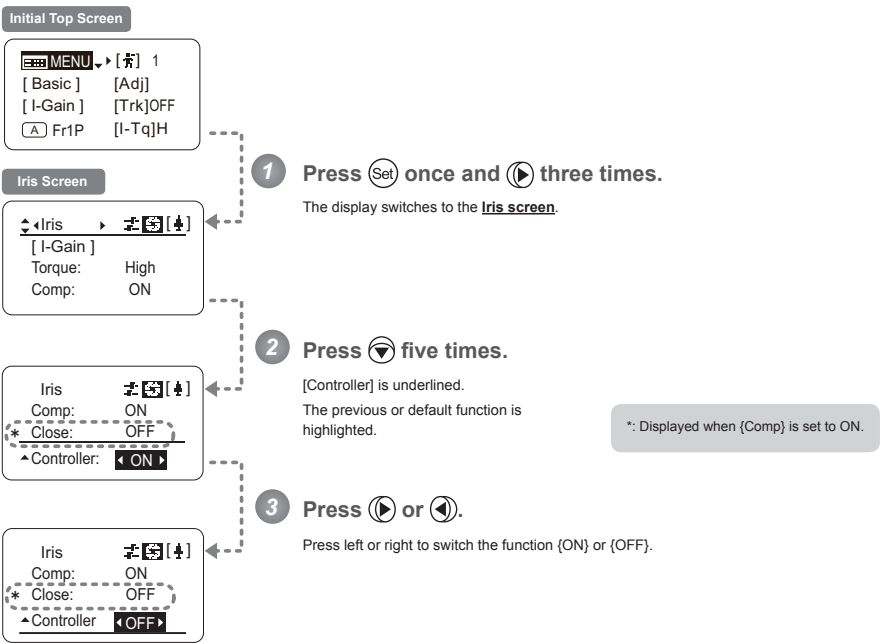


Focus Demand Iris Control ON/OFF

Iris operations using a focus demand can be switched on or off.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	ON	<sup>(D)</sup> OFF
Description	Iris controlled with focus demand	Iris not controlled with focus demand

(D): Default value



## 4.2.5 Zoom Screen Settings

---

The following setting items can be configured on the **Zoom screen**.

Zoom Tracking ON/OFF **Top**  
Specifying Zoom Servo Start Responsiveness  
Specifying Zoom Servo Stop Responsiveness  
Specifying Zoom Mechanical End Stop Responsiveness  
Specifying Seesaw Switch Responsiveness **Top**  
Specifying Analog Demand Responsiveness **Top**  
Specifying Maximum Zoom Speed Control  
Specifying Minimum Zoom Speed Control  
Specifying Servo Type from Zoom Demand  
Demand-Based Zoom Speed Adjustment ON/OFF  
Specifying Zoom Demand Specifications

Items labeled **Top** can also be modified from the **Top screen**.

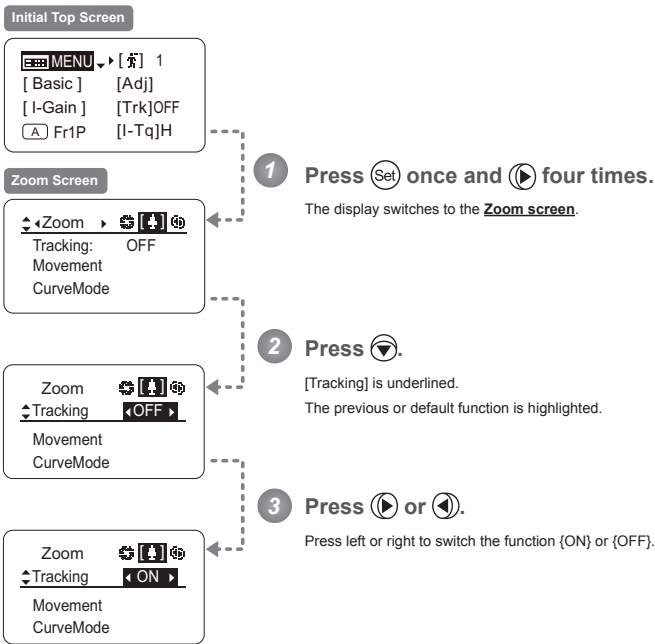


Zoom Tracking ON/OFF Top

Activate or deactivate zoom tracking as needed.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	<sup>(D)</sup> OFF	ON
Description	Zoom tracking disabled	Zoom tracking enabled

(D): Default value



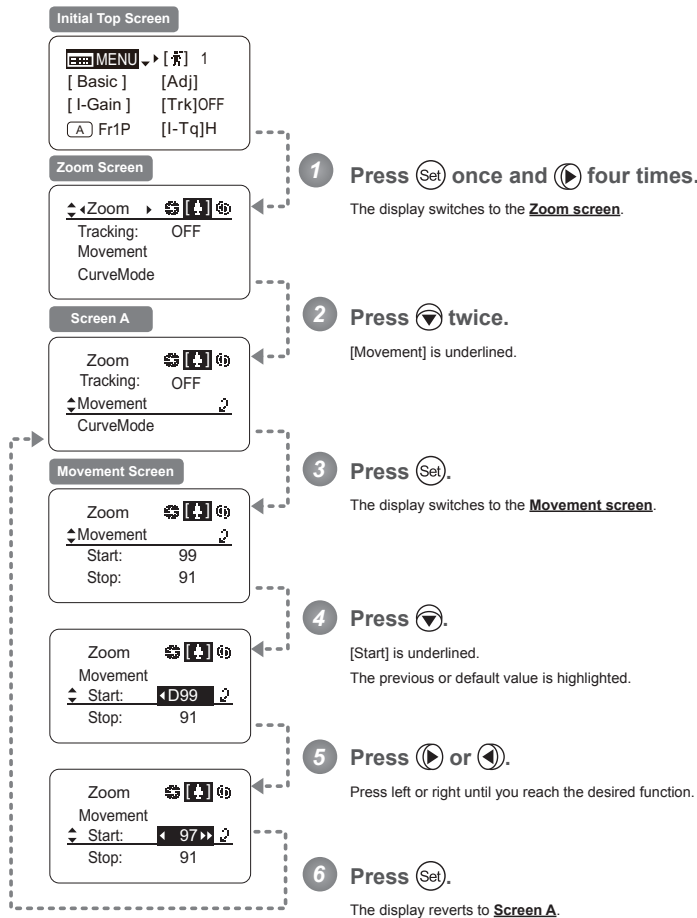
## Specifying Zoom Servo Start Responsiveness

Specify initial responsiveness in zooming (using seesaw switch, for example) as needed.

### Important

First, switch to the user for whom the settings apply.

(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	00	to	<sup>(D)</sup> 99
Description	Start gradually		Start quickly

(D): Default value

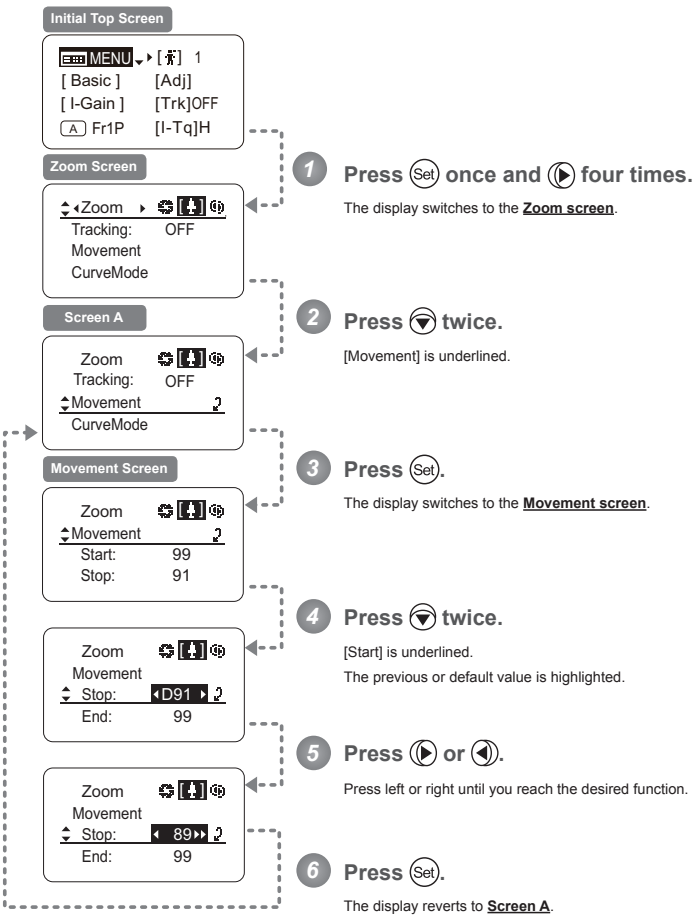


Specifying Zoom Servo Stop Responsiveness

Specify final responsiveness in zooming (using seesaw switch, for example) as needed.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see “4.1.3 Switching Users” or “4.2.1 User Screen Settings: Switching Users.”)



Options	00	to	99
Description	Stop gradually		Stop quickly

Default value: 91



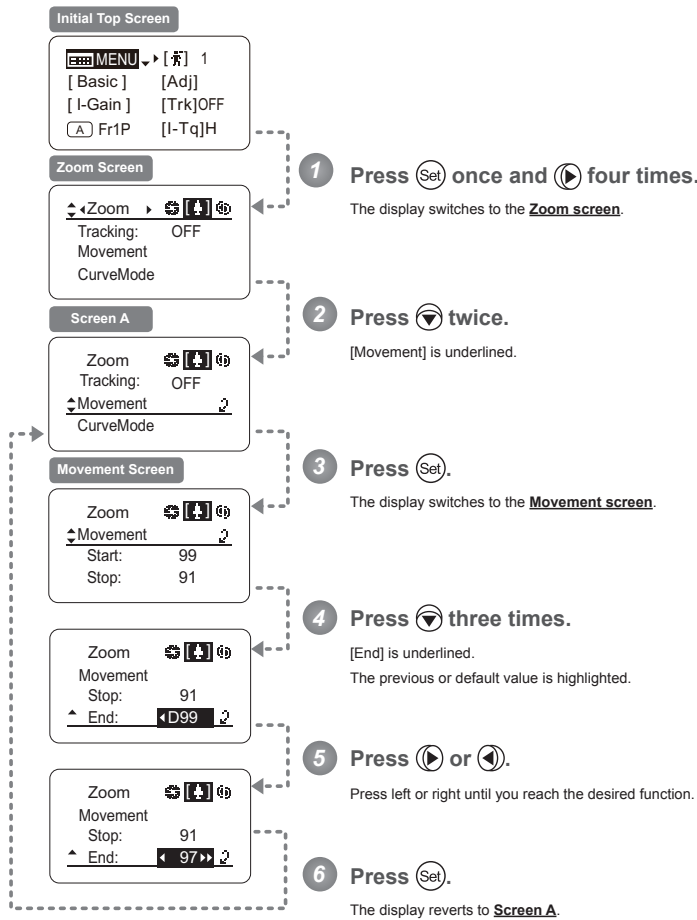
## Specifying Zoom Mechanical End Stop Responsiveness

Specify final responsiveness at the mechanical end in zooming (using the seesaw switch, for example) as needed.

### Important

First, switch to the user for whom the settings apply.

(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	00	to	(D) 99
Description	Stop gradually		Stop quickly

(D): Default value

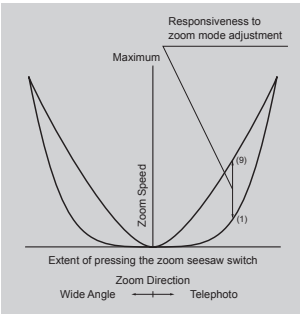
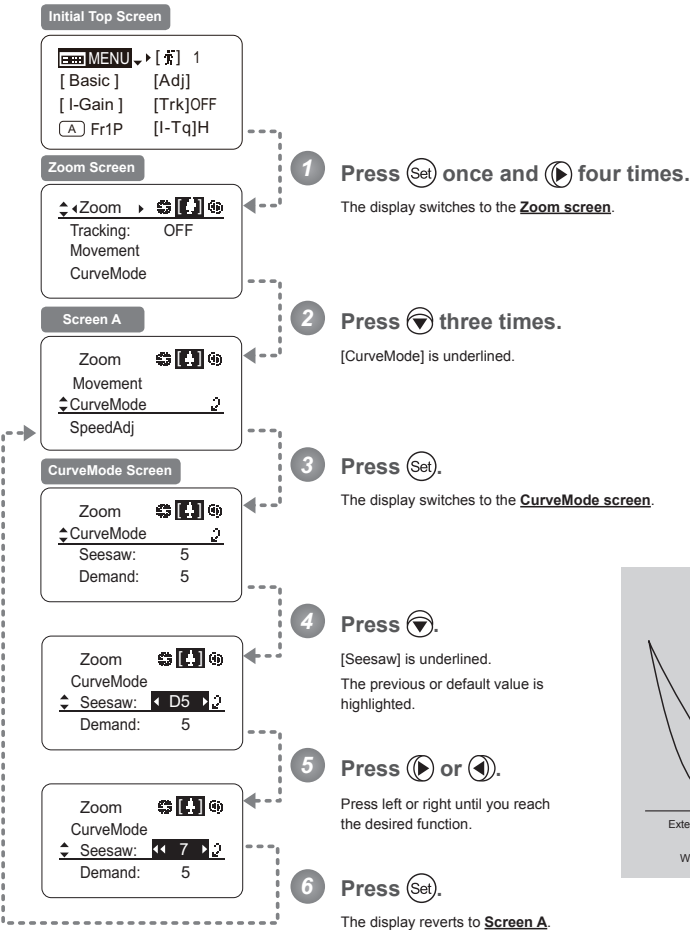


Specifying Seesaw Switch Responsiveness Top

Configure the responsiveness of zoom speed adjustment in response to pressing the zoom seesaw switch.  
(Note: Another screen is displayed when this setting is configured.)

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	1	2	3	4	(D) 5	6	7	8	9
---------	---	---	---	---	-------	---	---	---	---

(D): Default value

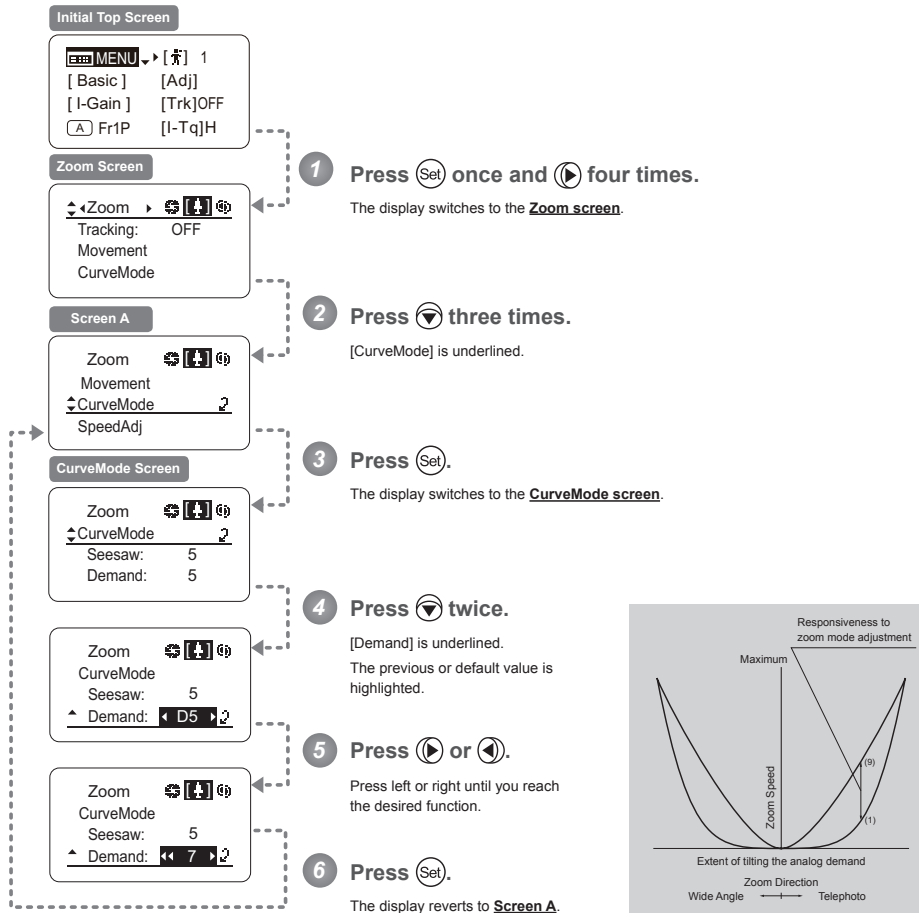


## Specifying Analog Demand Responsiveness Top

Configure the responsiveness of zoom speed adjustment in response to pressing the analog demand thumb ring.  
(Note: Another screen is displayed when this setting is configured.)

### Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	1	2	3	4	(D) 5	6	7	8	9
---------	---	---	---	---	-------	---	---	---	---

(D): Default value

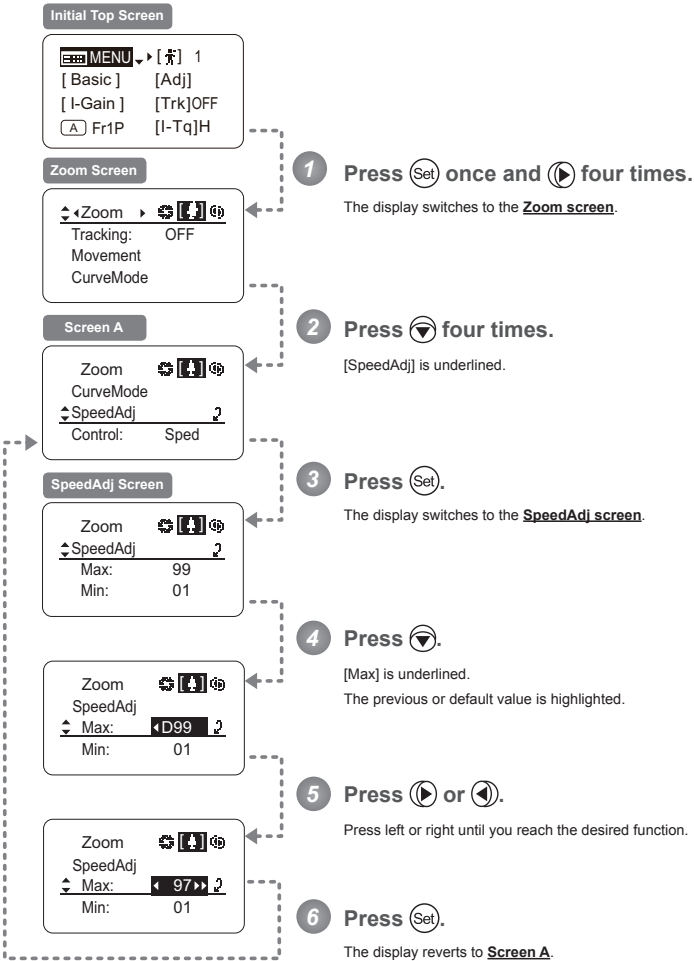


Specifying Maximum Zoom Speed Control

Specify the maximum speed to which the zoom speed can be adjusted using the drive unit knob.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	Min. value <sup>(D)</sup> 99
(D): Default value	



## Specifying Minimum Zoom Speed Control

Specify the minimum speed to which the zoom speed can be adjusted using the drive unit knob.

### Important

First, switch to the user for whom the settings apply.

(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")

#### Initial Top Screen

MENU → [F1] 1  
 [ Basic ] [Adj]  
 [ I-Gain ] [Trk]OFF  
 [A] Fr1P [I-Tq]H

#### Zoom Screen

Zoom →   
 Tracking: OFF  
 Movement  
 CurveMode

#### Screen A

Zoom   
 CurveMode  
 SpeedAdj 2  
 Control: Sped

#### SpeedAdj Screen

Zoom   
 SpeedAdj 2  
 Max: 99  
 Min: 01

Zoom   
 SpeedAdj  
 Max: 99  
 Min: D01

Zoom   
 SpeedAdj  
 Max: 99  
 Min: 03

**1 Press once and four times.**

The display switches to the Zoom screen.

**2 Press four times.**

[SpeedAdj] is underlined.

**3 Press .**

The display switches to the SpeedAdj screen.

**4 Press twice.**

[Min] is underlined.

The previous or default value is highlighted.

**5 Press or .**

Press left or right until you reach the desired function.

**6 Press .**

The display reverts to Screen A.

**Options** <sup>(D)</sup> 01–Max. value

(D): Default value

MENU → → × 4 → → → × 4 → → × 2 → or →

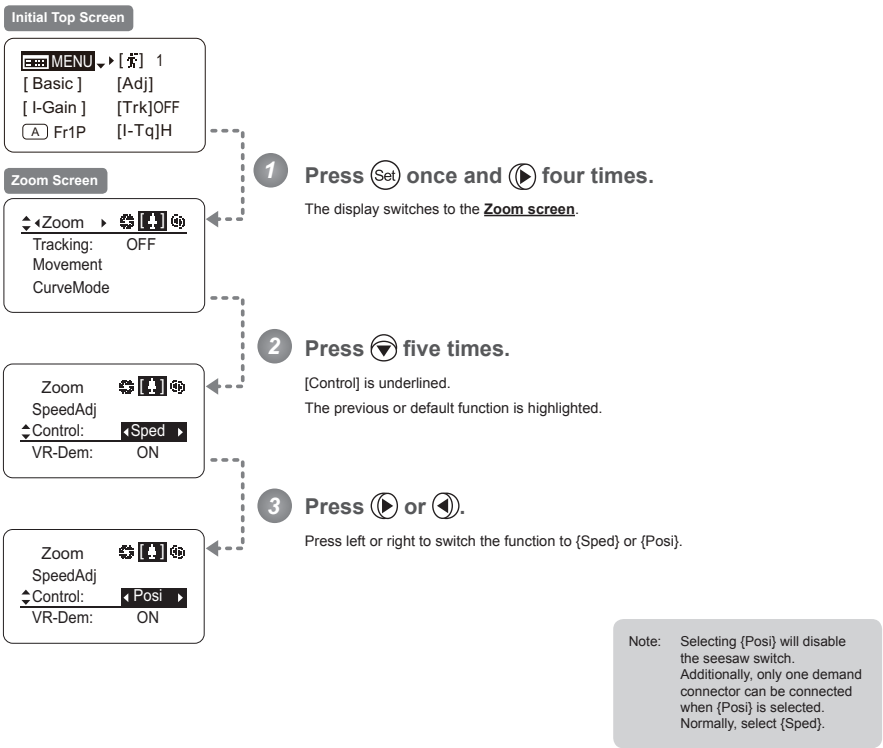


Specifying Servo Type from Zoom Demand

Specify either the speed or position servo as the type of servo to use from the zoom demand.

Important

First, switch to the user for whom the settings apply.  
(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	<sup>(D)</sup> Sped	Posi
Description	Speed servo	Position servo

(D): Default value



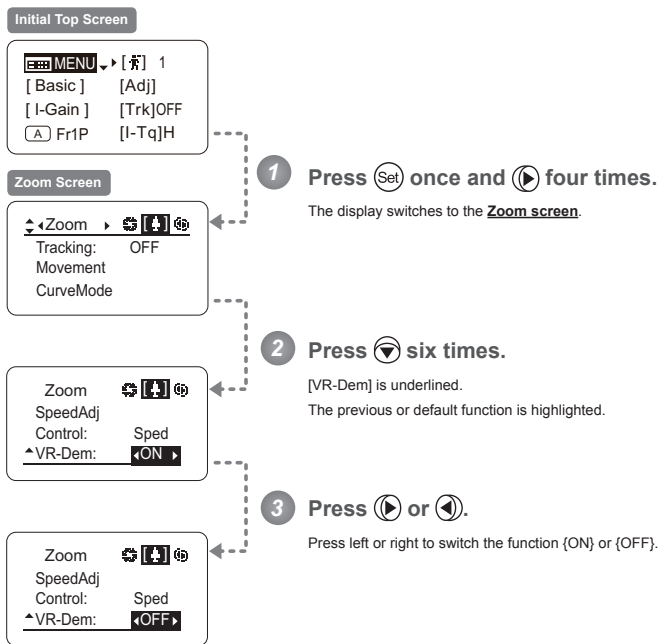
## Demand-Based Zoom Speed Adjustment ON/OFF

Enable or disable adjustment of the maximum drive unit zoom speed based on the zoom demand.

### Important

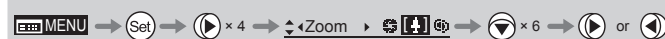
First, switch to the user for whom the settings apply.

(For instructions, see "4.1.3 Switching Users" or "4.2.1 User Screen Settings: Switching Users.")



Options	<sup>(D)</sup> ON	OFF
Description	Enabled	Disabled

(D): Default value



## 4.2.6 Focus Screen Settings

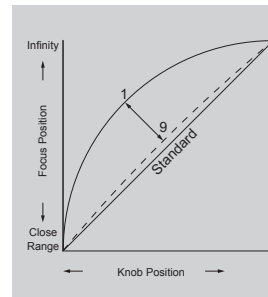
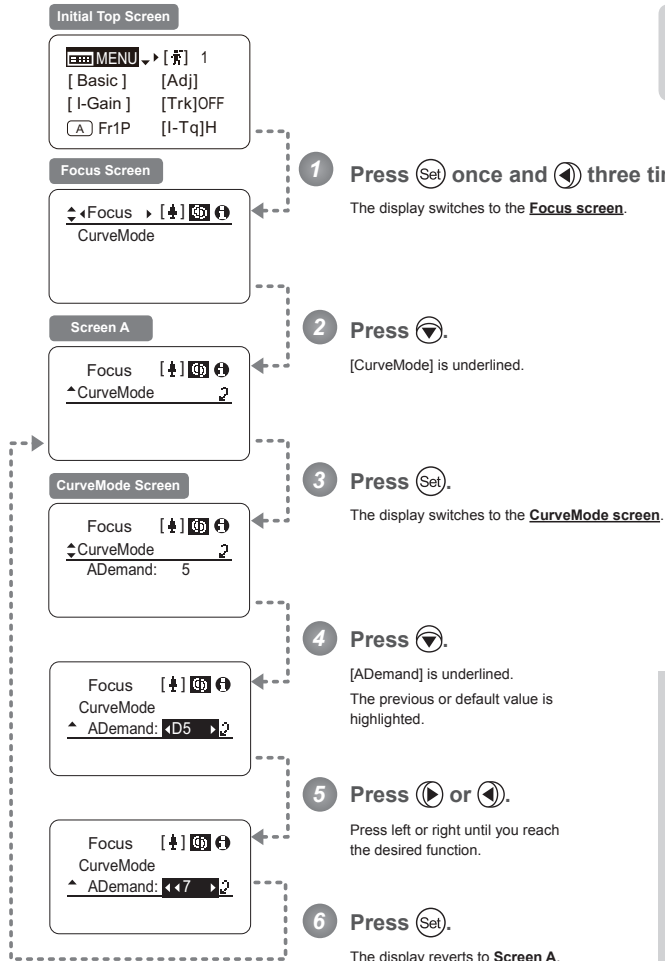
The following setting items can be configured on the **Focus screen**.

Specifying Focus Demand Responsiveness

## Specifying Focus Demand Responsiveness

Specify responsiveness in analog focus demand operations as needed.

Note: These settings take effect when the curve selection switch on the focus demand is set toward FAR.



Options	1	to	9
Description	Large curve		Small curve

Default value: 5



## 4.2.7 Info Screen Settings

The following setting items can be configured on the **Info screen**.

Checking Serial Numbers

Specifying the 3D Function (For information on specifying the 3D function, see the instruction manual of the BC-100 3D cable.)

Specifying Encoder Output

Serial Communication with Camera ON/OFF

Specifying the Input Route for Command Signals from the Camera

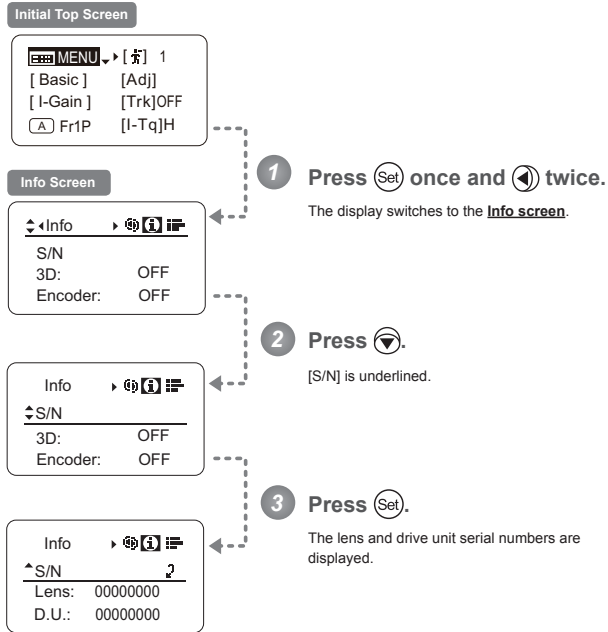
Specifying the / $\delta$  Technology Distance Unit

Checking Lens–Drive Unit Communication

Configuring Settings in System Mode (Used by Canon Service Technicians Only)

## Checking Serial Numbers

Check lens and drive unit serial numbers as needed.

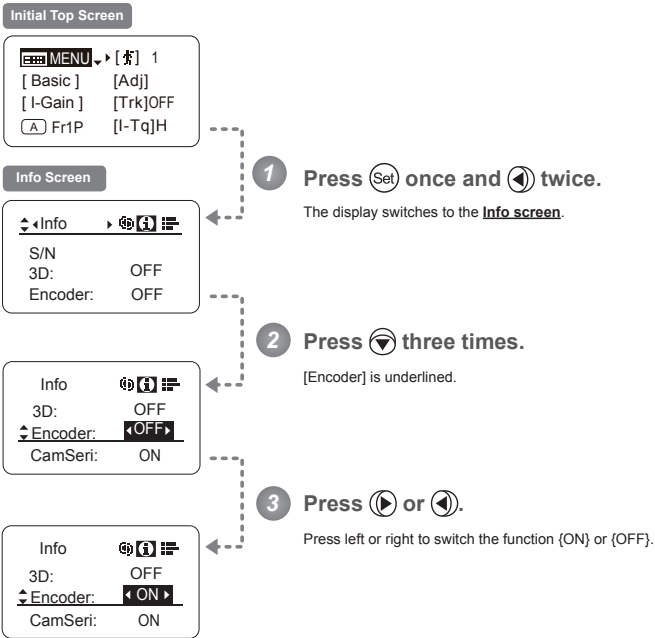


**Note:** The serial number of the lens is not displayed when no power is being supplied to the lens from the camera mount.



Specifying Encoder Output

Enable or disable encoder output as needed. Enabling output enables virtual connector output. For details, contact Canon or your dealer.



Options	<sup>(D)</sup> OFF	ON
Description	Output disabled	Output enabled

(D): Default value

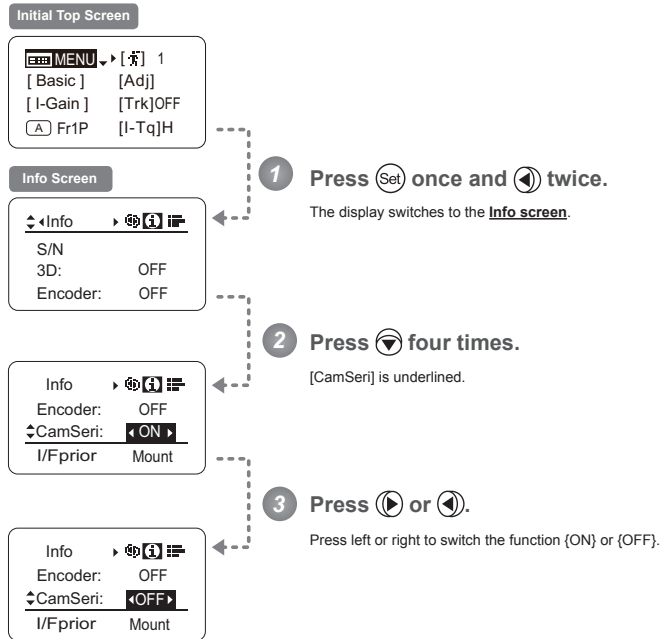


## Serial Communication with Camera ON/OFF

Two types of camera-lens interfaces are available: analog control or control via serial communication. This setting enables you to switch between auto control detection and analog control.

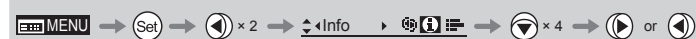
By default, this setting is ON, enabling auto detection of whether serial or analog control is used.

To restrict the interface to analog control, set it to OFF.



Options	<sup>(D)</sup> ON	OFF
Description	Serial communication with the camera Enabled	Serial communication with the camera Disabled

(D): Default value



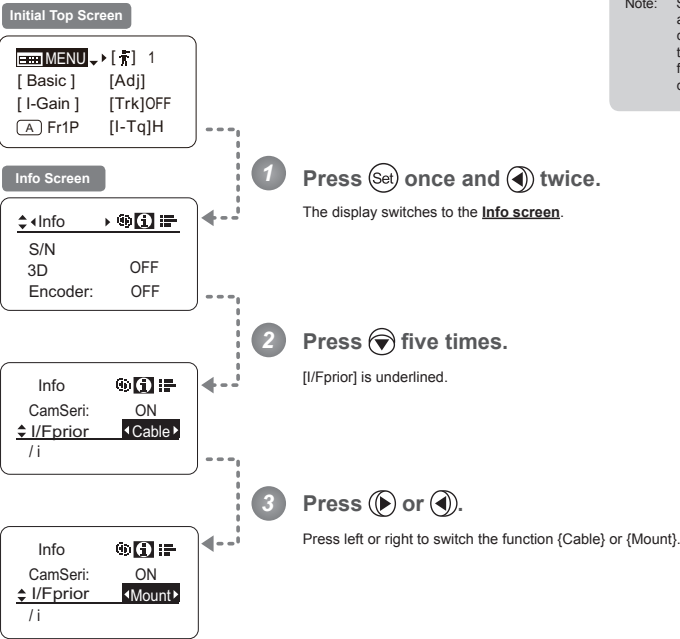


Specifying the Input Route for Command Signals from the Camera

There are two input routes for command signals from the camera: via the mount and via the 12-pin cable. This setting specifies the input route for command signals from the camera. The default setting is "Mount," and in this case command signals received via the mount are given priority.

However, the command signals via the 12-pin cable are received automatically if no command signals are input via the mount. When the "Cable" setting is selected, only command signals received via the 12-pin cable are used.

Note: Set {Mount} when using the auto focus function of the camera. (For the camera models that support the auto focus function, contact your Canon dealer.)



Options	(D) Mount	Cable
Description	Via mount	Via 12-pin cable

(D): Default value



## Specifying the $\frac{1}{i}$ Technology Distance Unit

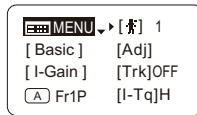
When  $\frac{1}{i}$  Technology is used (only when a PL mount camera is attached), it is possible to specify the initial setting for the unit (feet or meters) used to express distances in information sent to the camera. Accordingly, information sent for the actual subject distance, hyperfocal distance, subject distance at close range and infinity, and entrance pupil position is expressed in the specified unit.

### Note

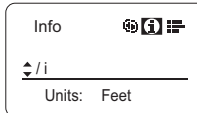
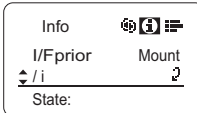
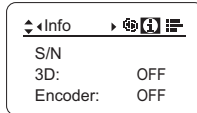
Any distance unit set on the camera takes precedence.

$\frac{1}{i}$  is trademark of Cooke Optics Limited.

#### Initial Top Screen



#### Info Screen



1 Press **Set** once and **Left Arrow** twice.

The display switches to the **Info screen**.

2 Press **Down Arrow** six times.

/ i is underlined.

3 Press **Set**.

4 Press **Down Arrow**.

[Units] is underlined.

The previous or default value is highlighted.

5 Press **Right Arrow** or **Left Arrow**.

Press left or right to switch the function {Feet} or {Meters}.

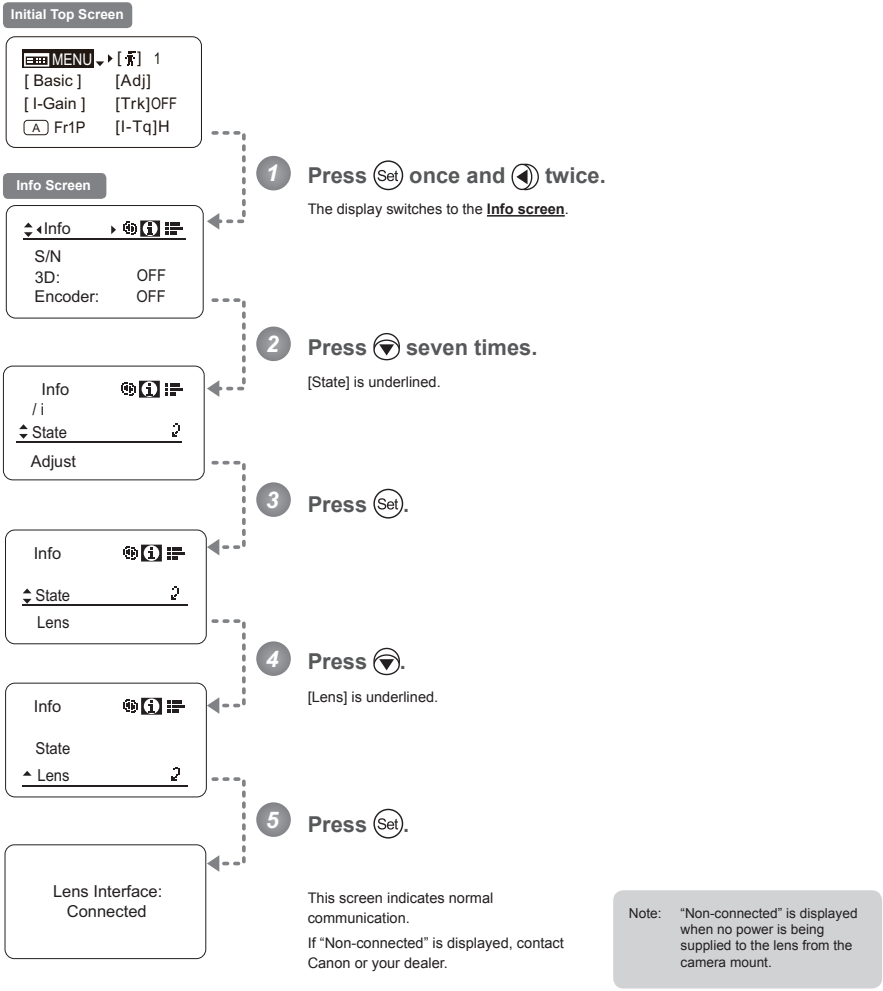
Options	<sup>(D)</sup> Feet	Meters
Description	Expressed in feet	Expressed in meters

(D): Default value



Checking Lens–Drive Unit Communication

View the status of communication between the lens and drive unit as follows.



## 4.2.8 Fol. Screen Settings

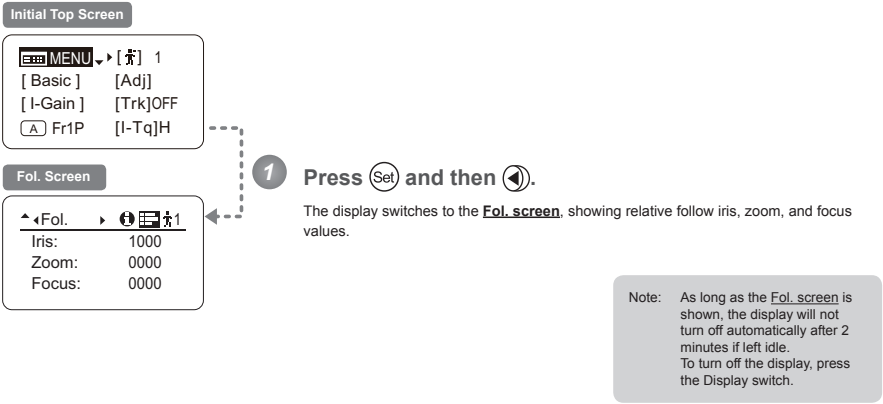
---

The following setting items can be configured on the Fol. screen.



Viewing Lens Follow Settings (Iris, Zoom, Focus)

Viewing Lens Follow Settings (Iris, Zoom, Focus)

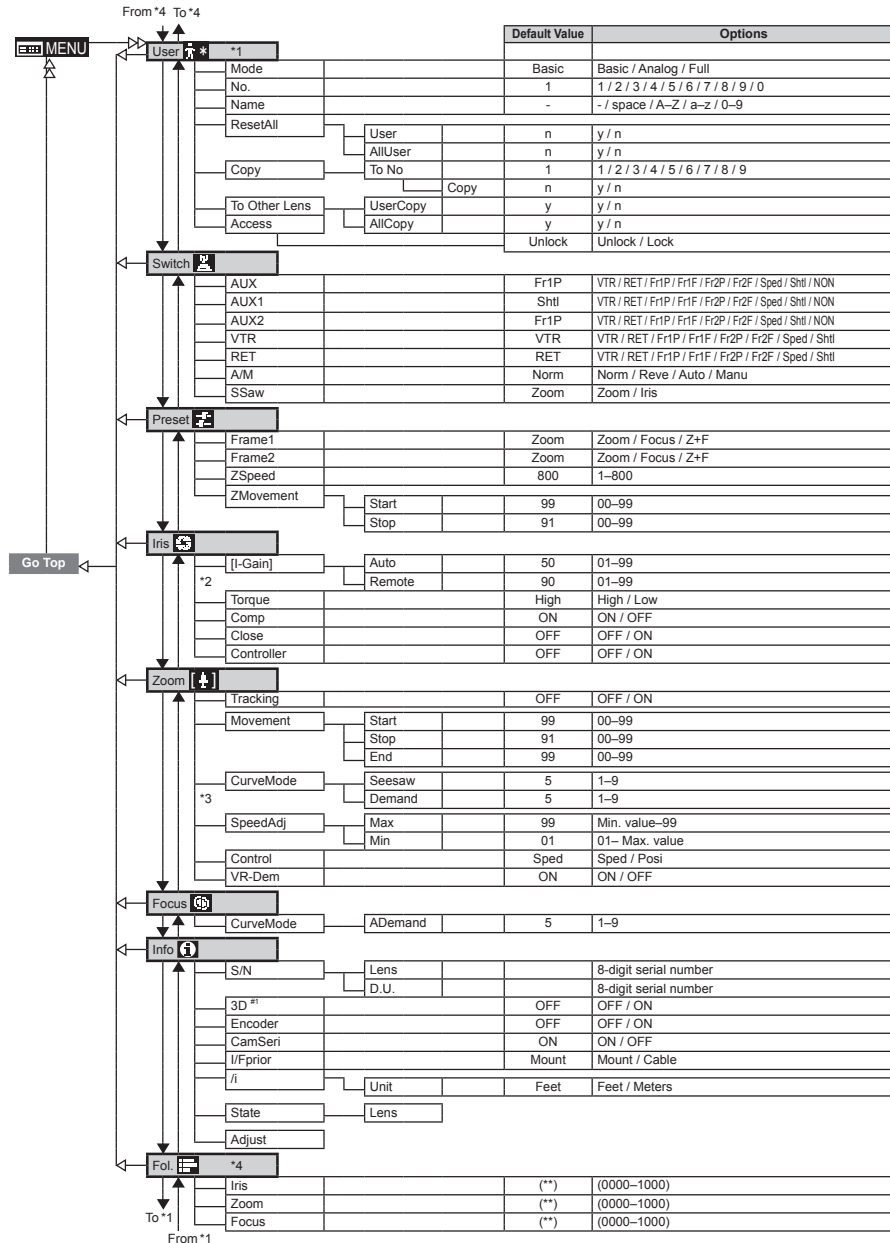
Indicates values in the full range of mechanical iris, zoom, and focus operations, expressed as relative values in the range of 0–1000.



## 4.3 List of Settings

		Default Value	Options
Top			
	MENU		To *1 on the next page
	[  ,]	1	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 0
	[Basic]	Basic	Basic
	[Adj.]	n	n / y
	[I-Gain]		
			To *2 on the next page
	[Trk]	OFF	OFF / ON
	[A]	Fr1P	VTR / RET / Fr1P / Fr1F / Fr2P / Fr2F / Sped / Shtl / NON
	[I-Tq]	H	H / L
	[A 1]	Shtl	VTR / RET / Fr1P / Fr1F / Fr2P / Fr2F / Sped / Shtl / NON
	[V]	VTR	VTR / RET / Fr1P / Fr1F / Fr2P / Fr2F / Sped / Shtl
	[A 2]	Fr1P	VTR / RET / Fr1P / Fr1F / Fr2P / Fr2F / Sped / Shtl / NON
	[R]	RET	VTR / RET / Fr1P / Fr1F / Fr2P / Fr2F / Sped / Shtl
	[Z.M.]		
			To *3 on the next page
	[  ,]	Zoom	Zoom / Iris
	[AM]	Norm	Norm / Reve / Auto / Manu
Escape Operation	Jump to user 0 setting status	Hold down both the Display switch and Set key for at least 2 seconds.	

#### 4. Operation in Full Mode



⏪ : Set key operation    ⏩ : Right key operation    ( ) : Indicates values that cannot be changed.  
 ⏴ : Up key operation    ⏵ : Left key operation    #1 : For information on specifying the 3D communication, see the "3D Cable Instruction Manual."

# 5

## Operation in Analog Mode

---



## 5. Operation in Analog Mode

### 5.1 Configuration from the Top Screen

To access the **Top screen**, press the Display switch.

A total of 3 items can be configured on the **Top screen** in Analog mode. The first screen displayed is referred to as the **Initial Top screen**. Status of some items can be checked simply by accessing this screen.

#### Initial Top Screen in Analog Mode

A screenshot of the initial top screen in analog mode. It features a small icon of a screen with a grid pattern to the left of the word 'MENU'. To the right of 'MENU' is a small downward-pointing arrow. Further right is the text 'IG: 50'. Below these elements, the text '[ Basic ]' is displayed.

MENU ▾ IG: 50  
[ Basic ]

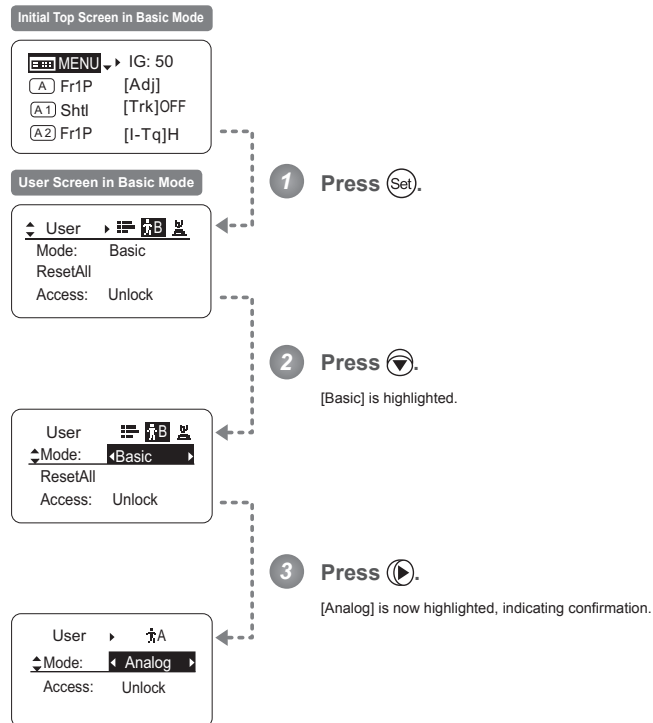
### 5.1.1 Selecting Analog Mode

Basic mode is the default mode, but Analog mode can be accessed as follows.

Use this mode for operation of a conventional analog drive unit. Digital functions are not available in this mode.

- Switches labeled VTR, RET, IRIS A/M, and IRIS INST control the respective functions. The rocker switch serves as a regular zoom switch.
- AUX and MEMO switches are disabled.
- To set auto iris gain adjustment, use either display or trimmer operations.
- Shuttle shot, frame preset, speed preset, and zoom tracking are not available.

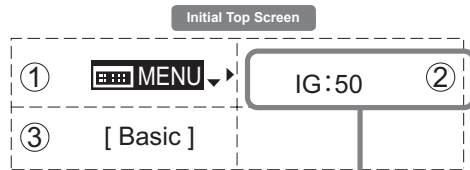
#### Switching from Basic to Analog Mode




MENU → Set → Down Arrow → Right Arrow → [Analog]


## 5.1.2 Top Screen

A total of 3 items can be configured on the **Top screen** in Analog mode, as shown on the **Initial Top screen**. Status of some items can be checked simply by accessing this screen. (Shown in the figure below.<sup>\*1</sup>)



<sup>\*1</sup>

Inside : Items that show the current setting status.  
Example: [IG:50] indicates a value of 50 for auto iris gain.

- 
- ①  **Menu screen**  
See "5.2 Configuration from the Menu Screen."
- 
- ② IG **Auto iris gain**  
Adjust the auto iris gain value as needed.  
See "5.1.3 Specifying Auto Iris Gain."
- 
- ③ [Basic] **Switching to Basic Mode**  
Switch to Basic mode as needed.  
See "5.1.4 Switching to Basic Mode."
-

### 5.1.3 Specifying Auto Iris Gain

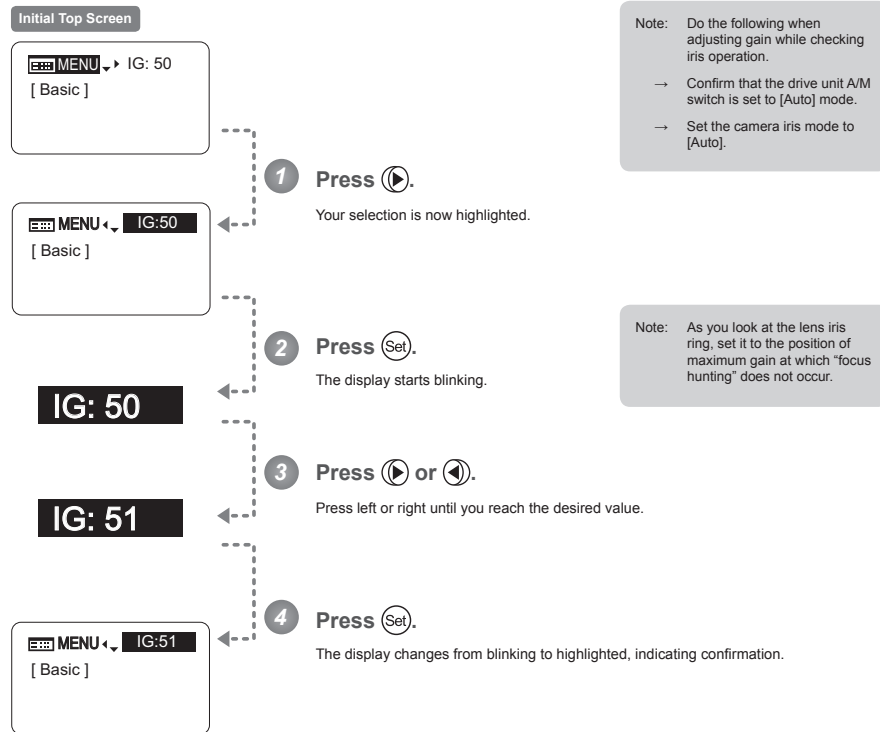
[IG]

Although this value is factory-set, it can be adjusted as needed.

To adjust the value, use either the auto iris gain adjustment trimmer (refer to the Lens Manual) or display operations.

Regardless of the method of adjustment used, the most recent setting takes precedence.

The same auto iris gain value applies to all users.



Options	01	to	99
Description	Minimum gain		Maximum gain

Default: Varies depending on the factory-set value, but corresponds to the value determined with the iris gain adjustment trimmer.



## 5.1.4 Switching to Basic Mode [Basic]

Switch to Basic mode from the **Top screen** as needed.

### Switching from Analog to Basic Mode

Initial Top Screen in Analog Mode



1 Press .

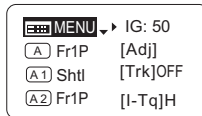
[Basic] is highlighted.



2 Press .

The mode switches, and the **Initial Top screen** in Basic mode is displayed.

Initial Top Screen in Basic Mode



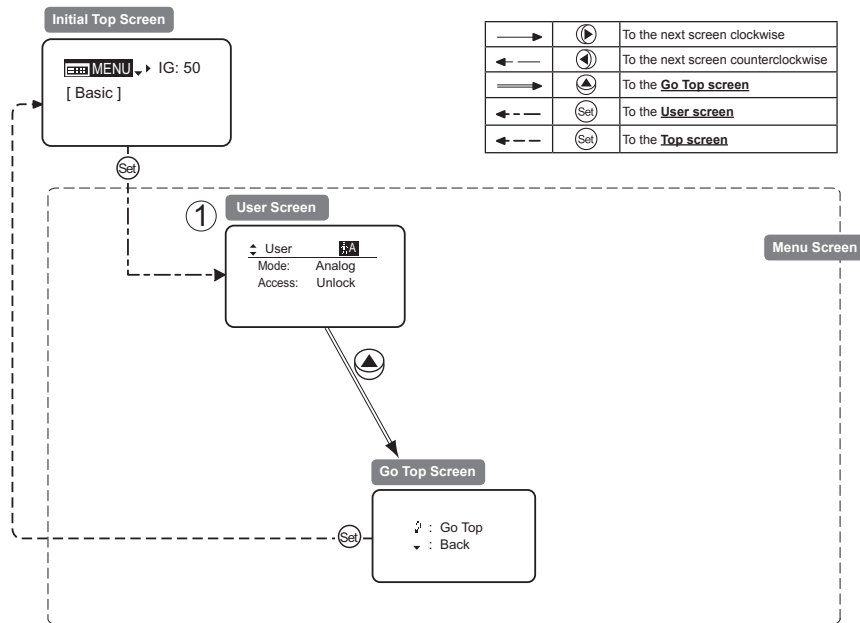
## 5.2 Configuration from the Menu Screen

In Analog mode, you can view and configure 2 setting items from the **Menu screen**.\*

From the **Menu screen** in Analog mode, you can access a **User screen**.

Select [MENU] on the **Top screen** and press the Set key to access the **User screen**. (See the following figure.)

\*: There is no single **Menu screen**. Instead, screens accessed by selecting [MENU] and pressing the Set key are collectively referred to as the **Menu screen**.



①	User Screen.....	5.2.1
---	------------------	-------

## 5.2.1 User Screen Settings

---

The following setting items can be configured on the User screen.

Switching Modes

Locking Functions

### User Screen in Analog Mode

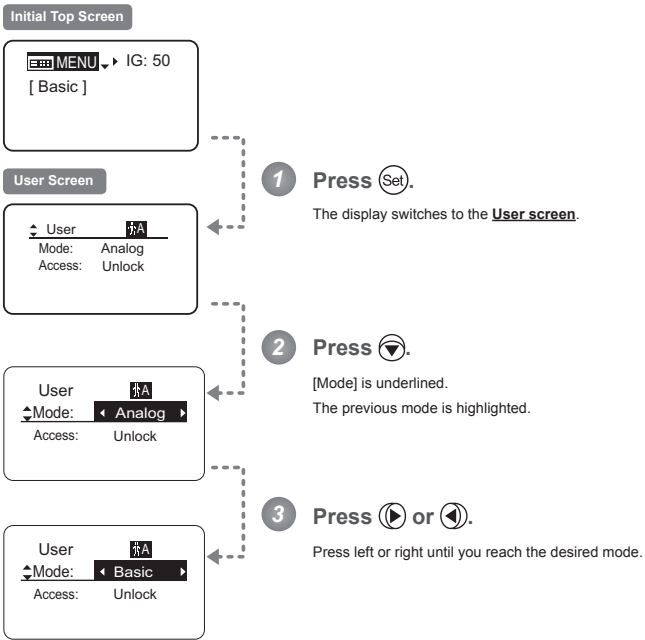
↕ User	WA
Mode:	Analog
Access:	Unlock

Switching Modes

Switch to Basic or Full mode, as needed.

Important

The new mode setting is retained even after the lens is turned off.



Options	<sup>(D)</sup> Basic	Full	Analog
Save Settings	Basic Mode	Full Mode	Analog Mode

(D): Default value



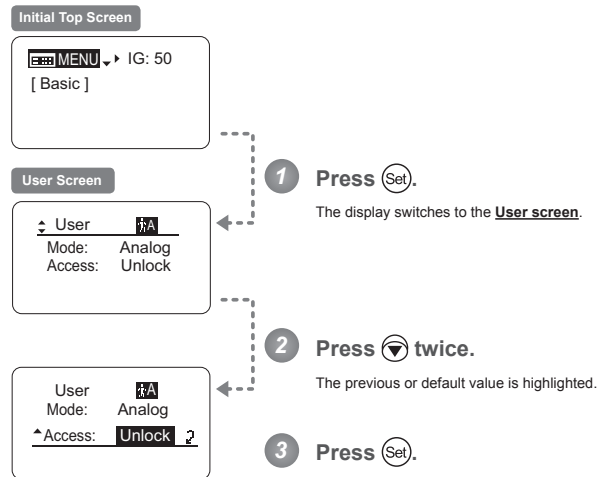


## Locking Functions

To ensure that configured functions cannot easily be changed, you can lock the settings of certain functions. Once functions are locked, they are locked for all users.

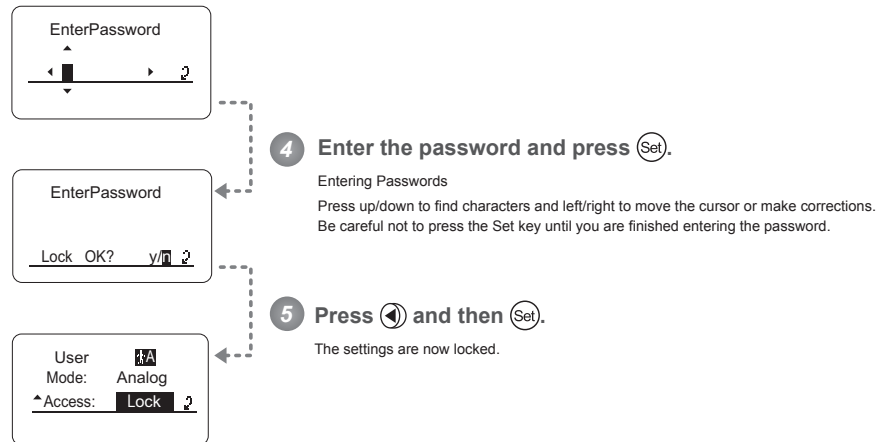
Two display operations are available in Analog mode: auto iris gain adjustment and user switching. However, you cannot switch users when functions are locked, because this function is also locked. Unlocking functions requires the password used to lock them.

### (1) Locking Settings



Continued on next page

Continued from previous page



### Note

#### Passwords

No master password is used on this model. The password you enter each time to lock settings is the password used to unlock them. For this reason, we recommend making a note of the password each time. If you forget the password, contact Canon or your dealer. Passwords can be blank or up to 8 digits.

#### Characters supported in passwords

Options	(D) _-ABCDEFGHIJKLMN OPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789
Max. Digits	8

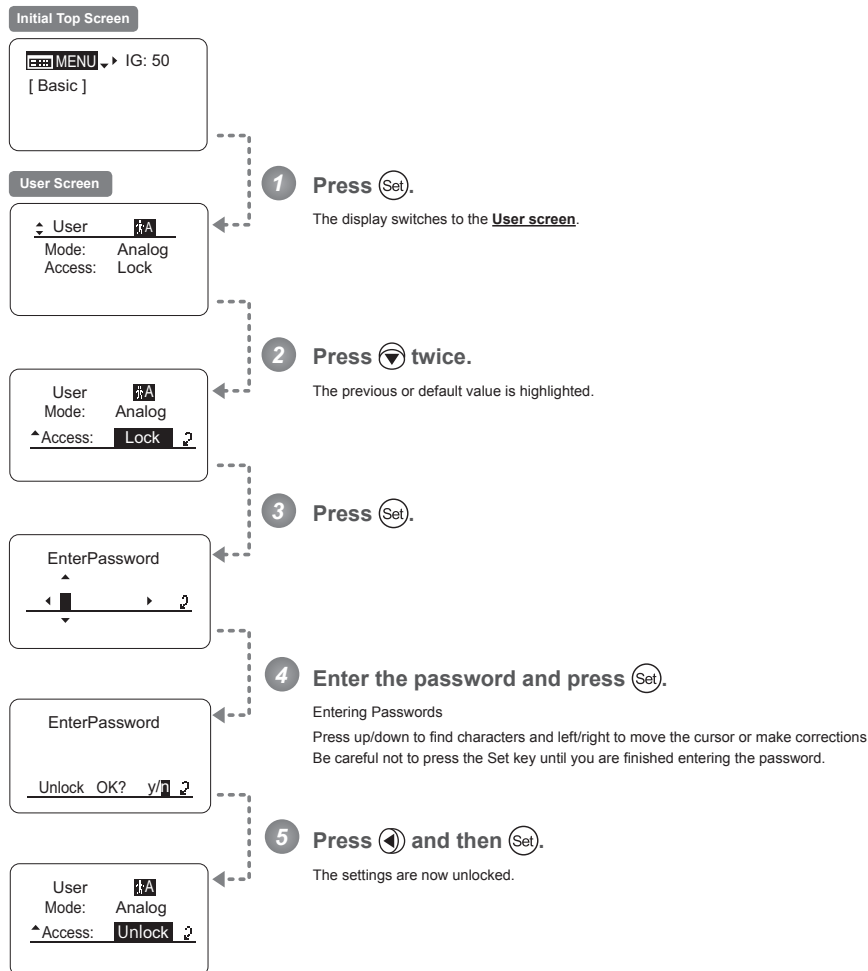
(D) : Default value  
\_ : Space

Options	(D) Unlock	Lock
---------	------------	------

(D): Default value



## (2) Unlocking Settings



Options	(D) Unlock	Lock
---------	------------	------

(D): Default value

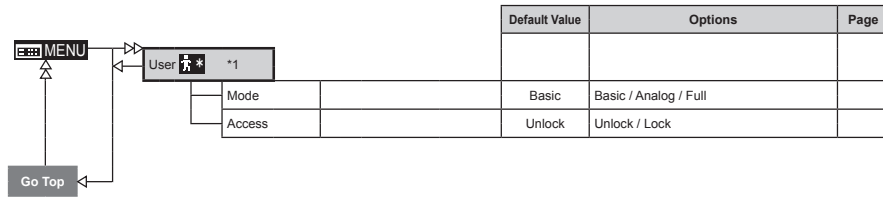


## 5.3 List of Settings

		Default Value	Options	Page
Top				
	MENU		To *1 on the next page	
	IG	50	01~99	
	[Basic]		Basic	

Escape Operation	Jump to user 0 setting status	Hold down both the Display switch and Set key for at least 2 seconds.	
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## 5. Operation in Analog Mode



Default Value	Options	Page

⏪ : Set key operation	⏴ : Right key operation
⏩ : Up key operation	⏵ : Left key operation