
VariCam ROP Operation Guide

CONTENTS

■ Introduction.....	2
■ Control Panel Operation	12
■ HOME Screen	16
■ TC Screen	19
■ INFO Screen	22
■ FPS Screen.....	24
■ COLOR Screen	28
■ Slope (CDL) Screen	30
■ LOAD / SAVE (CDL) Screen	32
■ File Name Input (CDL) Screen.....	34
■ SHUTTER Screen	36
■ EI Screen	40
■ SYSTEM MODE Screen.....	42
■ CAM INDEX & REEL CNT Screen	44
■ DAILIES Screen	46
■ CHAR EDIT Input (WATER MARK) Screen.....	46
■ AUDIO Screen.....	49
■ USER SWITCHES Screen	52
■ WHITE Screen	55
■ SIX USER BUTTONS Screen.....	60

■ INTRODUCTION

■ Connection Procedure

To use this application, both the camera recorder and iOS device need to be set up.

Setting Up the Camera Recorder

Please refer to the Operating Instructions of camera recorder to set the following settings.

Depending on the model of camera recorder, the names of setting items may be different.

Setting of User Account Name and Password

- Set the user account name and the password at
[PERIPHERAL] → [NETWORK FUNC] → [USER ACCOUNT].

<Note>

As the factory default settings, the user account name “guest” and password “p2guest” are already registered.

Wireless LAN Settings

- Set [PERIPHERAL] → [WIRELESS PROPERTY] → [TYPE] to [DIRECT].
And then set the other items under [WIRELESS PROPERTY] as necessary.
- Set [PERIPHERAL] → [NETWORK SEL] to [WLAN].

Wired LAN Settings

- Set the settings at
[PERIPHERAL] → [LAN PROPERTY] so that they are suitable for your network environment.
- Set [PERIPHERAL] → [NETWORK SEL] to [LAN].

<Note>

Depending on the network environment, the communication may be unstable. In this case, VariCam ROP App may be unable to communicate with the camera recorder correctly.

If your network environment only consists of a camera recorder and an iOS device, set [DHCP SERVER] to [ENABLE] at [WIRELESS PROPERTY] or [LAN PROPERTY] on the camera recorder so that the IP address can be assigned to the iOS device.

Setting Up the iOS Device

Set the settings for this application as necessary on the iOS device.

1. Select [Settings] on the Home screen of iOS device.
2. Select [VariCam ROP] from the list at the left side of the Settings screen.
3. The settings screen for this application will be displayed. So, set the settings as necessary.

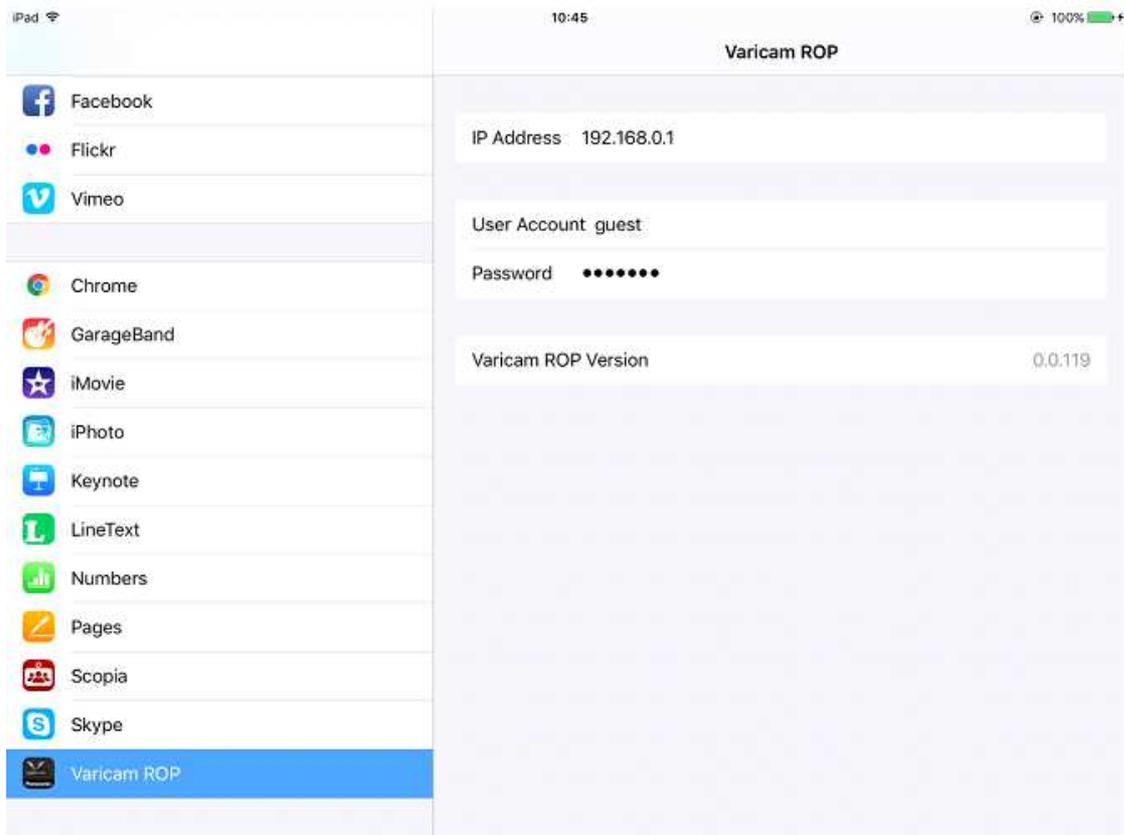


FIGURE 1. VariCam ROP Settings Screen

- IP Address

Enter the IP address that is set on the camera recorder.

(Camera Recorder: [PERIPHERAL] → [WIRELESS PROPERTY] → [IP ADDRESS]; Enter this value.)

<Note>

On the camera recorder, if [PERIPHERAL] → [WIRELESS PROPERTY] → [DHCP SERVER] is [ENABLE], the address does not need to be set.

- User Account

Enter the user account name that is set on the camera recorder.

<Note>

When the User Account is blank, the factory default "guest" may be used.

- Password

Enter the password that is set on the camera recorder.

<Note>

When the Password is blank, the factory default "p2guest" may be used.

- Applicable OS and Devices

Supported iOS and Devices are as follows.

Support Device: iPad

OS: iOS 10.0 or later

Recommended Devices: iPad Air 2, iPad mini 4, iPhone 7, iPhone 7 Plus

Connection to the Camera Recorder

■ Wireless LAN Connection

1. Before starting this application, connect the camera recorder and iOS device via Wi-Fi.
2. Select [Settings] on the Home screen of iOS device.
3. Open the item [Wi-Fi] and set [Wi-Fi] to ON.
4. From the list of detected Wi-Fi equipment, select the camera recorder.
([PERIPHERAL] → [WIRELESS PROPERTY] → [SSID]; Select this value.)
5. If the password input screen appears, input the Wi-Fi password that is set on the camera recorder.
([PERIPHERAL] → [WIRELESS PROPERTY] → [ENCRYPT KEY]; Input this value.)
Check that the connection has been achieved.

■ Wired LAN Connection

Before starting this application, connect the camera recorder and iOS device using a LAN cable.

1. Select [Settings] on the Home screen of iOS device.
2. Check that the setting item [Ethernet] is displayed.
3. Open the item [Ethernet] and check that the IP address is suitable for your network environment.

<Note>

- This application is not allowed to control plural camera recorders at the same time.
- Plural pieces of this application software cannot be activated at a time to control one camera recorder.
- This application cannot be operated at the same time as other controllers that use the network (e.g. AK-HRP200).
- For connecting the camera recorder and iOS device via wired LAN, an adaptor that enables wired LAN connection needs to be fitted to the iOS device.

Disconnection from the Camera Recorder

■ Wireless LAN Connection

If you use the camera recorder alone, disconnect the camera recorder and iOS device from Wi-Fi connection.

1. Press HOME button on the iOS device to end this application.

(The remote control mode of camera recorder will be cancelled.)

2. Select [Settings] on the Home screen of iOS device.
3. Open the item [Wi-Fi] and set [Wi-Fi] to OFF.

■ Wired LAN Connection

If you use the camera recorder alone, disconnect the camera recorder and iOS device from LAN cable connection.

Error Messages

If an error message appears while this application is running, take action as below.

1. Run a check according to the descriptions of error messages below.
2. Press HOME button on the iOS device to return to the HOME screen, and then start this application.
3. If the message appears even after Step 2 is carried out, terminate this application completely. (Press HOME button twice on the iOS device. The list of applications in operation will be displayed, so flick up the screen of this application.)

Press the HOME button on the iOS device to return to the HOME screen. And start this application.

"Network Error Please restart"

Cause

- Wi-Fi connection has not been achieved with the camera recorder.
- The software of camera recorder is a version that does not support this application.
- The processing of connection with camera recorder has a problem.

Check

- Check that the camera recorder is turned on.
- Check if the camera recorder and iOS device is connected via Wi-Fi.
- Check if the network address on the iOS device is properly set.
- Check if the software of camera recorder is a version that supports this application.

VariCam 35/HS: Version Number 7.00-00-0.00 or later

VariCam Pure: Version Number 7.10-00-0.00 or later

VariCam LT: Version Number 22.27-00-0.00 or later

- Check that the settings for this application on iOS device and the connection settings on camera recorder are correct.
- If there is no problem with all of the above points, turn off the camera recorder and iOS device once, and then turn each of them on again to carry out the connection procedure.

"Unsupported Device!"

Cause

- The connected camera recorder is not a VariCam series.

Check

- Check that the camera connected via Wi-Fi is a VariCam series camera recorder.
- Check that the set IP address is the one to be displayed on the INFO screen of camera recorder.

"Protocol Version Mismatch!"

Cause

- The software of camera recorder is a version that does not support this application.

Check

- Check if the software of camera recorder is a version that supports this application.
- Update both of the camera recorder and VariCam ROP application to the latest version.

"Wrong User"

Cause

- A User Account not registered with camera recorder has been specified.

Check

- Check if the User Account set on VariCam ROP application corresponds to the user account name registered at USER ACCOUNT on camera recorder.

"Authentication Failed"

Cause

- A password different from the one for the User Account registered with camera recorder has been specified.

Check

- Check if the password set on VariCam ROP application corresponds to the password registered at USER ACCOUNT on camera recorder.

"Wi-Fi connection was disconnected"

Cause

- The connection with camera recorder is broken.

Check

- Check if the camera recorder is turned off.
- Check if the distance from camera recorder is too long.

<Note>

When stable communication cannot be performed due to the interference from other wireless devices around, such a condition may also cause a communication error.

This may be improved by changing the setup position or wireless channel.

Camera Recorder: [PERIPHERAL] → [WIRELESS PROPERTY] → [CHANNEL]; Use this setting to change the wireless channel.

"Communication Busy!"

Cause

- The camera recorder is in a state of being unable to accept a command.

Check

- While you are setting certain menu settings on the control panel of camera recorder, it may be unable to receive commands from VariCam ROP App. So press the HOME or VIEW button on the camera recorder to exit its setup screen, and then try again to control it using VariCam ROP App.

"Communication Error!"

"Remote Setting Mode Off"

Cause

- The communication with camera recorder has failed.

Check

- Check if the camera recorder is turned off.
- Check if the distance from camera recorder is too long.
- If there is no problem with all of the above points, turn off the camera recorder and iOS device once, and then turn each of them on again to carry out the connection procedure.

<Note>

When stable communication cannot be performed due to the interference from other wireless devices around, such a condition may also cause a communication error.

This may be improved by changing the setup position or wireless channel.

Camera Recorder: [PERIPHERAL] → [WIRELESS PROPERTY] → [CHANNEL]; Use this setting to change the wireless channel.

"Not Supported"

Cause

- The camera recorder is in a state of being unable to accept a setting change.

Check

- Like an operation of turning VFR off while being in HIGH SPEED mode, specific setting changes may be restricted depending on the camera recorder's setting or state of operating.

If a setting cannot be set on the camera's control panel, it also cannot be set on VariCam ROP App.

"Parse Error"

Cause

- The camera recorder cannot communicate with VARICAM ROP.

Check

- The camera recorder does not support VARICAM ROP.

Make sure if the camera recorder supports VARICAM ROP with the software version.

■ CONTROL PANEL OPERATION

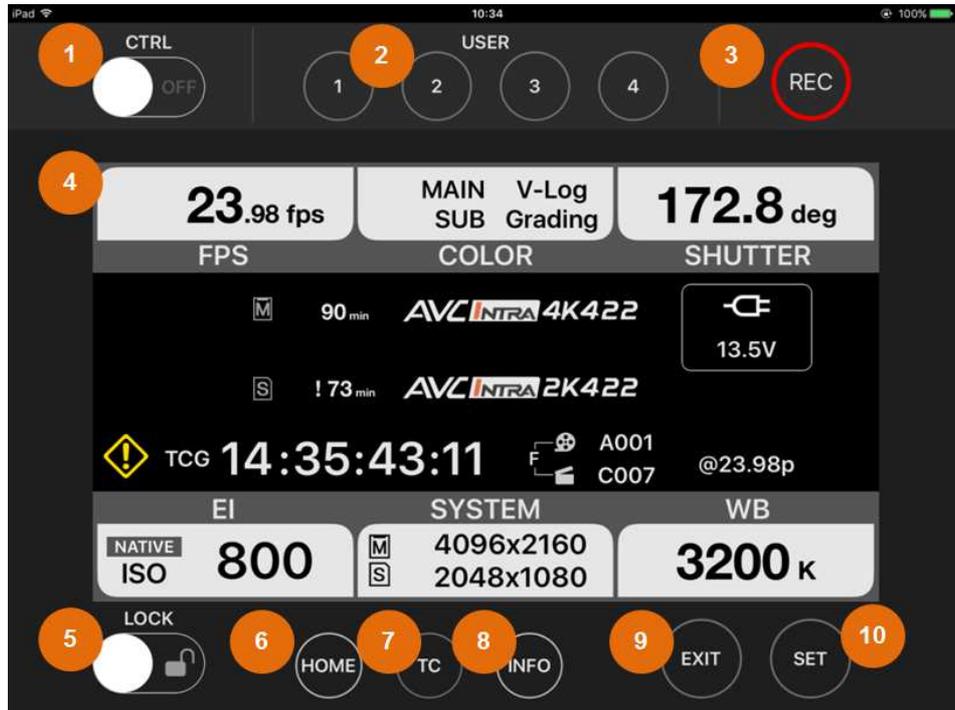


FIGURE 2. VariCam ROP Basic Screen

This is the screen VariCam ROP App displays right after it has established the connection with the camera recorder.

Operation buttons are displayed at the upper and lower areas of the screen. And the information displayed at the center is equal to the HOME screen of the connected camera recorder.

1. CTRL Switch

Tap this to enable the control of camera recorder from VariCam ROP App or to release the camera from the control.



“ON” Setting



“OFF” Setting

<Note>

Depending on the state of camera recorder, it may not accept the control.

At each setting, limitations are put on the operation of camera recorder or VariCam ROP App.

Limitations on Camera at “ON” Setting	USER1-4, LENS RET (VariCam HS only), PLAY, TC, MENU buttons Disabled SHUTTER, EI, WB toggle switches Disabled FPS, COLOR, SHUTTER, EI, SYSTEM, WB operations on HOME screen Disabled Version Upgrade, Network Setting Change, HISTORY, Format operations on INFO screen Disabled
Limitations on ROP App at “OFF” Setting	USER1-4, TC buttons Disabled FPS, SHUTTER, EI, SYSTEM, WB operations on HOME screen Disabled Operations on COLOR screen Disabled

If stable communication cannot be performed due to the interference from other wireless devices around, this CTRL Switch setting may automatically be put to “OFF”.

2. USER Buttons

These buttons work as the ones equal to USER Buttons 1 – 4 of the camera recorder.

Tapping these buttons can make the camera perform assigned functions.

VariCam LT does not have USER 4, so the App will not display it.

<Note>

If SIX USER BUTTONS, AUDIO MON VOL, AUDIO IN VOL and AUDIO MONITOR CH are assigned, each screen is displayed on VariCam ROP App.

There are some functions that cannot be controlled from ROP App such as DIRECT VOL CTRL of VariCam LT.

3. REC Button

Tap this to start or stop recording on the camera recorder.

<Note>

During a pause of recording in “ONE SHOT REC” mode, tapping this makes the recording resume, and long-tapping makes it stop.

4. Control Panel Screen Display

This is the area to display the state of camera recorder or its setup screen.

VariCam ROP App can make available the display and setup operations equal to HOME, TC, and INFO screens of the camera recorder.

Tapping or swiping each part on this Panel allows you to perform the screen transition or setup operations.

5. LOCK Switch

Set this to “ON” to disable all the operations on the screen of VariCam ROP App.



“OFF” Setting



“ON” Setting

<Note>

This is not linked with LOCK Switch of the camera recorder.

6. HOME Button

You can move to HOME screen of VariCam ROP App’s Control Panel.

7. TC Button

You can move to TC screen of VariCam ROP App's Control Panel.

8. INFO Button

You can move to INFO screen of VariCam ROP App's Control Panel.

9. EXIT Button

You can cancel the current screen and return to the previous one while operating VariCam ROP App's Control Panel.

10. SET Button

You can perform a determination operation on VariCam ROP App's Control Panel.

■ HOME SCREEN

Various kinds of information about the camera recorder are displayed.

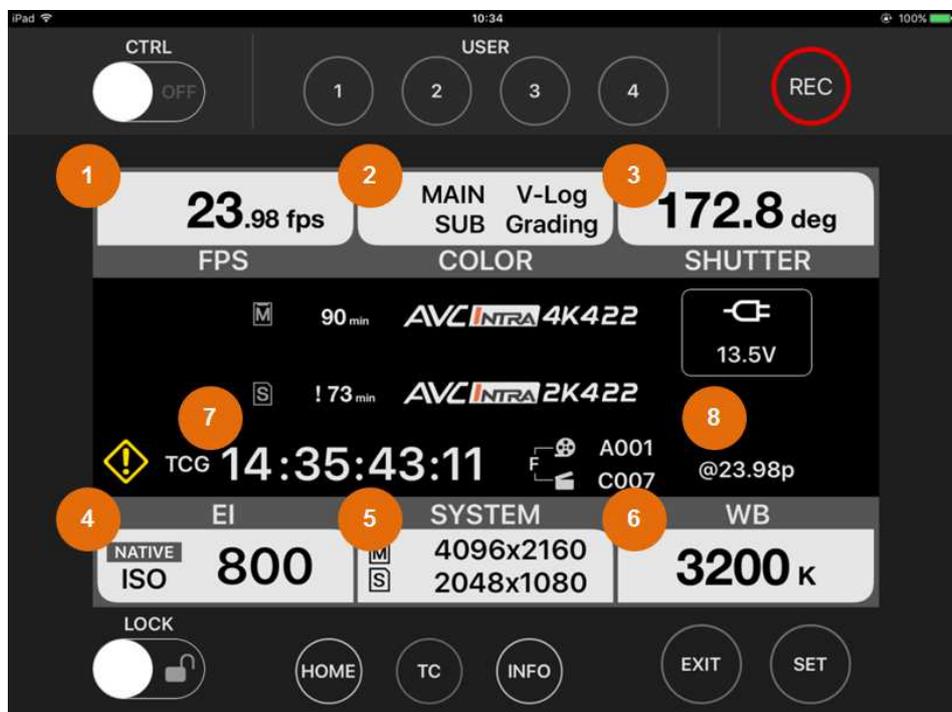


FIGURE 3. HOME Screen

<Note>

Displayed information may be updated a little later than changes to the camera recorder.

1. FPS Information Display Area

Tap this to move to FPS screen and change the setting.

<Note>

If the camera recorder is set up so that its VFR setting cannot be used, you cannot move to FPS screen.

2. COLOR Information Display Area

Tap this to move to COLOR screen and change the setting.

3. SHUTTER Information Display Area

Tap this to move to SHUTTER screen and change the setting.

4. EI Information Display Area

Tap this to move to EI screen and change the setting.

5. SYSTEM Information Display Area

Tap this to move to SYSTEM screen and change the setting.

6. WHITE Information Display Area

Tap this to move to WHITE screen and change the setting.

7. Time Code Information Display Area

The value of camera recorder's time code generator is displayed.

<Note>

If the setting for indication on the camera recorder's Control Panel is set to UB or DURATION, VariCam ROP App always displays the time cord.

While the value is changing, it does not completely synchronize with the camera recorder.

When the time code is going differently from real time (e.g. during the VFR recording), its value is not shown accurately.

The time code is updated every 2 seconds during the VFR recording.

8. LOCK Information Display Area

The LOCK setting of VariCam ROP App is indicated.

LOCK icon is displayed when the LOCK Switch of VariCam ROP App is set to "ON".



LOCK Icon

<Note>

This is not to indicate the setting of camera recorder's LOCK Switch.

■ TC SCREEN

This is the screen to set up the time code generator of camera recorder.

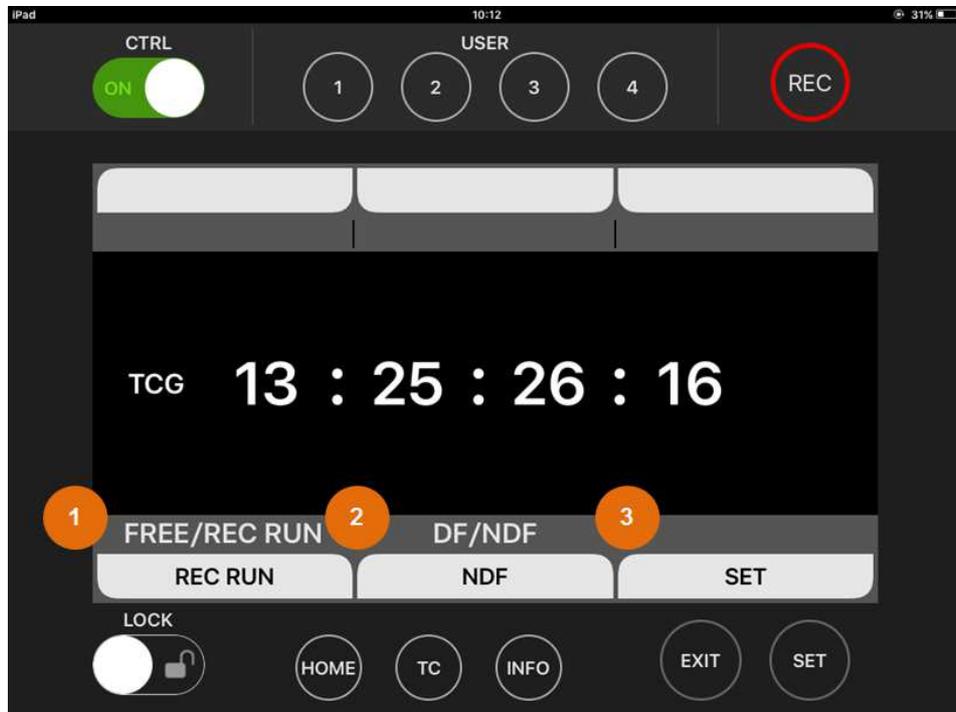


FIGURE 4. TC Screen



FIGURE 5. TC-SET Screen

1. FREE/REC RUN

Tap this to switch between FREE RUN and REC RUN.

2. DF/NDF

This is displayed only when DROP FRAME and NON DROP FRAME settings are enabled. They can be switched by tapping.

3. SET

Tap this to move to the screen for setting the value of time code generator (TC-SET screen).

4. CANCEL

Tap this to cancel the setting and return to TC screen.

5. RESET

Tap this to change the time code generator value to “00:00:00:00” on the TC-SET screen.

6. DONE

Tap this to determine the setting and return to TC screen.

7. Time Code Generator Value

By tapping the digit where you want to change the setting, you can make it a target digit for setting change.

Swipe the target digit upward or downward to change the value in it.

8. EXIT Button

Tap this to cancel the setting and return to TC screen.

9. SET Button

Tap this to move the target to its right digit.

If the target is the frame digit at the right end, the setting will be determined and you will return to TC screen.

■ INFO SCREEN

This is the screen to display various kinds of information about the camera recorder



FIGURE 6. INFO Screen

<Note>

Displayed information may be updated a little later than changes to the camera recorder.

1. DIAGNOSTICS

Tap this to display warnings, AUDIO settings, etc.

2. SWITCHES

Tap this to display the list of SWITCH information assigned to USER buttons.

<Note>

LENS RET SW (VariCam HS), USER TOGGLE, USER GRIP1 and USER GRIP2 (VariCam LT) cannot be operated from VariCam ROP App, so the information about them is not displayed.

3. VERSION

Tap this to display the firmware version of camera recorder.

4. PERIPHERAL

Tap this to display the network settings of camera recorder.

5. MEDIA

Tap this to display the information about recording media of camera recorder.

<Note>

SD card information on VariCam 35/HS is not displayed.

■ FPS SCREEN

This is the screen to set the Variable Frame Rate settings of camera recorder.

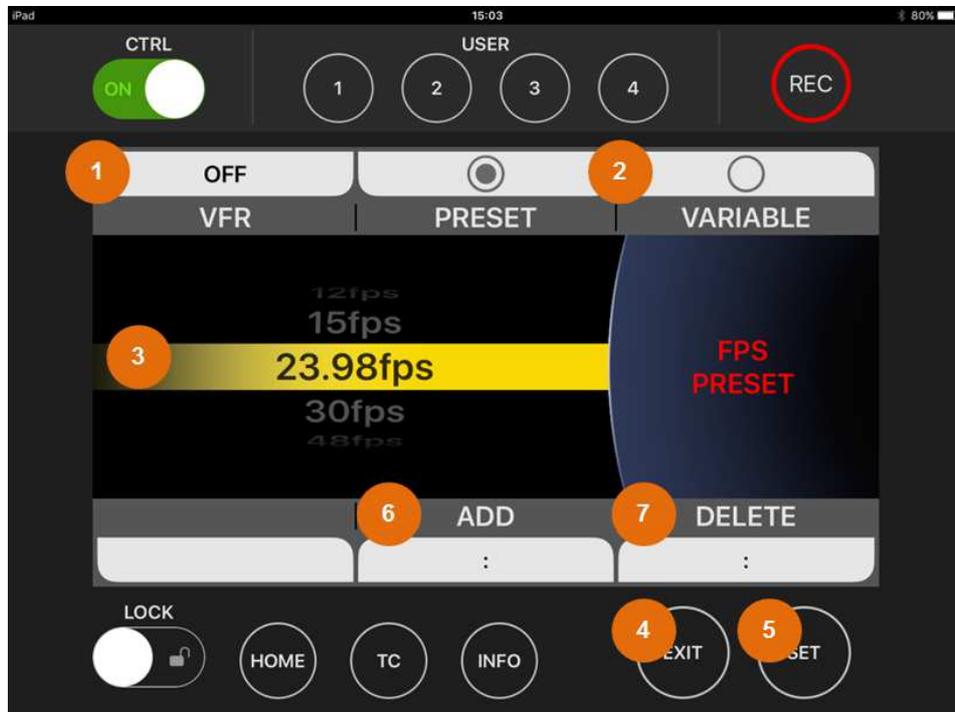


FIGURE 7. FPS Screen



FIGURE 8 FPS ADD SCREEN

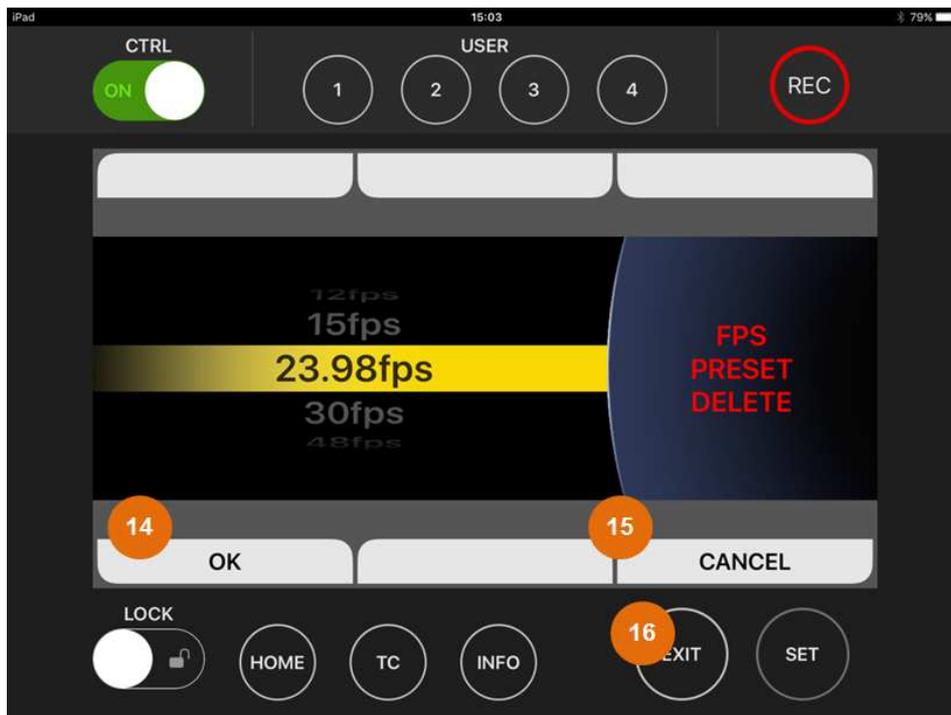


FIGURE 9 FPS DELETE SCREEN

1. VFR

Tap this to switch between ON and OFF settings for Variable Frame Rate.

2. PRESET / VARIABLE (VariCam 35/HS only)

Tap this to switch the mode in selecting a frame rate.

<Note>

VariCam ROP App does not support an operation of selecting a frame rate in VARIABLE mode.

3. Frame Rate Value

Swipe the value upward or downward to select a frame rate.

Double tap the value to determine the rate and return to HOME screen.

<Note>

A change of the value by swiping does not cause the setting on the camera recorder to change.

The camera's setting will change after the value is determined by double tapping it or tapping the SET button.

4. EXIT Button

Tap this to return to HOME screen.

5. SET Button

Tap this to determine the value and return to HOME screen.

6. ADD

Tap this to move to ADD SCREEN in the FPS SCREEN.

7. DELETE

Tap this to move to DELETE SCREEN in the FPS SCREEN.

8. MAX/MIN

Tap this to toggle the maximum value and the minimum value of ADD candidate in FPS.

9. ±TENS

Tap this to add 10 or decrease 10 to the ADD candidate value in FPS. If the new value is not available, it will be rounded.

10. ADD FRAME RATE Value

Double tap this to fix ADD candidate value in FPS and move back to FPS SCREEEN,

11. ADD FRAME RATE TWEAK Button

Tap this to increment or decrement ADD candidate value.

12. EXIT Button

Tap this to cancel ADD operation and move back to FPS SCREEN.

13. SET Button

Double tap this to finish ADD operation and move back to FPS SCREEN.

14. OK

Double tap this to finish DELETE operation and move back to FPS SCREEN.

15. CANCEL

Tap this to cancel DELETE operation in FPS and move back to FPS SCREEN.

16. EXIT Button

Tap this to cancel DELETE operation and move back to FPS SCREEN.

■ COLOR SCREEN

This is the screen to set the COLOR settings (Gamma and Gamut) of camera recorder.



FIGURE 10. COLOR Screen

1. MAIN COLOR / Grading SEL

Tap this to move to each setup screen.

<Note>

For details about the setting items and value options, please refer to the Operating Instructions of camera recorder.

2. SUB COLOR (PROXY COLOR for VariCam LT)

Tap this to switch the SUB (PROXY) COLOR setting.

3. 3D LUT / CDL / MON SET (3D LUT/CDL/SDI SET for VariCam LT)

Tap this to move to each setup screen.

4. COLOR Information Display

Color information of camera recorder is displayed.

<Note>

The contents to be displayed will vary depending on the model or setup of camera recorder, but the displayed information is the same as that on the Control Panel of a connected camera recorder.

■ SLOPE (CDL) SCREEN

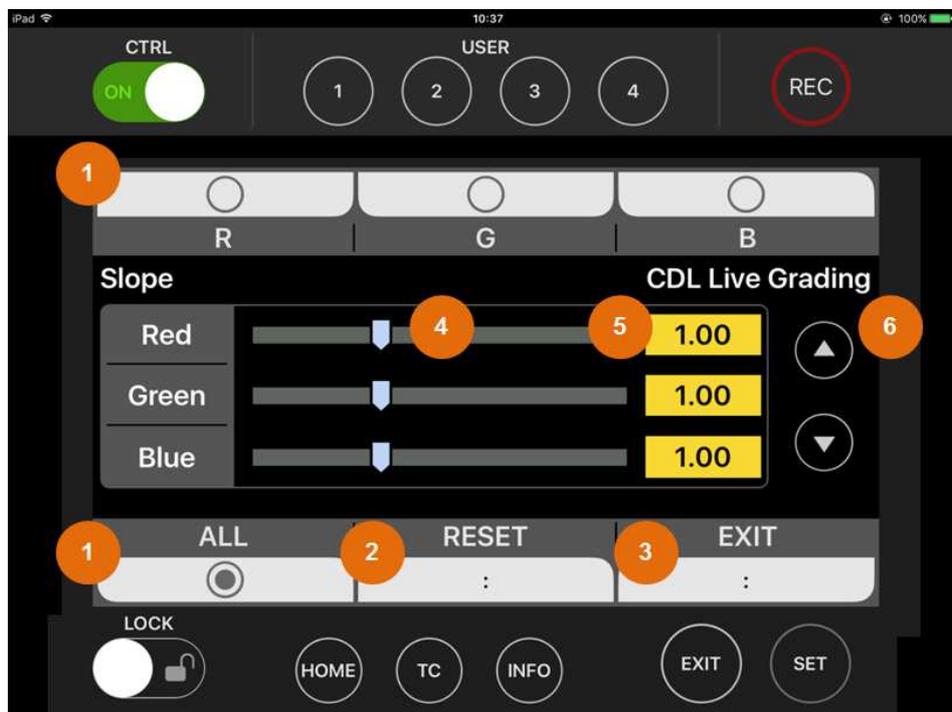


FIGURE 11 Slope (CDL) Screen

On VariCam ROP App, CDL parameters (Saturation, Slope, Offset and Power) are controlled by tapping and swiping unlike the Control Panel of camera recorder.

1. R / G / B / ALL

For Slope, Offset and Power (CDL), the setting items are selected individually or all at once.

Tap this to switch the setting.

2. RESET

Tap this to reset the displayed settings to factory default.

<Note>

The setting values on the camera recorder also change at the same time as this operation.

3. EXIT

Tap this to move to CDL screen.

4. Scroll Bar

The setting values are changed by tapping any position on the bar or scrubbing the nob rightward/leftward.

<Note>

The setting values on the camera recorder also change at the same time as this operation.

5. Setting Value Display

The current values of the settings are displayed.

6. Fine Adjustment Buttons

Fine adjustments are made to the setting values by tapping Up/Down buttons.

<Note>

The setting values on the camera recorder also change at the same time as this operation.

■ LOAD / SAVE (CDL) SCREEN

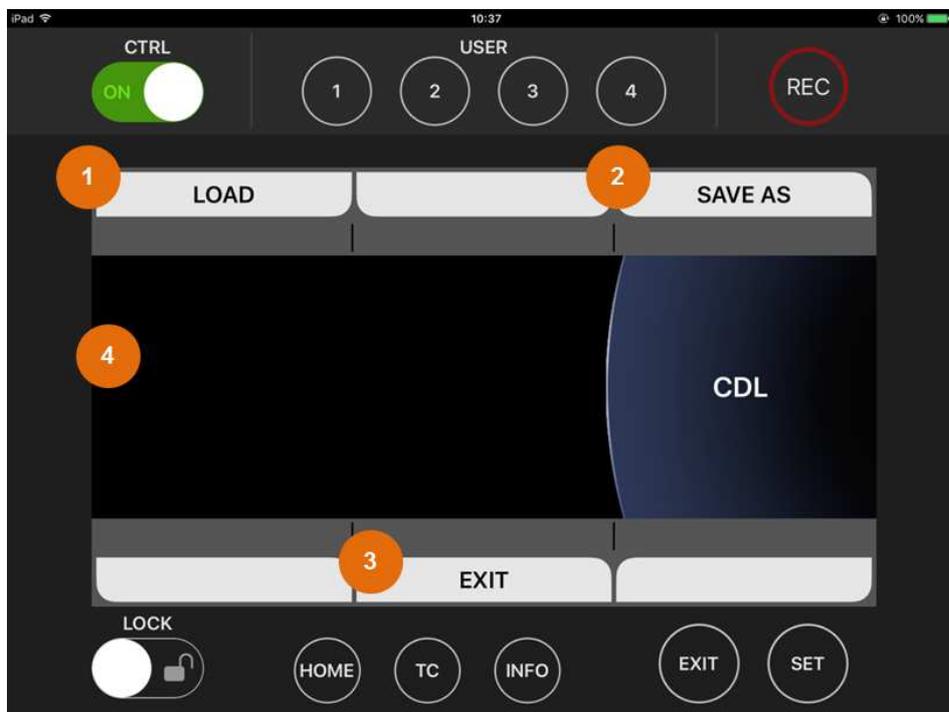


FIGURE 12. LOAD/SAVE (CDL) Screen

Both CDL and 3D LUT screens include LOAD/SAVE screen. (On VariCam 35, MAIN COLOR screen also includes it.) And how to operate LOAD/SAVE screen is common to both.

1. LOAD

Tap this to load a selected file.

If there is not a file, no operation is performed.

2. SAVE AS

Tap this to move to the screen for inputting a file name.

3. EXIT

Tap this to return to the previous screen.

4. File List Display

VariCam ROP Operation Guide

This area displays the list of files contained in the media inserted into camera recorder.

Swipe the list upward or downward to select a different file.

Double tap a selected file to load it.

■ FILE NAME INPUT (CDL) SCREEN

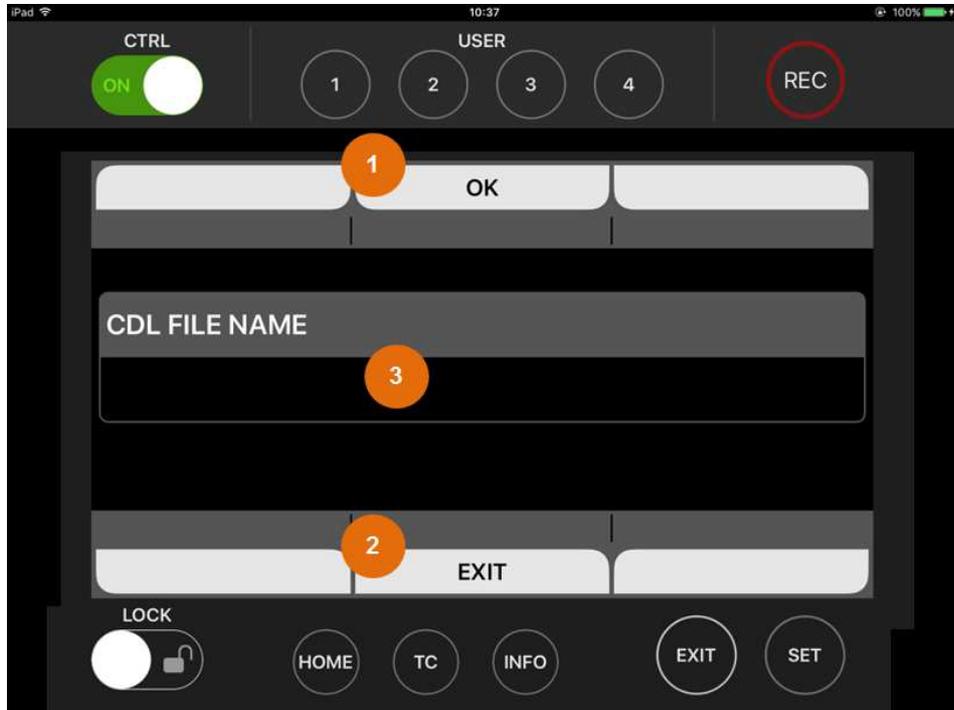


FIGURE 13. File Name Input (CDL) Screen

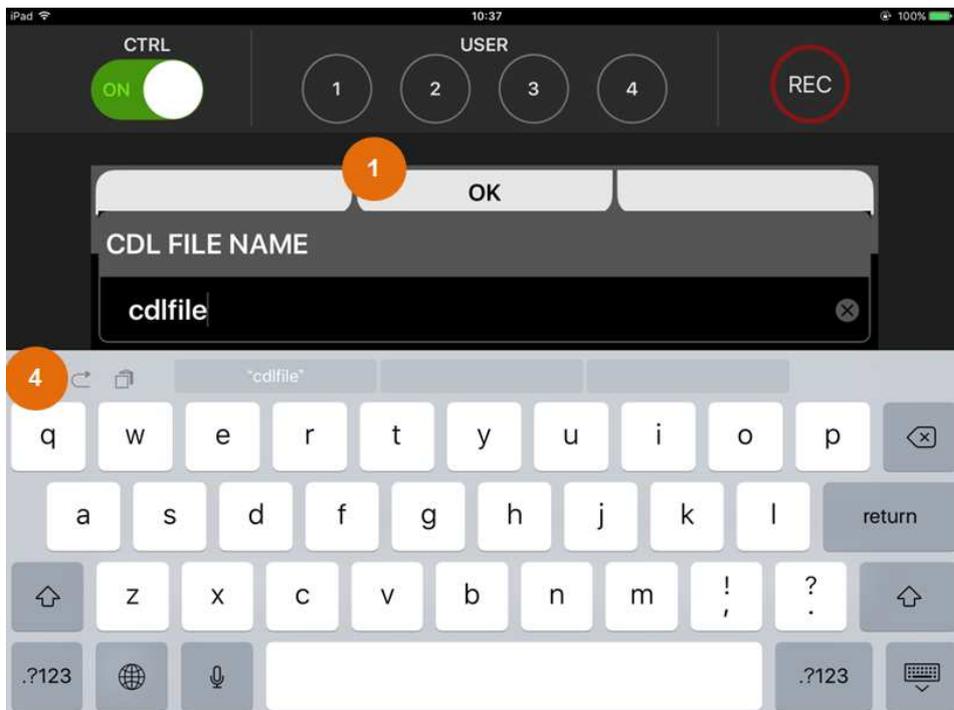


FIGURE 14. File Name Input (CDL) Screen (Soft Keyboard Display)

To move to File Name Input screen, tap **SAVE AS** on **LOAD/SAVE** screen from either **CDL** or **3D LUT** screen.

1. OK

Tap this to save a file as a file name that you input.

2. EXIT

Tap this to cancel the input and return to the previous screen.

3. File Name Display

A file name you are inputting is displayed.

Tap here to display the soft keyboard while it is not displayed.

4. Soft Keyboard

Tap the keys to input a file name.

<Note>

When a letter or symbol cannot be used for a file name, you cannot input it even if you tap the key for it.

Also when a file name is longer than 8 letters, you cannot input a letter even if you tap any key.

■ SHUTTER SCREEN

This is the screen to set the shutter speed settings of camera recorder.



FIGURE 15. SHUTTER Screen



FIGURE 16 SHUTTER ADD SCREEN

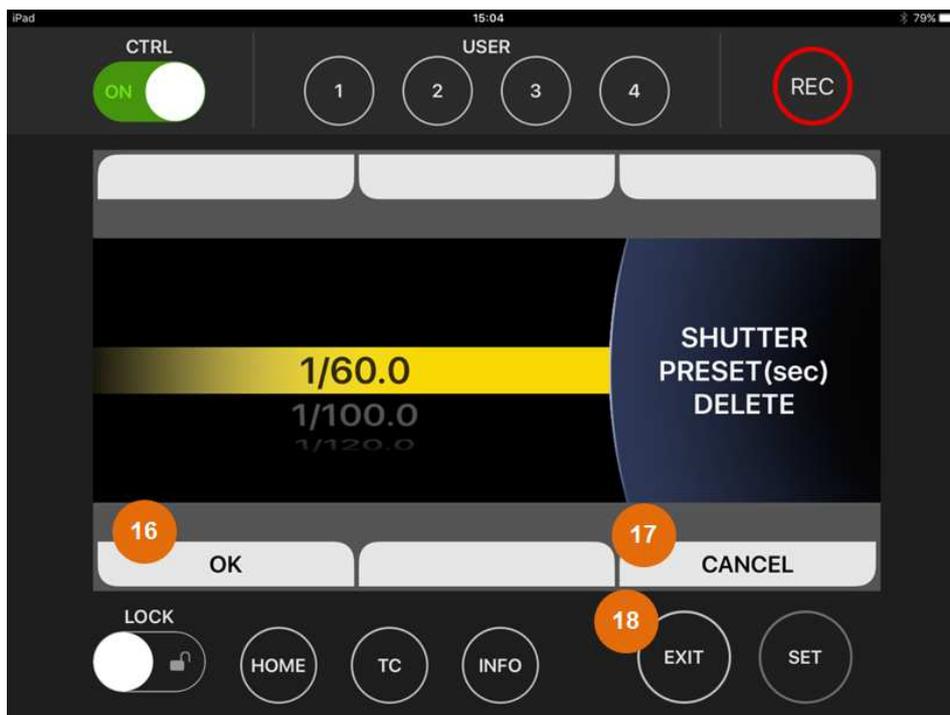


FIGURE 17 SHUTTER DELETE SCREEN

1. OFF / ON

Tap this to switch between ON and OFF settings for the shutter.

2. PRESET / SYNCHRO (VariCam 35/HS only)

Tap this to switch the mode in selecting a shutter speed.

<Note>

VariCam ROP App does not support an operation of selecting a shutter speed in SYNCHRO mode.

3. deg /sec

Tap this to switch the unit for the shutter settings.

4. Shutter Speed Value

Swipe the value upward or downward to select a shutter speed.

Double tap the value to determine the speed and return to HOME screen.

<Note>

A change of the value by swiping does not cause the setting on the camera recorder to change.

The camera's setting will change after the value is determined by double tapping it or tapping the SET button.

5. EXIT Button

Tap this to return to HOME screen.

6. SET Button

Tap this to determine the value and return to HOME screen.

7. ADD

Tap this to move to ADD SCREEN in the SHUTTER SCREEN.

8. DELETE

Tap this to move to DELETE SCREEN in the SHUTTER SCREEN.

9. MAX/MIN

Tap this to toggle the maximum value and the minimum value of ADD candidate in SHUTTER.

10. \pm HUNDREDS

Tap this to add 100 or decrease 100 to the ADD candidate value in SHUTTER. If the new value is not available, it will be rounded.

11. \pm TENS

Tap this to add 10 or decrease 10 to the ADD candidate value in SHUTTER. (If SHUTTER is set to sec, the numerator will be changed.)

If the new value is not available, it will be rounded.

12. ADD SHUTTER Value

Double tap this once to change decimal places of ADD candidate value in SHUTTER .If you double tap one more time, ADD operation is fixed and SHUTTER SCREEN appears.

13. ADD SHUTTER Tweak Button

Tap this to increase or decrease ADD candidate value in SHUTTER.

14. EXIT Button

Tap this to cancel ADD operation and move back to FPS SCREEN.

15. SETButton

Double tap this once to change decimal places of ADD candidate value in SHUTTER. .If you double tap one more time, ADD operation is fixed and SHUTTER SCREEN appears.

16. OK

Tap this to cancel DELETE operation in SHUTTER and move back to SHUTTER SCREEN.

17. CANCEL

Tap this to cancel DELETE operation in SHUTTER and move back to SHUTTER SCREEN.

18. EXITButton

Tap this to cancel DELETE operation in SHUTTER and move back to SHUTTER SCREEN.

■ EI SCREEN

This is the screen to set the sensitivity settings of camera recorder.

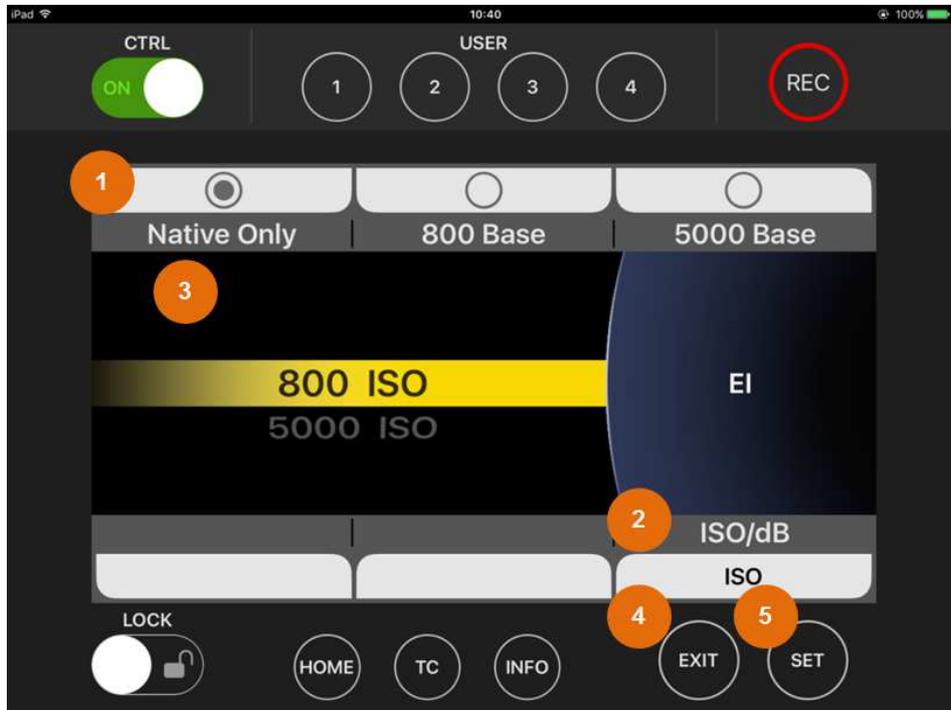


FIGURE 18. EI Screen

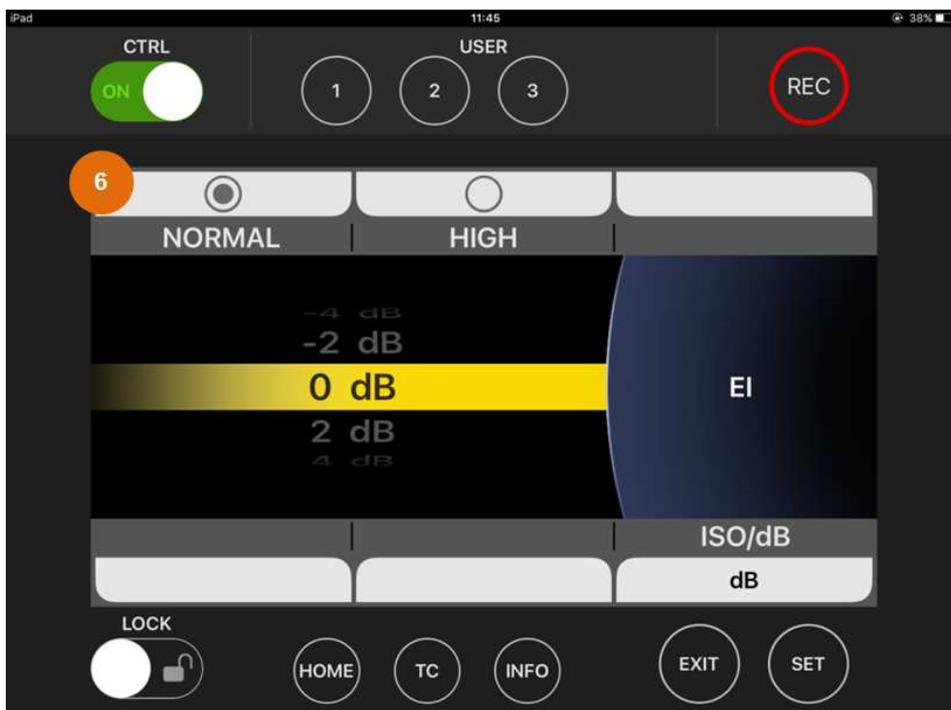


FIGURE 19. EI (dB) Screen

1. Native ISO / ISO800 Base / ISO5000 Base (VariCam 35/LT only)

Tap this to switch the ISO Base setting while ISO is selected as the setting standard.

<Note>

Even if ISO is selected as the setting standard, you may have no choice.

2. ISO / dB (Setting Standard)

Tap this to switch the standard in setting EI (EXPOSURE INDEX).

<Note>

Depending on the setup of camera recorder, the setting standard may be fixed to ISO.

3. Sensitivity Setting Value

Swipe the value upward or downward to select the sensitivity.

Double tap the value to determine the sensitivity and return to HOME screen.

<Note>

A change of the value by swiping does not cause the setting on the camera recorder to change.

The camera's setting will change after the value is determined by double tapping it or tapping the SET button.

4. EXIT Button

Tap this to return to HOME screen.

5. SET Button

Tap this to determine the value and return to HOME screen.

6. NORMAL/HIGH Button (VariCam LT only)

When dB is selected as the setting standard, you can switch between NORMAL and HIGH for GAIN.

■ SYSTEM MODE SCREEN

This is the screen to set the system settings of camera recorder.

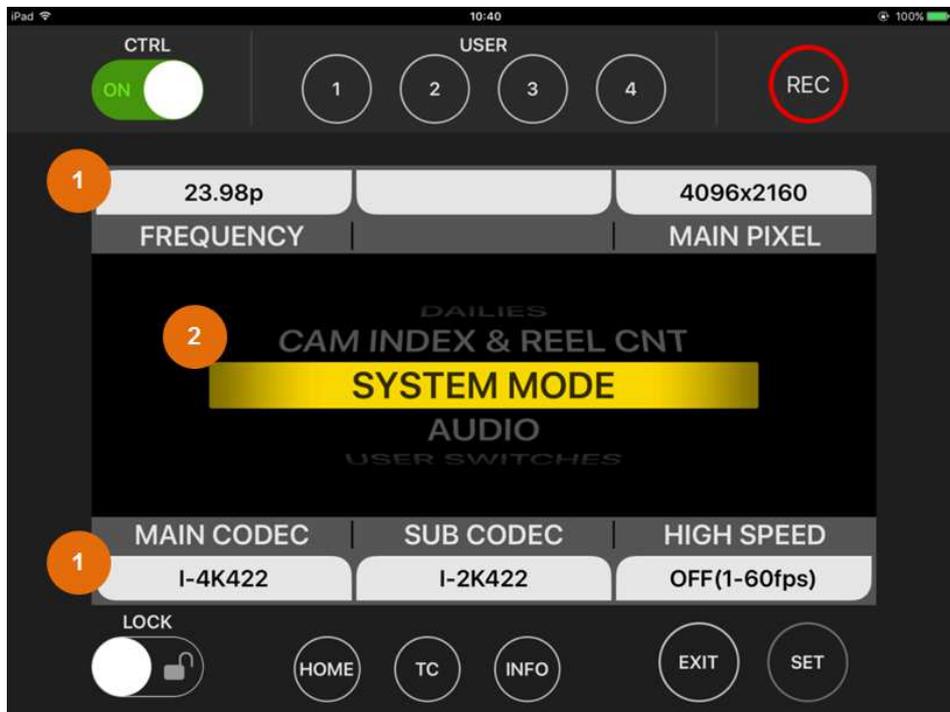


FIGURE 20. SYSTEM MODE Screen

1. System Setting Items

Tap this to move to the screen to select a setting value for each setting item.

If you change a setting except for SUB CODEC (PROXY CODEC for VariCam LT), the confirmation screen will appear asking whether or not to restart the camera recorder to implement the displayed setting.

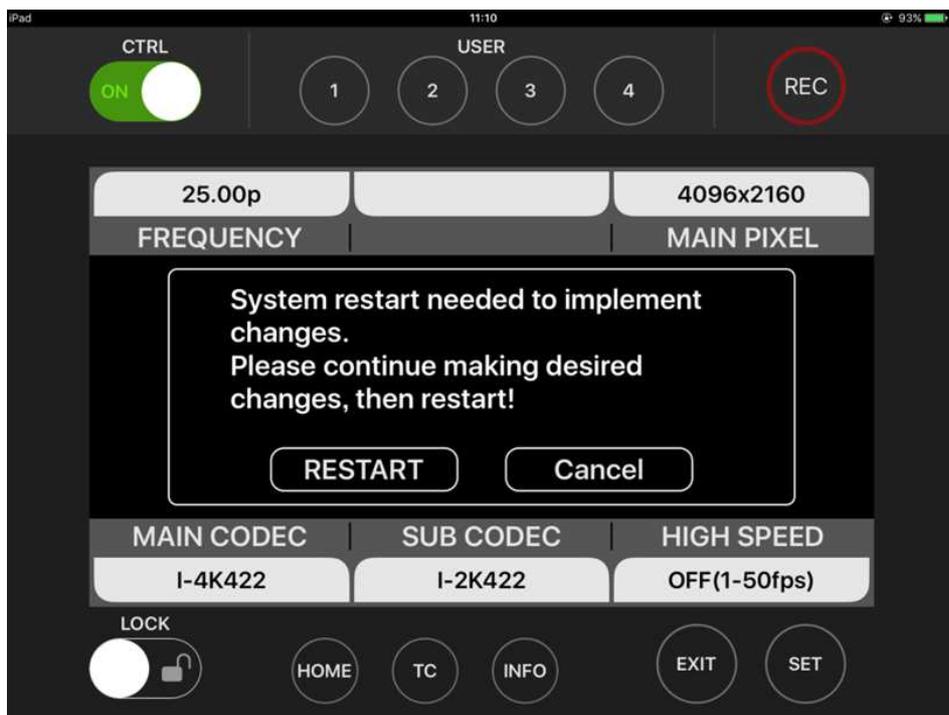


FIGURE 21. SYSTEM MODE CONFIRMATION SCREEN

If you tap RESTART on the confirmation screen, the camera recorder will restart. So you need to end VariCam ROP App, establish the connection again, and then start the App again.

If you tap Cancel, the confirmation screen will disappear and the changes so far will be cancelled.

<Note>

The setting items to be displayed vary depending on the model or setup of camera recorder to be connected.

For details about the setting items and value options, please refer to the Operating Instructions of camera recorder.

2. Selecting System Setting Item

Swipe the setting item upward or downward to switch it.

<Note>

Selectable setting items vary depending on the model or setup of camera recorder.

■ CAM & REEL SCREEN

This is the screen to set the settings about the recording files of camera recorder.

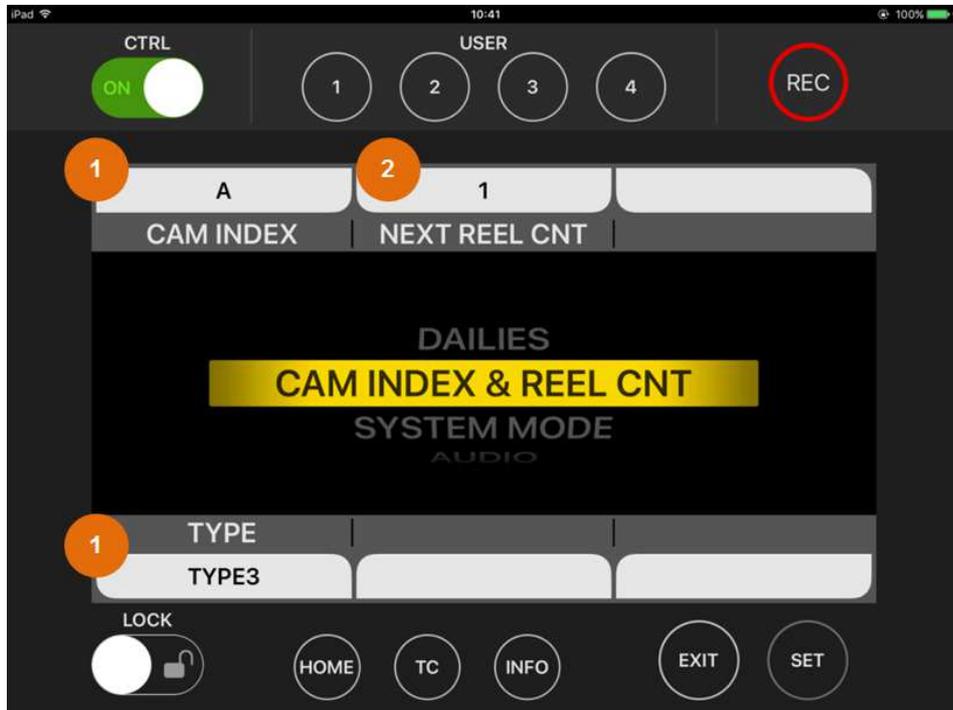


FIGURE 22. CAM INDEX & REEL CNT Screen

1. CAM INDEX / TYPE

Tap this to move to the screen to select a setting value for each setting item.

<Note>

You may not be able to select the item TYPE depending on the model or setup of camera recorder.

2. NEXT REEL CNT

Tap this to move to NEXT REEL CNT setting screen.



FIGURE 23. NEXT REEL CNT SETTING SCREEN

3. CANCEL / EXIT Button

Tap this to cancel the setting and return to CAM INDEX & REEL CNT screen

4. RESET

Tap this to change the value to factory default setting (001).

5. DONE

Tap this to determine the value and return to CAM INDEX & REEL CNT screen.

6. NEXT REEL COUNT Value

By tapping the digit where you want to change the setting, you can make it a target digit for setting change.

Swipe the target digit upward or downward to change the value in it.

7. SET Button

Tap this to move the target to its right digit.

If the target is the frame digit at the right end, the setting will be determined and you will return to CAM INDEX & REEL CNT screen.

■ DAILIES SCREEN

This is the setting screen to superimpose information on the video recorded on the camera's sub-recorder.

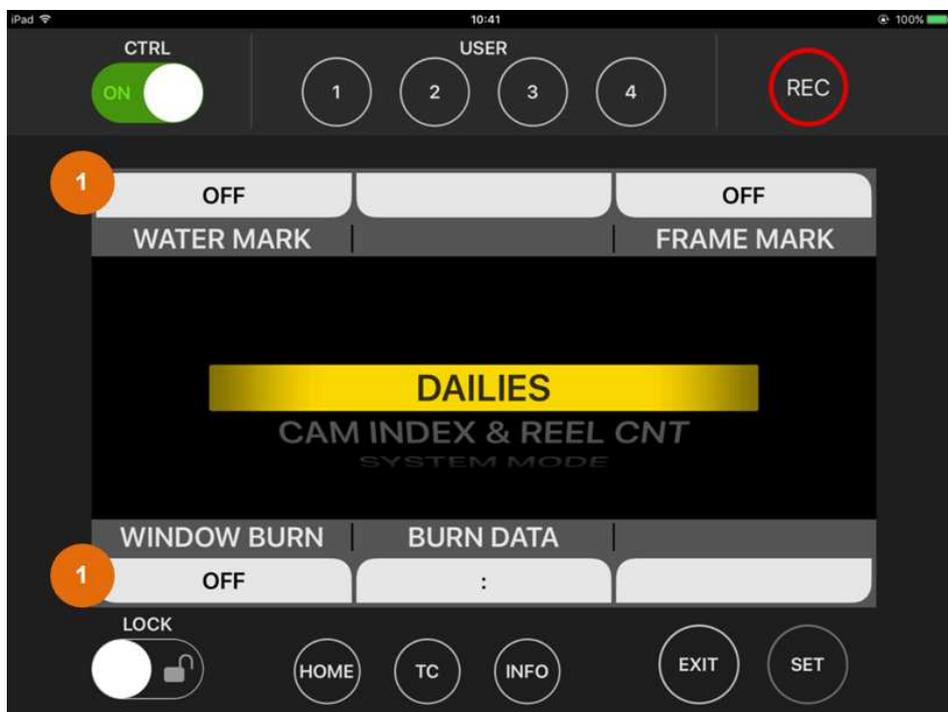


FIGURE 24. DAILIES Screen

<Note>

You may not be able to select DAILIES screen depending on the model or setup of camera recorder.

1. WATER MARK / FRAME MARK / WINDOW BURN / BURN DATA

Tap this to move to the screen to select a setting value for each setting item.

<Note>

For details about the setting items and value options, please refer to the Operating Instructions of camera recorder.

■ CHAR EDIT INPUT SCREEN

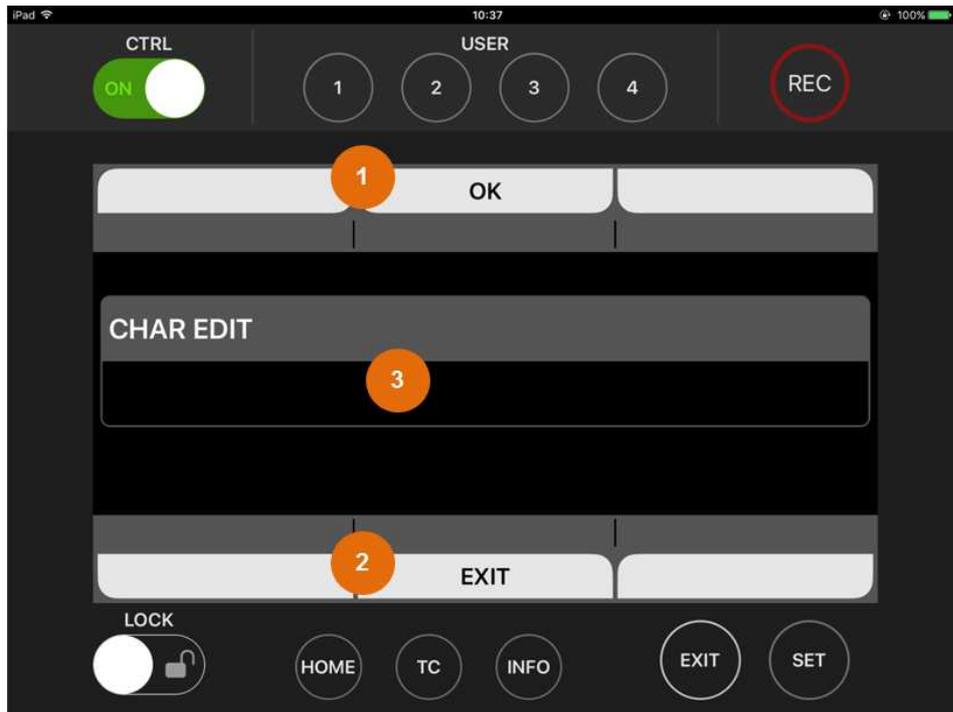


FIGURE 25. CHAR EDIT INPUT (WATER MARK) SCREEN

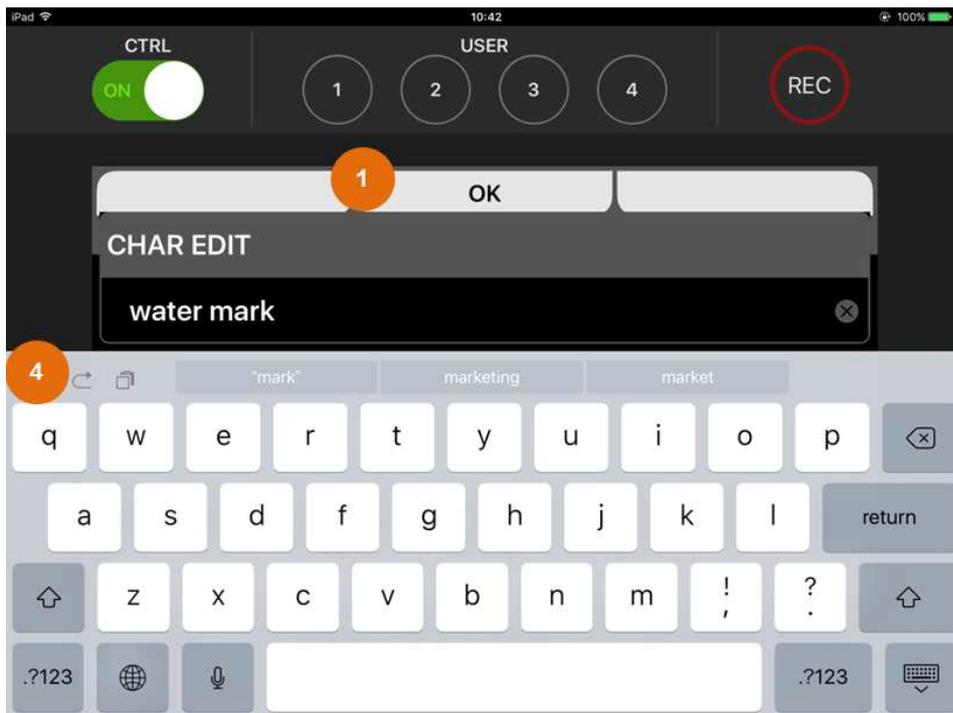


FIGURE 26. CHAR EDIT INPUT (WATER MARK) SCREEN (SOFT KEYBOARD DISPLAY)

Tap the item CHAR EDIT (WATER MARK) or BURN DATA 1 – 3 (BURN DATA) to move to the character input screen.

1. OK

Tap this to set an inputted character string.

2. EXIT

Tap this to cancel the input and return to the previous screen.

3. File Name Display

A character string you are inputting is displayed.

Tap here to display the soft keyboard when it is not displayed.

4. Soft Keyboard

Tap the keys to input a character string.

<Note>

When a character is not supported by each setting item, you cannot input it even if you tap the key for it.

Also when a character string is longer than the upper limit of each setting item, you cannot input a character even if you tap any key.

■ AUDIO SCREEN

This is the screen to set the audio settings of camera recorder.



FIGURE 27. AUDIO Screen

1. AUDIO VOL / AUDIO IN / AUDIO OUT

Tap this to move to each setup screen.

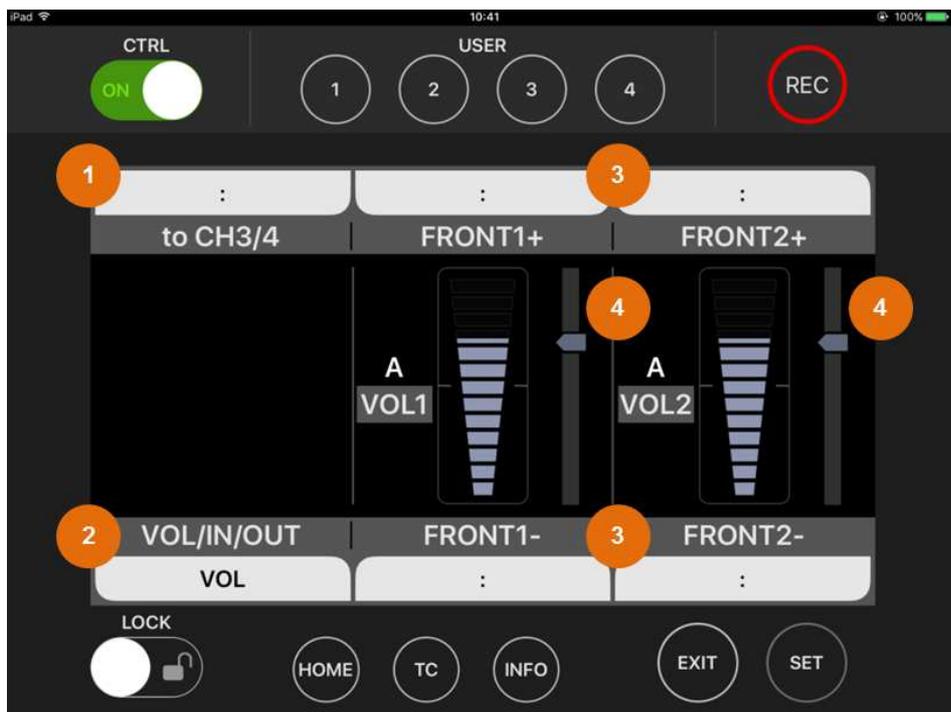


FIGURE 28. AUDIO VOL SETUP SCREEN

At AUDIO VOL and AUDIO OUT, you can perform operations for audio level adjustment using the scroll bars on the screen.

1. Switchover of Displayed Channels

Tap this to switch the pair of audio channels for which the settings are displayed.

<Note>

As for VariCam LT, this channel pair switchover is available at the item MONITOR SEL.

2. Switchover of Audio Setup Screen

Tap this to switch the audio setup screen in order of AUDIO IN → AUDIO OUT → AUDIO VOL.

<Note>

This setting item is not provided for VariCam LT.

3. Fine Adjustment of Audio Level

Tap this to adjust the audio level of a corresponding channel by +1 / -1.

<Note>

If the channel setting is AUTO, the level will not change even if you tap this.

4. Scroll Bar for Level Adjustment

The setting values are changed by tapping any position on the scroll bar or scrubbing the nob upward/downward.

<Note>

If the channel setting is AUTO, you cannot control the scroll bars.

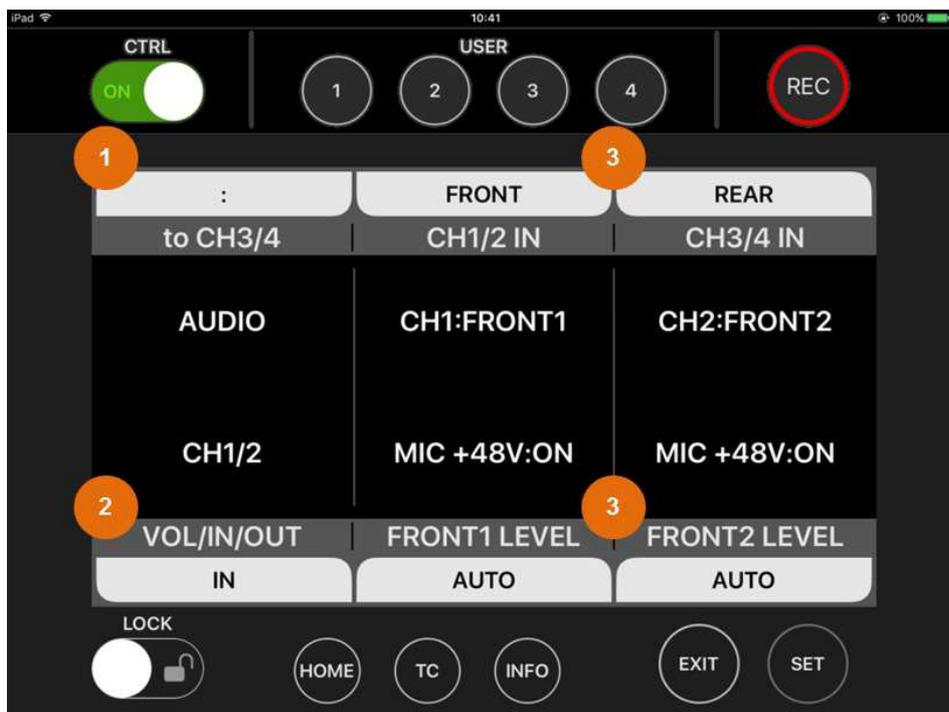


FIGURE 29. AUDIO IN SETUP SCREEN

At AUDIO IN, the audio input settings can be changed.

1. Switchover of Displayed Channels

Tap this to switch the pair of audio channels for which the settings are set.

<Note>

As for VariCam LT, this channel pair switchover is available at the item MONITOR SEL.

2. Switchover of Audio Setup Screen

Tap this to switch the audio setup screen in order of AUDIO OUT → AUDIO VOL → AUDIO IN.

<Note>

This setting item is not provided for VariCam LT.

3. Input Setting

Tap this to switch the input and level settings of a corresponding channel.

■ USER SWITCHES SCREEN

This is the setup screen for the functions assigned to USER Buttons on the camera recorder.



FIGURE 30. USER SWITCHES Screen

<Note>

This setup screen is for VariCam ROP App only. The SYSTEM settings of camera recorder's Control Panel do not include this USER SWITCHES item.

The assignment to each button is synchronized with that on the camera recorder. So if you change the assignment on VariCam ROP App, the assignment to USER Buttons on the camera recorder will also be changed simultaneously.

1. USER 1 to 4

Tap this to move to the function assignment screen to USER Buttons 1 to 4.

<Note>

VariCam LT does not have USER 4, so the App will only provide the settings for up to USER 3.

2. USER 5 to 10

Tap this to move to the function assignment screen to USER Buttons 5 to 10.

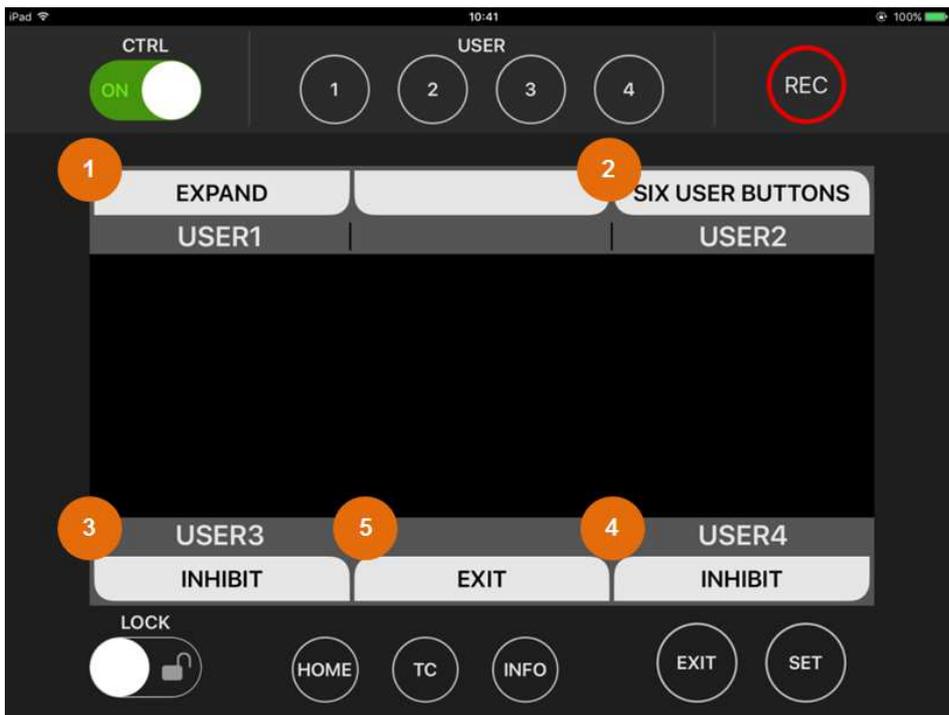


FIGURE 31. USER1 TO 4 FUNCTION ASSIGNMENT SCREEN

On the function assignment screen, the current setting of each USER Button is displayed.

USER1 to 4 handles the assignment to USER switches 1 – 4, and USER5 to 10 handles the assignment to the switches of SIX USER BUTTONS screen.

1. – 4. USER1 – USER4

Tap this to move to the screen to change the function assignment to each button.

5. EXIT

Tap this to return to USER SWITCHES screen.

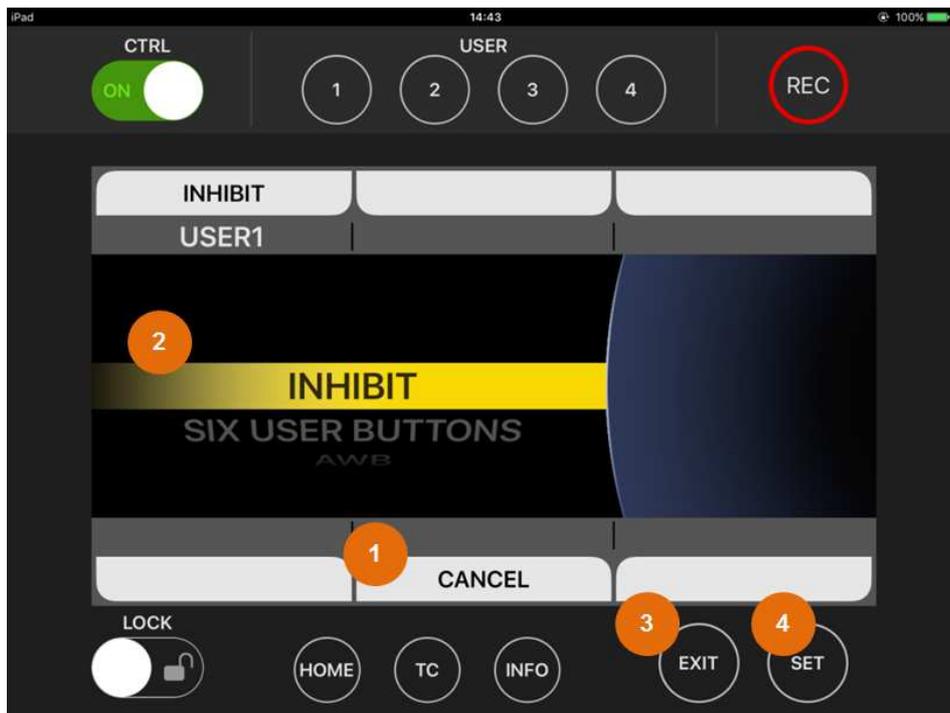


FIGURE 32. USER1 FUNCTION ASSIGNMENT CHANGE SCREEN

On the function assignment screen, the current setting of each USER Button is displayed.

USER1 to 4 handles the assignment to USER switches 1 – 4, and USER5 to 10 handles the assignment to the switches of SIX USER BUTTONS screen.

1. CANCEL

Tap this to cancel the operation and return to USER1 to 4 screen.

2. Assigned Function Display

Swipe the option upward or downward to select a function you want to assign to the desired button. Double tap the option to change the assignment to the selected function and return to USER1 to 4 screen.

3. EXIT Button

Tap this to cancel the operation and return to USER1 to 4 screen.

4. SET Button

Tap this to change the assignment to the selected function and return to USER1 to 4 screen.

■ WHITE SCREEN

This is the setting screen for White Balance of camera recorder.

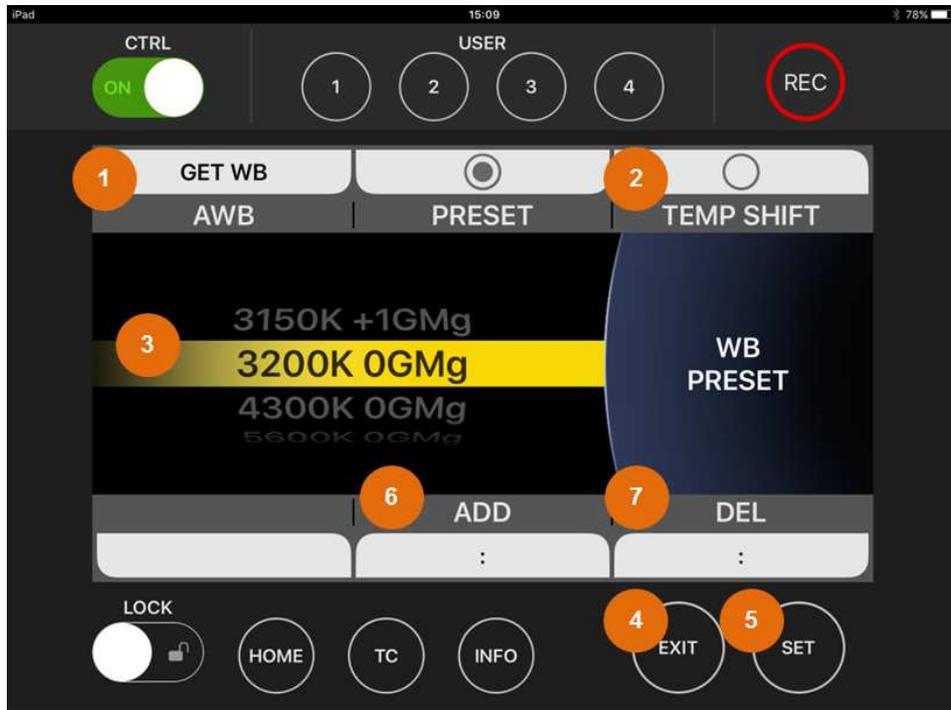


FIGURE 33. WHITE Screen



FIGURE 34 WHITE ADD (C.TEMP) SCREEN

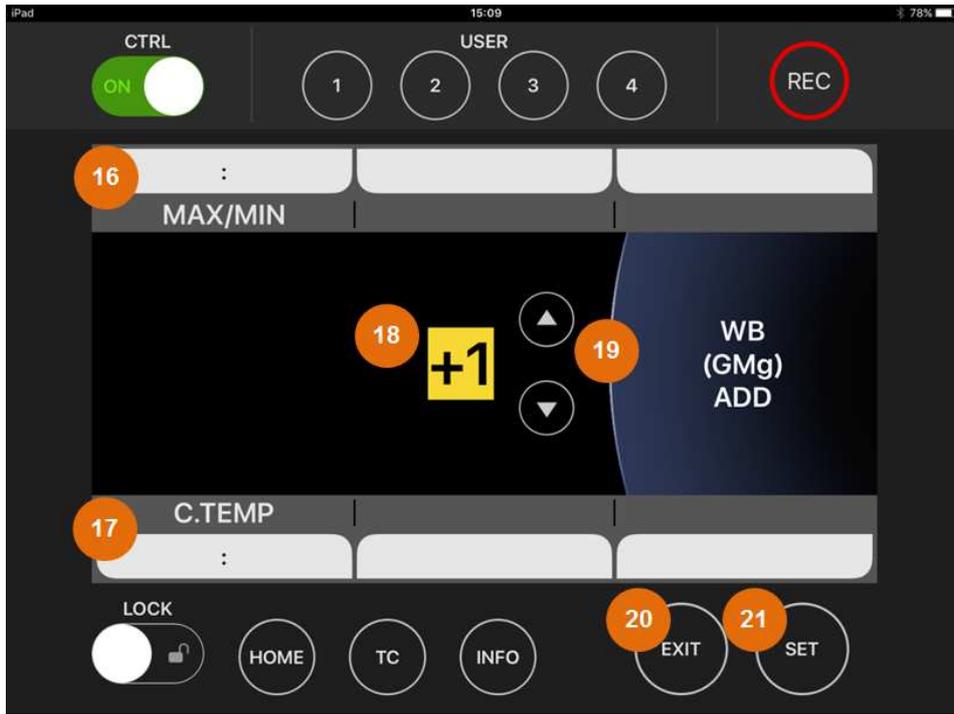


FIGURE 35 WHITE ADD(GMg) SCREEN

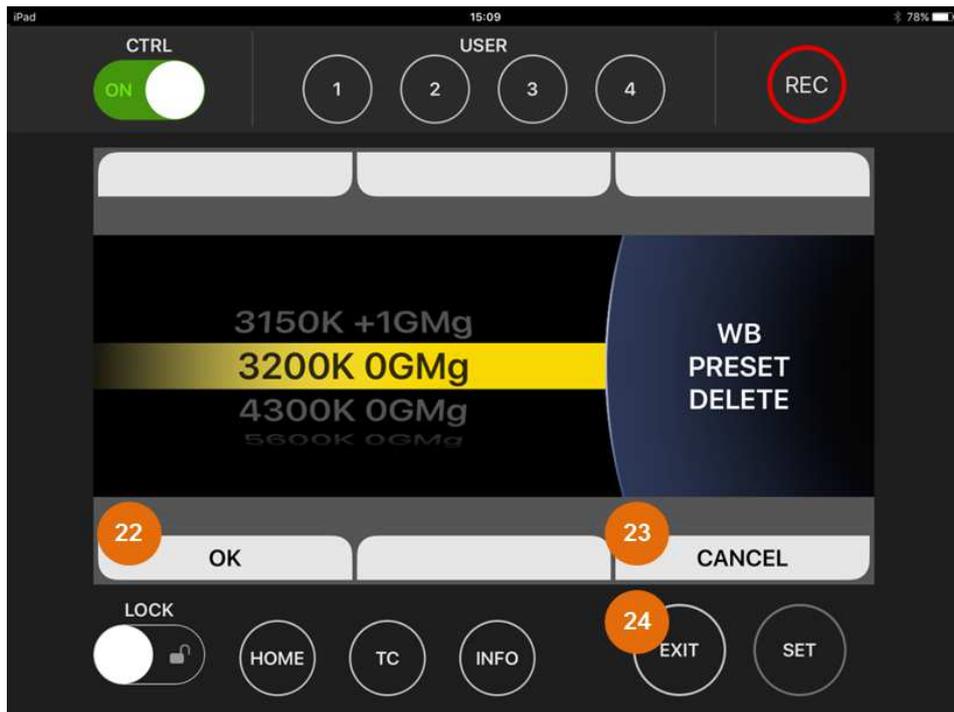


FIGURE 36 WHITE DELETE SCREEN

1. AWB

Tap this to execute White Balance when the selected white balance mode is PRESET.

<Note>

If the preset settings reach the maximum number that can be registered with the connected camera recorder, a white balance value selected on the camera at the moment is overwritten instead of a value on VariCam ROP App's WHITE screen.

2. PRESET / TEMP SHIFT (VariCam 35/HS only)

Tap this to switch the mode in selecting the white balance.

<Note>

VariCam ROP App does not support an operation of selecting a frame rate in TEMP SHIFT mode.

3. White Balance Setting Value

Swipe the value upward or downward to select the white balance.

Double tap the value to determine the white balance and return to HOME screen.

<Note>

A change of the value by swiping does not cause the setting on the camera recorder to change.

The camera's setting will change after the value is determined by double tapping it or tapping the SET button.

4. EXIT Button

Tap this to return to HOME screen.

5. SET Button

Tap this to determine the value and return to HOME screen.

6. ADD

Tap this to move to ADD(C TEMP) SCREEN in the WHITE SCREEN.

7. DELETE

Tap this to move to DELETE SCREEN in the WHITE SCREEN.

8. MAX/MIN

Tap this to toggle the maximum value and the minimum value of ADD(C TEMP) candidate.

9. ±THOUSANDS

Tap this to add 1000 or decrease 1000 to the ADD(C TEMP) candidate value in FPS. If the new value is not available, it will be rounded.

10. ±HUNDREDS

Tap this to add 100 or decrease 100 to the ADD(C TEMP) candidate value in FPS. If the new value is not available, it will be rounded.

11. GMg

Tap this to move to ADD(GMg) SCREEN in the WHITE SCREEN. The C. TEMP value is preserved afterwards.

12. ADD C.TEMP Value

Double tap this to fix ADD candidate value and move back to WHITE SCREEEN,

13. ADD C. TEMP Tweak button

Tap this to increment or decrease ADD (C. TEMP) candidate value.

14. EXIT Button

Tap this to cancel ADD operation and move back to WHITE SCREEN.

15. SET Button

Tap this to finish ADD operation and move back to WHITE SCREEN.

16. MAX/MIN

Tap this to toggle the maximum value and the minimum value of ADD(GMg) candidate.

17. C.TEMP

Tap this to confirm the selection and move back to HOME SCREEN.

18. ADD GMg Value

Double tap this once to change decimal places of ADD candidate value in WHITE (VARICAM LT only). If you double tap one more time, ADD operation is fixed and WHITE SCREEN appears.

19. ADD GMg Tweak Button

Tap this to increase or decrease ADD candidate value.

20. EXIT Button

Tap this to move to C. TEMP SCREEN in the WHITE SCREEN. The C. TEMP value is preserved afterwards.

21. SET Button

Double tap this once to change decimal places of ADD candidate value in WHITE (VARICAM LT only) .If you double tap one more time, ADD operation is fixed and WHITE SCREEN appears.

22. OK

Tap this to finish DELETE operation and move back to WHITE SCREEN.

23. CANCEL

Tap this to cancel DELETE operation and move back to WHITE SCREEN.

24. EXIT Button

Tap this to cancel DELETE operation and move back to WHITE SCREEN.

■ SIX USER BTNS SCREEN

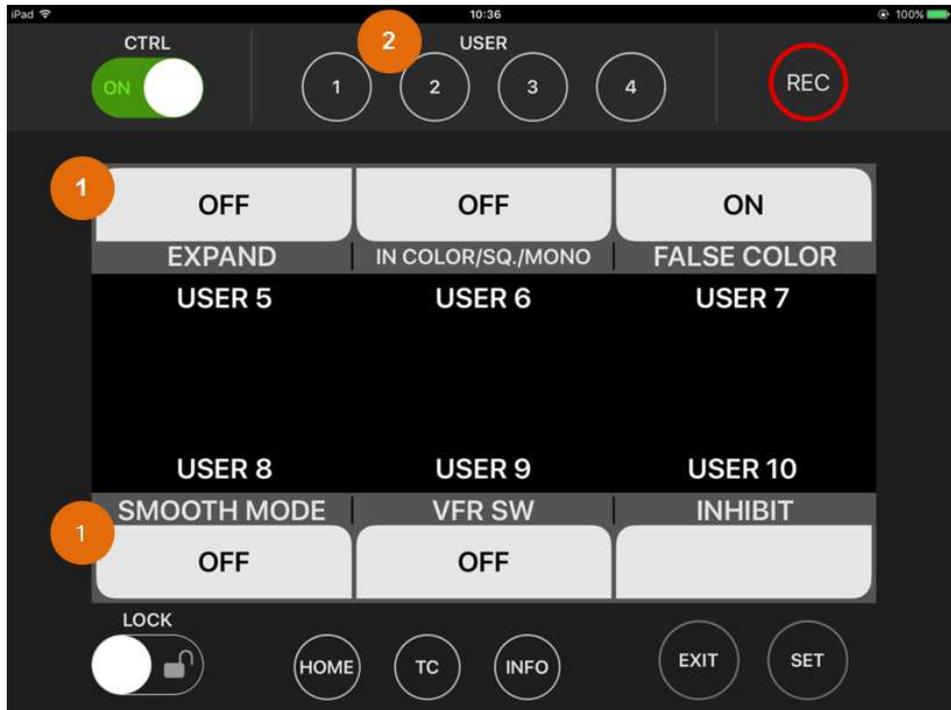


FIGURE 37. SIX USER BUTTONS Screen

When SIX USER BUTTONS function is assigned to USER Buttons 1 – 4, tap the corresponding button to move to SIX USER BUTTONS screen.

1. USER5 – USER10

Tap this to perform the function assigned to each button.

2. USER Button

Each tapping of the button where SIX USER BUTTONS function is assigned can toggle between SIX USER BUTTONS screen and HOME screen.

<Note>

SIX USER BUTTONS screen is not displayed on the Control Panel of camera recorder.