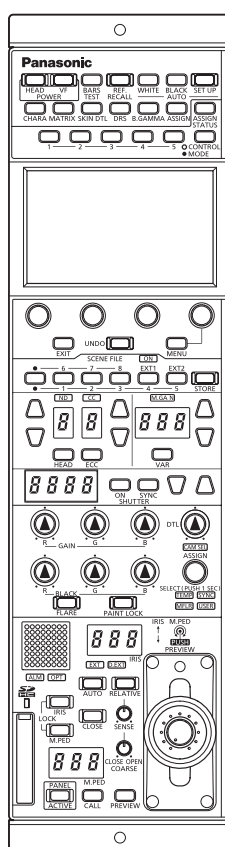


# Operating Guide

Remote Operation Panel

Model No. **AK-HRP1000G**

Read this document when using the AK-HRP1000G Remote Operation Panel in conjunction with AJ-CX4000G Memory Card Camera-Recorder.



For details of operating Remote Operation Panel AK-HRP1000G, please visit the Panasonic website (<https://pro-av.panasonic.net/manual/en/index.html>), and refer to the Operating Instructions (HTML or PDF).

# Panasonic

ENGLISH

DVQP2399ZA

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# Connecting the Unit to AJ-CX4000 Cameras

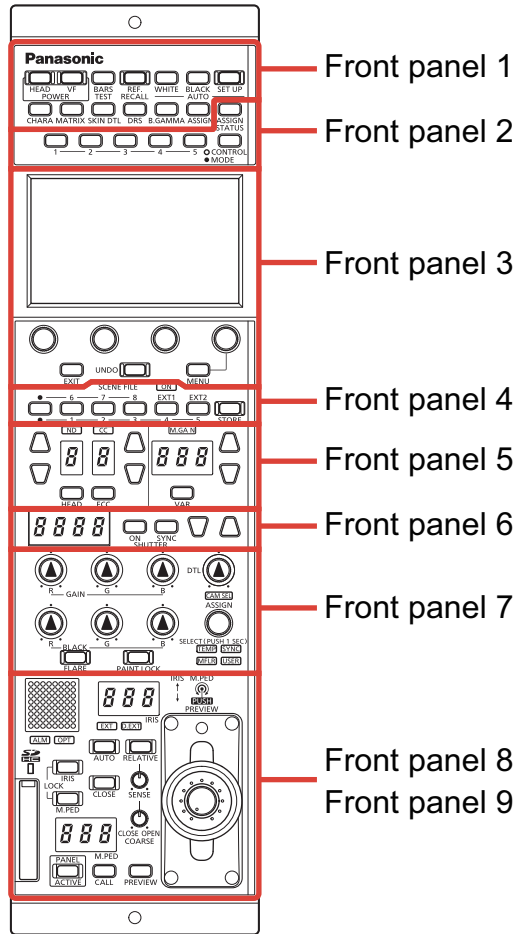
## Connections

- Use a LAN cable to connect the <REMOTE> connector at the rear of the AJ-CX4000 to the <LAN> connector of the AK-HRP1000G.
- Set the connection setting to "LAN(AJ2)" in the [CONNECT SETTING] menu.

CONNECT SETTING			1 / 11
CONNECT MODE(push)			
CAM1	CAM2	CAM3	
LAN (AJ2)	NON	NON	
CONNECT MODE(push)			
CAM4	CAM5	CAM6	
NON	NON	NON	
CONNECT MODE(push)			
CAM7	CAM8	CAM9	
NON	NON	NON	

## Compatible Functions List

When the unit is used in conjunction with an AJ-CX4000 Memory Card Camera-Recorder, a portion of the unit's button, dial, and other control functions will be limited or disabled. Be sure to refer to the following table.



Number	Part name	✓ : Enabled	Remarks
		× : Disabled	
Front panel 1	[POWER HEAD] button	×	
	[POWER VF] button	×	
	[BARS/TEST] button	✓	Only the ON/OFF for the color bar signal output will function.
	[REF. RECALL] button	×	
	[AUTO WHITE] button	✓	This functions when the [WHITE BALANCE] > [W.BAL SELECT] setting is "A" or "B".
	[AUTO BLACK] button	✓	
	[AUTO SET UP] button	×	
	[CHARA] button	✓	
	[MATRIX] button	✓	
	[SKIN DTL] button	✓	This only turns skin detail A ON/OFF.
	[DRS] button	✓	
	[B. GAMMA] button	×	
	[ASSIGN] button	✓	

Number	Part name	✓ : Enabled ×: Disabled	Remarks
Front panel 2	[ASSIGN STATUS] button	✓	
	Buttons [1] to [5] (CONTROL/MODE)	✓	
	[CONTROL/MODE] button	✓	
Front panel 3	LCD panel	✓	
	[MENU] dial	✓	
	[EXIT] button	✓	
	[UNDO] button	×	
	[MENU] button	✓	
Front panel 4	[ON] indicator (SCENE FILE)	✓	This is always lit.
	Scene file page switching button	×	
	[1/6], [2/7], [3/8], [4/EXT1], and [5/EXT2] buttons (SCENE FILE)	✓	Scenes 1 to 6 are enabled.
	[STORE] button	✓	When you press this at the same time as the [HEAD] button, recording starts or stops.
Front panel 5	[ND] indicator	×	
	[ND] setting buttons	×	
	[ND] display	✓	Displayed but cannot be adjusted.
	[CC] indicator	×	
	[CC] setting buttons	×	
	[CC] display	✓	Displayed but cannot be adjusted.
	[HEAD] button	✓	When you press this at the same time as the [STORE] button, recording starts or stops.
	[ECC] button	×	
	[M.GAIN] indicator	✓	
	[M.GAIN] setting buttons	✓	
	[M.GAIN] display	✓	Display varies depending on the selected mode. <b>When dB mode is selected:</b> Displays the dB setting value. <b>When ISO mode is selected:</b> Displays the ISO setting value (the last two digits of the setting value are not displayed). A dot is displayed at the bottom right.
	[VAR] button	×	

Number	Part name	✓ : Enabled ×: Disabled	Remarks
Front panel 6	[SHUTTER] display	✓	Display varies depending on the shutter mode. <b>When auto shutter is selected:</b> Displays "AUTO". <b>When fixed shutter is selected:</b> Displays the numerical value for the denominator of the shutter speed. <b>When synchro scan (time display) is selected:</b> Displays the numerical value for the denominator of the shutter speed. When the value is four or more digits, the digits after the decimal point are not displayed. <b>When synchro scan (shutter open angle display) is selected:</b> Displays the shutter open angle.
	[ON] button (SHUTTER)	✓	
	[SYNC] button (SHUTTER)	✓	Changes the shutter mode of the electronic shutter. <b>OFF:</b> Fixed shutter (FIX) <b>ON:</b> Synchro scan (SYNC)
	[SHUTTER] setting buttons	✓	
Front panel 7	[GAIN R], [GAIN G], and [GAIN B] dials	✓	[GAIN G] dial is disabled.
	[BLACK R], [BLACK G], and [BLACK B] dials	✓	
	[FLARE] button	✓	
	[PAINT LOCK] button	✓	
	[DTL] dial	✓	
	[CAM SEL] indicator	✓	
	[SELECT] dial	✓	
	[TEMP] indicator	✓	
	[SYNC] indicator	✓	
	[MFLR] indicator	×	
	[USER] indicator	✓	

Number	Part name	✓ : Enabled ×: Disabled	Remarks
Front panel 8	[EXT] indicator	×	
	[D.EXT] indicator	×	
	[IRIS] lever	✓	
	[M.PED] dial	✓	
	[RELATIVE] button	×	
	[SENSE] dial	✓	
	[COARSE] dial	✓	
	[IRIS] display	✓	
	[AUTO] button	✓	
	[CLOSE] button	×	
	[M.PED] display	✓	
	[IRIS LOCK] button	✓	
	[M.PED LOCK] button	✓	
Front panel 9	Camera number/tally display	✓	
	[ALM] indicator	✓	
	[OPT] indicator	×	
	[PANEL ACTIVE] button	✓	
	[CALL] button	×	
	[PREVIEW] button	×	
	Memory card slot	✓	
	Memory card access indicator	✓	
	Torque adjustment screw	✓	

## ROP Menu (during AJ-CX4000 Connection)

### ROP menu list

When an AJ-CX4000 Memory Card Camera-Recorder is connected, the ROP menu will be as follows. For setting values related to the camera, refer to the Operating Instructions for the camera.

For details on menu operations, refer to the following sections in the Operating Instructions.

- ➔ “Displaying menus”
- ➔ “Basic menu operations”

#### NOTE

- To perform menu operations, upgrade the version of the unit system to 4.82-00-0.00 or later.
- The setting values of functions that are not supported are indicated as “-”.

01 SHUTTER SPEED	SHUTTER	➔ “SHUTTER” (see page 13)
	SPEED MODE	➔ “SPEED MODE” (see page 13)
	SYNC TYPE	➔ “SYNC TYPE” (see page 13)
	SPEED	➔ “SPEED” (see page 13)
02 PEDESTAL	M.PED	➔ “M.PED” (see page 14)
	OFFSET	➔ “OFFSET” (see page 14)
	PED R	➔ “PED R” (see page 14)
	PED G	➔ “PED G” (see page 14)
	PED B	➔ “PED B” (see page 14)
03 CHROMA	LEVEL %	➔ “LEVEL %” (see page 15)
	PHASE	➔ “PHASE” (see page 15)
04 GAIN	GAIN	➔ “GAIN” (see page 16)
	AGC	➔ “AGC” (see page 16)
	AGC LIMIT	➔ “AGC LIMIT” (see page 16)
	AGC POINT	➔ “AGC POINT” (see page 16)
05 COLOR TEMP	COLOR TEMP	➔ “COLOR TEMP” (see page 17)
	GAIN R	➔ “GAIN R” (see page 17)
	AXIS G	➔ “AXIS G” (see page 17)
	GAIN B	➔ “GAIN B” (see page 17)
06 WHITE BALANCE	W.BAL SELECT	➔ “W.BAL SELECT” (see page 18)
	GAIN OFFSET	➔ “GAIN OFFSET” (see page 18)
	GAIN R	➔ “GAIN R” (see page 18)
	GAIN B	➔ “GAIN B” (see page 18)
	ATW SPEED	➔ “ATW SPEED” (see page 18)
	ATW TARGET R	➔ “ATW TARGET R” (see page 18)
	ATW TARGET B	➔ “ATW TARGET B” (see page 18)
07 FLARE	FLARE R	➔ “FLARE R” (see page 19)
	FLARE G	➔ “FLARE G” (see page 19)
	FLARE B	➔ “FLARE B” (see page 19)
	SW	➔ “SW” (see page 19)



08 GAMMA	MODE	➔ "MODE" (see page 20)
	GAMMA	➔ "GAMMA" (see page 20)
	SW	➔ "SW" (see page 20)
	F-REC DYNMCLV	➔ "F-REC DYNMC LV" (see page 20)
	F-REC BLK.S LV	➔ "F-REC BLK.S LV" (see page 20)
	V-REC K.SLOPE	➔ "V-REC K.SLOPE" (see page 20)
	V-REC K.POINT	➔ "V-REC K.POINT" (see page 20)
	BLACK GAMMA	➔ "BLACK GAMMA" (see page 20)
	B.GAMMA RANGE	➔ "B.GAMMA RANGE" (see page 20)
09 KNEE	MODE	➔ "MODE" (see page 21)
	POINT	➔ "POINT" (see page 21)
	SLOPE	➔ "SLOPE" (see page 21)
	AUTO KNEE RSPNS	➔ "AUTO KNEE RSPNS" (see page 21)
	AUTO KNEE POINT	➔ "AUTO KNEE POINT" (see page 21)
	AUTO KNEE LEVEL	➔ "AUTO KNEE LEVEL" (see page 21)
	HLG KNEE SW	➔ "HLG KNEE SW" (see page 21)
	HLG KNEE POINT	➔ "HLG KNEE POINT" (see page 21)
	HLG KNEE SLOPE	➔ "HLG KNEE SLOPE" (see page 21)
	H.COLOR SW	➔ "H.COLOR SW" (see page 21)
10 WHITE CLIP	WHITE CLIP SW	➔ "WHITE CLIP SW" (see page 22)
	WHITE CLIP LEVEL(%)	➔ "WHITE CLIP LEVEL(%)" (see page 22)
11 DRS	DRS	➔ "DRS" (see page 23)
	EFFECT DEPTH	➔ "EFFECT DEPTH" (see page 23)
12 DETAIL	DTL	➔ "DTL" (see page 24)
	CORING	➔ "CORING" (see page 24)
	H.DTL LEVEL	➔ "H.DTL LEVEL" (see page 24)
	V.DTL LEVEL	➔ "V.DTL LEVEL" (see page 24)
	FREQ.	➔ "FREQ." (see page 24)
	LEVEL DEPEND.	➔ "LEVEL DEPEND." (see page 24)
	KNEE APE LV	➔ "KNEE APE LV" (see page 24)
	GAIN(+)	➔ "GAIN(+)" (see page 24)
	GAIN(-)	➔ "GAIN(-)" (see page 24)
	DTL SW	➔ "DTL SW" (see page 24)
13 SKIN TONE DTL	SKIN TONE DTL A	➔ "SKIN TONE DTL A" (see page 25)
	SKIN TONE DTL B	➔ "SKIN TONE DTL B" (see page 25)
	SKIN TONE DTL C	➔ "SKIN TONE DTL C" (see page 25)
	DETECT TBL	➔ "DETECT TBL" (see page 25)
	EFFECT	➔ "EFFECT" (see page 25)
	I CENTER	➔ "I CENTER" (see page 25)
	I WIDTH	➔ "I WIDTH" (see page 25)
	Q WIDTH	➔ "Q WIDTH" (see page 25)
	Q PHASE	➔ "Q PHASE" (see page 25)

14 MATRIX	TABLE	➔ "TABLE" (see page 26)
	ADAPTIVE MATRIX	➔ "ADAPTIVE MATRIX" (see page 26)
	R-G	➔ "R-G" (see page 26)
	R-B	➔ "R-B" (see page 26)
	G-R	➔ "G-R" (see page 26)
	G-B	➔ "G-B" (see page 26)
	B-R	➔ "B-R" (see page 26)
	B-G	➔ "B-G" (see page 26)
15 COLOR CORRECTION	SAT R	➔ "SAT R" (see page 28)
	PHASE R	➔ "PHASE R" (see page 28)
	SAT R-R-Mg	➔ "SAT R-R-Mg" (see page 28)
	PHASE R-R-Mg	➔ "PHASE R-R-Mg" (see page 28)
	SAT R-Mg	➔ "SAT R-Mg" (see page 28)
	PHASE R-Mg	➔ "PHASE R-Mg" (see page 28)
	SAT Mg	➔ "SAT Mg" (see page 28)
	PHASE Mg	➔ "PHASE Mg" (see page 28)
	SAT Mg-B	➔ "SAT Mg-B" (see page 28)
	PHASE Mg-B	➔ "PHASE Mg-B" (see page 28)
	SAT B	➔ "SAT B" (see page 28)
	PHASE B	➔ "PHASE B" (see page 28)
	SAT B-Cy	➔ "SAT B-Cy" (see page 28)
	PHASE B-Cy	➔ "PHASE B-Cy" (see page 28)
	SAT Cy	➔ "SAT Cy" (see page 28)
	PHASE Cy	➔ "PHASE Cy" (see page 28)
	SAT Cy-G	➔ "SAT Cy-G" (see page 28)
	PHASE Cy-G	➔ "PHASE Cy-G" (see page 28)
	SAT G	➔ "SAT G" (see page 28)
	PHASE G	➔ "PHASE G" (see page 28)
	SAT G-YI	➔ "SAT G-YI" (see page 28)
	PHASE G-YI	➔ "PHASE G-YI" (see page 28)
	SAT G-YI-YI	➔ "SAT G-YI-YI" (see page 28)
	PHASE G-YI-YI	➔ "PHASE G-YI-YI" (see page 28)
	SAT YI	➔ "SAT YI" (see page 28)
	PHASE YI	➔ "PHASE YI" (see page 28)
	SAT YI-YI-R	➔ "SAT YI-YI-R" (see page 28)
	PHASE YI-YI-R	➔ "PHASE YI-YI-R" (see page 29)
	SAT YI-R	➔ "SAT YI-R" (see page 29)
	PHASE YI-R	➔ "PHASE YI-R" (see page 29)
	SAT YI-R-R	➔ "SAT YI-R-R" (see page 29)
	PHASE YI-R-R	➔ "PHASE YI-R-R" (see page 29)
SW	➔ "SW" (see page 29)	
16 SYSTEM CAM	TALLY CONTROL	➔ "TALLY CONTROL" (see page 30)
	TALLY INPUT	➔ "TALLY INPUT" (see page 30)
	TALLY SIGNAL	➔ "TALLY SIGNAL" (see page 30)
	TALLY CONT MD	➔ "TALLY CONT MD" (see page 30)

17 CAMERA MENU CONTROL	MENU ON/OFF	➔ "MENU ON/OFF" (see page 31)
	CURSOR/PARAMETER	➔ "CURSOR/PARAMETER" (see page 31)
	EXECUTE	➔ "EXECUTE" (see page 31)
	MENU EXIT	➔ "MENU EXIT" (see page 31)
18 ROP SETTING	CONTROL(MENU)1	➔ "18 ROP SETTING" (see page 32)
	CONTROL(MENU)2	
	CONTROL(MENU)3	
	CONTROL(MENU)4	
	CONTROL(MENU)5	
	B.GAMMA SW	
	MODE(ON/OFF)1	
	MODE(ON/OFF)2	
	MODE(ON/OFF)3	
	MODE(ON/OFF)4	
	MODE(ON/OFF)5	
	ECC BTN CTRL	
	ASSIGN BUTTON	
	USER ASSIGN	
	IRIS LEV MODE	
	CAM SEL	
	DTL VOL	
	SKIN DTL SW	
	LCD BRIGHT	
	PANEL LED BRIGHT	
	7SEG BRIGHT GROUP1	
	7SEG BRIGHT GROUP2	
	BUZZER	
	PERIOD	
	CYCLE	
	STD POSITION M.GAIN	
	STD POSITION VAR	
	STD POSITION ND	
	STD POSITION CC	
	IRIS PRIORITY	
	ROP DATA SAVE	
	ROP DATA LOAD	
	SD CARD FORMAT	
	INITIAL with NW	
INITIAL		
POWER BUTTON		
IRIS CALIBRATION TOP		
IRIS CALIBRATION BOTTOM		
RELATIVE MODE		
UPGRADE		
PAINT VOL CO		
SYSTEM VERSION		
SOFT VERSION		
FPGA VERSION		

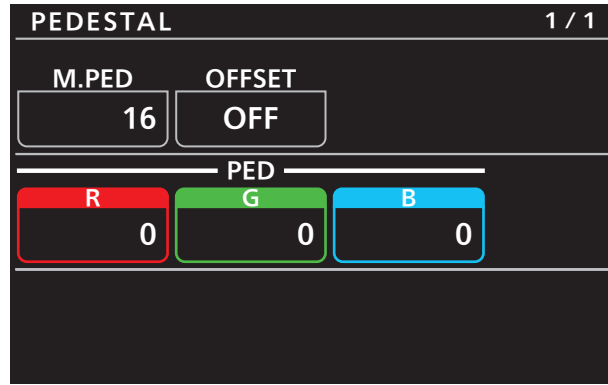
19 CONNECT SETTING	CONNECT MODE CAM1(push)	➔ "19 CONNECT SETTING" (see page 32)
	CONNECT MODE CAM2 to CAM99 (push)	
20 ROP IP SETTING	ROP IP ADDRESS	Refer to the following section in the Operating Instructions. ➔ "36 ROP IP SETTING"
	ROP PORT	
	UPLOAD	
	ROP SUBNET MASK	
	UPLOAD	
	ROP DEFAULT GATEWAY	
	UPLOAD	
	MAC ADDRESS	
21 CAMERA IP SETTING	CAM1 to CAM99 IP ADDRESS	Refer to the following section in the Operating Instructions. ➔ "37 CAMERA IP SETTING"
	CAM1 to CAM99 PORT	
	CAM1 to CAM99 INF UPLOAD	
22 AUTO IRIS SETTING	AUTO IRIS LEVEL	➔ "AUTO IRIS LEVEL" (see page 33)
	AUTO IRIS WINDOW	➔ "AUTO IRIS WINDOW" (see page 33)
23 SWITCHER LINK	SWITCHER IP ADDRESS	Refer to the following section in the Operating Instructions. ➔ "44 SWITCHER LINK"
	SWITCHER UDP PORT	
	INFO UPLOAD	
	SWITCHER LINK	
	TALLY RECEIVE	
	PREVIEW	
	TALLY ACTION MATERIAL	
	TALLY ACTION CAM No.	
24 AW CONTROLLER LINK	RECEIVE PORT	Refer to the following section in the Operating Instructions. ➔ "45 AW CONTROLLER LINK"
	INFO UPLOAD	
	AW CONT LINK	

## 01 SHUTTER SPEED

SHUTTER SPEED			1 / 1
SHUTTER	SPEED MODE	SYNC TYPE	
ON	FIX	SEC	
SPEED			
-			

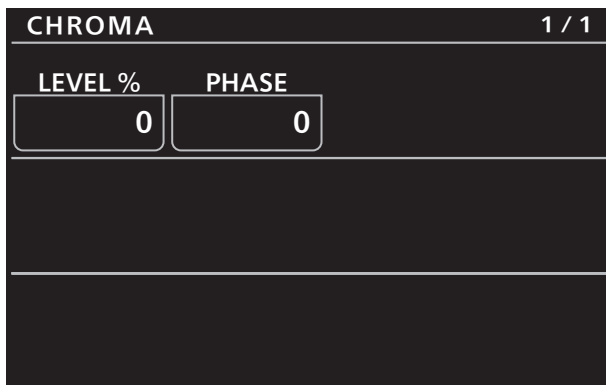
Item	Setting details
<b>SHUTTER</b>	Switches the shutter function ON/OFF.
<b>SPEED MODE</b>	Switches between fixed shutter and synchro scan.
<b>SYNC TYPE</b>	Switches the unit of the shutter setting.
<b>SPEED</b>	Sets the shutter speed in the unit selected in [SPEED MODE].

## 02 PEDESTAL



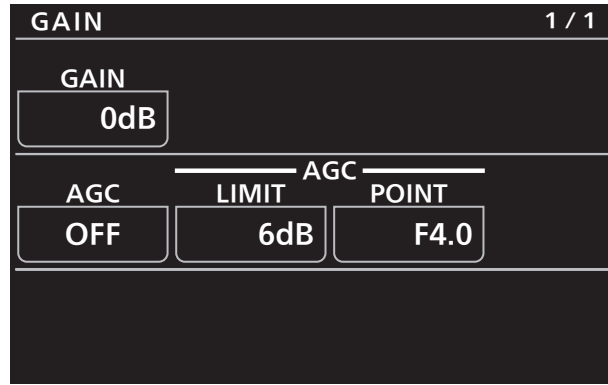
Item	Setting details
<b>M.PED</b>	Adjusts the black level (master pedestal level adjustment).
<b>OFFSET</b>	Sets whether or not to retain the pedestal levels of the R, G, and B channels when the auto black balance is adjusted.
<b>PED R</b>	Sets the red correction level for the master pedestal.
<b>PED G</b>	Sets the green correction level for the master pedestal.
<b>PED B</b>	Sets the blue correction level for the master pedestal.

### 03 CHROMA



Item	Setting details
<b>LEVEL %</b>	Sets the chroma level for the PR and PB signals.
<b>PHASE</b>	Finely adjusts the chroma phase for the PR and PB signals.

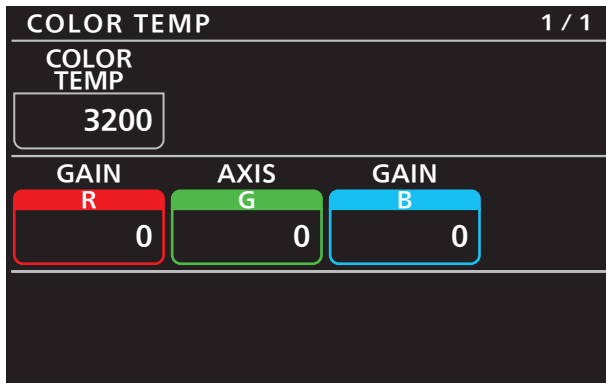
## 04 GAIN



Item	Setting details
<b>GAIN</b>	Adjusts the gain of video.
<b>AGC</b>	Turns auto gain control ON/OFF.
<b>AGC LIMIT</b>	Sets the maximum gain value for when [AGC] is "ON".
<b>AGC POINT</b>	Sets the F value to switch control from auto iris to auto gain when [AGC] is "ON".



## 05 COLOR TEMP



Item	Setting details
<b>COLOR TEMP</b>	Sets the color temperature.
<b>GAIN R</b>	Sets the red correction level for the color temperature.
<b>AXIS G</b>	Sets the green correction level for the color temperature.
<b>GAIN B</b>	Sets the blue correction level for the color temperature.

## 06 WHITE BALANCE

WHITE BALANCE
1 / 1

---

W.BAL  
SELECT

A

GAIN  
OFFSET

OFF

---

GAIN

R

0

B

0

---

ATW

SPEED

NORMAL

TARGET R

0

TARGET B

0

Item	Setting details
<b>W.BAL SELECT</b>	Sets the mode for the white balance.
<b>GAIN OFFSET</b>	Sets the value of the R channel gain and B channel gain for when [W.BAL SELECT] is set to A (AWB A) or B (AWB B) and automatic white balance is performed.
<b>GAIN R</b>	Adjusts the R channel gain.
<b>GAIN B</b>	Adjusts the B channel gain.
<b>ATW SPEED</b>	Sets the control speed of the auto tracking white balance function.
<b>ATW TARGET R</b>	Finely adjusts the R channel output for convergence with the auto tracking white balance operation.
<b>ATW TARGET B</b>	Finely adjusts the B channel output for convergence with the auto tracking white balance operation.

## 07 FLARE



Item	Setting details
FLARE R	Adjusts the R channel flare.
FLARE G	Adjusts the G channel flare.
FLARE B	Adjusts the B channel flare.
SW	Sets flare correction to ON/OFF.

## 08 GAMMA

GAMMA		1 / 2
MODE	GAMMA	SW
HD	0.45	ON
F-REC		
DYNMC LV	BLK.S LV	
600	0	
V-REC		
K.SLOPE	K.POINT	
500	30	

GAMMA		2 / 2
BLACK GAMMA	B.GAMMA RANGE	
0	1	

Item	Setting details
<b>MODE</b>	Selects the gamma mode.
<b>GAMMA</b>	Adjusts the gamma correction level. This is enabled when [MODE] is other than "HLG".
<b>SW</b>	Sets gamma correction to ON/OFF.
<b>F-REC DYNMC LV</b>	Sets the dynamic range. This is enabled when [MODE] is "F-REC" (FILM REC).
<b>F-REC BLK.S LV</b>	Sets the black stretch. This is enabled when [MODE] is "F-REC" (FILM REC).
<b>V-REC K.SLOPE</b>	Sets the knee slope. This is enabled when [MODE] is "V-REC" (VIDEO REC).
<b>V-REC K.POINT</b>	Sets the knee point. This is enabled when [MODE] is "V-REC" (VIDEO REC).
<b>BLACK GAMMA</b>	Sets the gamma curve for dark areas.
<b>B.GAMMA RANGE</b>	Sets the maximum level for compression/expansion.

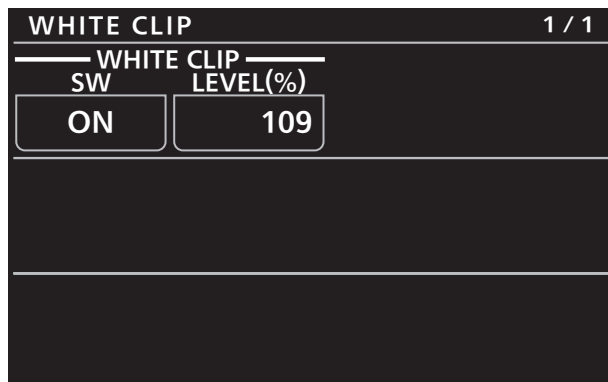
## 09 KNEE

KNEE			1 / 2
MODE	POINT	SLOPE	
AUTO	93.0	99	
AUTO KNEE			
RSPNS	POINT	LEVEL	
4	90	107	
HLG KNEE			
SW	POINT	SLOPE	
OFF	55	10	

KNEE		2 / 2
H.COLOR SW		
ON		

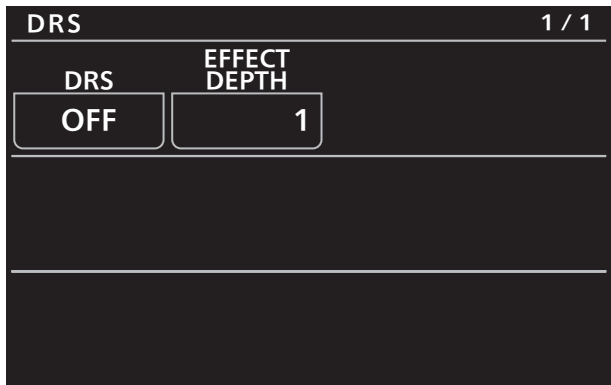
Item	Setting details
<b>MODE</b>	Sets the operating mode for gradation compression (knee).
<b>POINT</b>	Sets the compression level (knee point) position for high-brightness video signals. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG", and [MODE] is "MANUAL".
<b>SLOPE</b>	Sets the knee slope. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG", and [MODE] is "MANUAL".
<b>AUTO KNEE RSPNS</b>	Sets the auto knee response speed. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG".
<b>AUTO KNEE POINT</b>	Sets the auto knee point position in 1% steps.
<b>AUTO KNEE LEVEL</b>	Sets the auto knee level.
<b>HLG KNEE SW</b>	Turns the knee operation for HLG ON/OFF. This is enabled when [MODE] in the [GAMMA] menu is "HLG".
<b>HLG KNEE POINT</b>	Sets the knee point position for HLG. This is enabled when [MODE] in the [GAMMA] menu is "HLG".
<b>HLG KNEE SLOPE</b>	Sets the knee slope for HLG. This is enabled when [MODE] in the [GAMMA] menu is "HLG".
<b>H.COLOR SW</b>	Sets the mode that expands the color dynamic range to ON/OFF.

## 10 WHITE CLIP



Item	Setting details
<b>WHITE CLIP SW</b>	Enables or disables the white clip function. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG".
<b>WHITE CLIP LEVEL(%)</b>	Sets the white clip level. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG", and [WHITE CLIP SW] is "ON".

## 11 DRS



Item	Setting details
<b>DRS</b>	Switches the dynamic range stretcher function ON/OFF.
<b>EFFECT DEPTH</b>	Sets the compression level for high-brightness areas of the dynamic range stretcher function.

## 12 DETAIL

DETAIL		1 / 2
DTL	CORING	
0	15	
H.DTL LEVEL	V.DTL LEVEL	FREQ.
0	0	0
LEVEL DEPEND.	KNEE APE LV	
0	2	

DETAIL		2 / 2
GAIN(+)	GAIN(-)	
0	0	
DTL SW		
ON		

Item	Setting details
<b>DTL</b>	Sets the level of the overall detail effect (master detail). This is enabled when [DTL SW] is "ON".
<b>CORING</b>	Sets the level of signal (including noise) that does not activate the detail effect. This is enabled when [DTL SW] is "ON".
<b>H.DTL LEVEL</b>	Sets the intensity of the detail level in the horizontal direction. This is enabled when [DTL SW] is "ON".
<b>V.DTL LEVEL</b>	Sets the intensity of the detail level in the vertical direction. This is enabled when [DTL SW] is "ON".
<b>FREQ.</b>	Sets the thickness (boost frequency) of the detail. This is enabled when [DTL SW] is "ON".
<b>LEVEL DEPEND.</b>	Compresses the detail of dark areas when detail of the brightness signal is emphasized. The larger the setting value the more that detail of bright areas is compressed. This is enabled when [DTL SW] is "ON".
<b>KNEE APE LV</b>	Sets the detail level of high-brightness areas (extremely bright areas). This is enabled when [DTL SW] is "ON".
<b>GAIN(+)</b>	Sets the detail level of the plus direction (to make brighter). This is enabled when [DTL SW] is "ON".
<b>GAIN(-)</b>	Sets the detail level of the minus direction (to make darker). This is enabled when [DTL SW] is "ON".
<b>DTL SW</b>	Sets the detail function (video contour adjustment) to ON/OFF.



### 13 SKIN TONE DTL

SKIN TONE DTL 1 / 2

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SKIN TONE DTL

A B C

OFF OFF OFF

---

DETECT TBL EFFECT

A 16

---

I CENTER I WIDTH

35 2

SKIN TONE DTL 2 / 2

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Q WIDTH Q PHASE

2 0

---



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Item	Setting details
SKIN TONE DTL A	Sets the skin color table (skin tone detail A) used when applying skin tone detail to ON/OFF.
SKIN TONE DTL B	Sets the skin color table (skin tone detail B) used when applying skin tone detail to ON/OFF.
SKIN TONE DTL C	Sets the skin color table (skin tone detail C) used when applying skin tone detail to ON/OFF.
DETECT TBL	Selects the skin color table of the subject for which to set the skin detail.
EFFECT	Sets the effect level of skin tone detail.
I CENTER	Sets the center position (sets the area to which skin tone is applied) on the I axis.
I WIDTH	Sets the width of the area to which skin tone is applied on the I axis using the [I CENTER] setting as the center.
Q WIDTH	Sets the width of the area to which skin tone is applied on the Q axis using the [I CENTER] setting as the center.
Q PHASE	Sets the phase of the area to which skin tone is applied using the Q axis as the reference.

## 14 MATRIX

MATRIX			1 / 1
TABLE		ADAPTIVE MATRIX	
A		OFF	
R-G	R-B	G-R	
0	0	0	
G-B	B-R	B-G	
0	0	0	

Item	Setting details
<b>TABLE</b>	Selects the color correction table.
<b>ADAPTIVE MATRIX</b>	Sets the function to control the linear matrix in accordance with the shooting conditions to ON/OFF.
<b>R-G</b>	Adjusts the linear matrix between red and green.
<b>R-B</b>	Adjusts the linear matrix between red and blue.
<b>G-R</b>	Adjusts the linear matrix between green and red.
<b>G-B</b>	Adjusts the linear matrix between green and blue.
<b>B-R</b>	Adjusts the linear matrix between blue and red.
<b>B-G</b>	Adjusts the linear matrix between blue and green.

## 15 COLOR CORRECTION

COLOR CORRECTION		1 / 6
SAT R	PHASE R	
<input type="text" value="0"/>	<input type="text" value="0"/>	
SAT R-R-Mg	PHASE R-R-Mg	
<input type="text" value="0"/>	<input type="text" value="0"/>	
SAT R-Mg	PHASE R-Mg	
<input type="text" value="0"/>	<input type="text" value="0"/>	

COLOR CORRECTION		2 / 6
SAT Mg	PHASE Mg	
<input type="text" value="0"/>	<input type="text" value="0"/>	
SAT Mg-B	PHASE Mg-B	
<input type="text" value="0"/>	<input type="text" value="0"/>	
SAT B	PHASE B	
<input type="text" value="0"/>	<input type="text" value="0"/>	

COLOR CORRECTION		3 / 6
SAT B-Cy	PHASE B-Cy	
<input type="text" value="0"/>	<input type="text" value="0"/>	
SAT Cy	PHASE Cy	
<input type="text" value="0"/>	<input type="text" value="0"/>	
SAT Cy-G	PHASE Cy-G	
<input type="text" value="0"/>	<input type="text" value="0"/>	

COLOR CORRECTION		4 / 6
SAT G	PHASE G	
<input type="text" value="0"/>	<input type="text" value="0"/>	
SAT G-YI	PHASE G-YI	
<input type="text" value="0"/>	<input type="text" value="0"/>	
SAT G-YI-YI	PHASE G-YI-YI	
<input type="text" value="0"/>	<input type="text" value="0"/>	

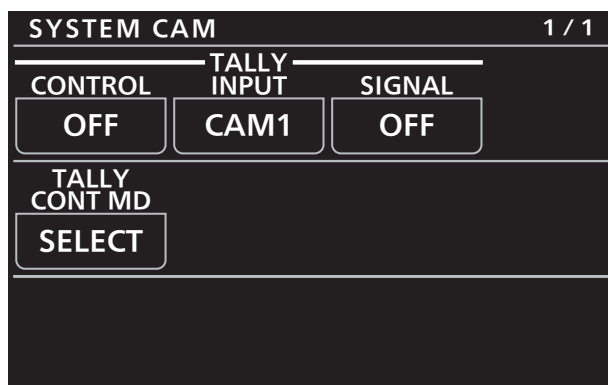
COLOR CORRECTION		5 / 6
SAT YI	PHASE YI	
0	0	
SAT YI-YI-R	PHASE YI-YI-R	
0	0	
SAT YI-R	PHASE YI-R	
0	0	

COLOR CORRECTION		6 / 6
SAT YI-R-R	PHASE YI-R-R	
0	0	
SW		
ON		

Item	Setting details
SAT R	Adjusts the saturation of red.
PHASE R	Adjusts the phase of red.
SAT R-R-Mg	Adjusts the saturation of the color with a 3:1 red to magenta ratio.
PHASE R-R-Mg	Adjusts the phase of the color with a 3:1 red to magenta ratio.
SAT R-Mg	Adjusts the saturation of the color between red and magenta.
PHASE R-Mg	Adjusts the phase of the color between red and magenta.
SAT Mg	Adjusts the saturation of magenta.
PHASE Mg	Adjusts phase of magenta.
SAT Mg-B	Adjusts the saturation of the color between magenta and blue.
PHASE Mg-B	Adjusts the phase of the color between magenta and blue.
SAT B	Adjusts the saturation of blue.
PHASE B	Adjusts the phase of blue.
SAT B-Cy	Adjusts the saturation of the color between blue and cyan.
PHASE B-Cy	Adjusts the phase of the color between blue and cyan.
SAT Cy	Adjusts the saturation of cyan.
PHASE Cy	Adjusts the phase of cyan.
SAT Cy-G	Adjusts the saturation of the color between cyan and green.
PHASE Cy-G	Adjusts the phase of the color between cyan and green.
SAT G	Adjusts the saturation of green.
PHASE G	Adjusts phase of green.
SAT G-YI	Adjusts the saturation of the color between green and yellow.
PHASE G-YI	Adjusts the phase of the color between green and yellow.
SAT G-YI-YI	Adjusts the saturation of the color with a 1:3 green to yellow ratio.
PHASE G-YI-YI	Adjusts the phase of the color with a 1:3 green to yellow ratio.
SAT YI	Adjusts the saturation of yellow.
PHASE YI	Adjusts the phase of yellow.
SAT YI-YI-R	Adjusts the saturation of the color with a 3:1 yellow to red ratio.

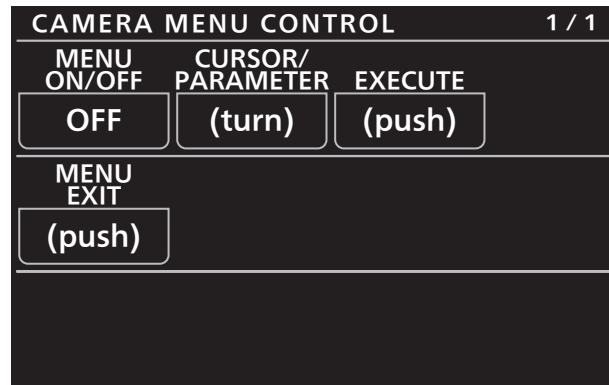
Item	Setting details
<b>PHASE YI-YI-R</b>	Adjusts the phase of the color with a 3:1 yellow to red ratio.
<b>SAT YI-R</b>	Adjusts the saturation of the color between yellow and red.
<b>PHASE YI-R</b>	Adjusts the phase of the color between yellow and red.
<b>SAT YI-R-R</b>	Adjusts the saturation of the color with a 1:3 yellow to red ratio.
<b>PHASE YI-R-R</b>	Adjusts the phase of the color with a 1:3 yellow to red ratio.
<b>SW</b>	Sets the color correction function to ON/OFF.

## 16 SYSTEM CAM



Item	Setting details
<b>TALLY CONTROL</b>	Sets whether or not to notify the camera when there is a tally input from the <PREVIEW> connector.
<b>TALLY INPUT</b>	Sets the camera to be notified of a tally input when [TALLY CONTROL] is set to "ON".
<b>TALLY SIGNAL</b>	Displays the status of the tally input to the unit. "ON" is displayed when there is input, and "OFF" when there is no input.
<b>TALLY CONT MD</b>	Sets the control method for when a tally is input to the unit.

## 17 CAMERA MENU CONTROL



Item	Setting details
<b>MENU ON/OFF</b>	Turns the menu ON/OFF.
<b>CURSOR/PARAMETER</b>	Moves the menu cursor or changes setting values.
<b>EXECUTE</b>	Executes the selected process.
<b>MENU EXIT</b>	Returns to the previous menu display.

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## 18 ROP SETTING

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For details on operations and settings, refer to the following section in the Operating Instructions.

➔ “34 ROP SETTING”

### NOTE

- [B.GAMMA SW] and [ECC BTN CTRL] do not function.
- Only “HD” can set for [DTL VOL] and [SKIN DTL SW].
- Only “ABS” can be set for [IRIS LEV MODE].
- When the unit is connected with the AJ-CX4000, the following functions can be assigned to buttons.

#### **[CONTROL(MENU)1] to [CONTROL(MENU)5]**

- SHUT (SHUTTER SPEED)
- PED (PEDESTAL)
- H.CHRM (CHROMA)
- GAIN
- TEMP (COLOR TEMP)
- FLARE
- GAMMA
- KNEE
- W.CLIP (WHITE CLIP)
- DRS
- HD.D (DETAIL)
- HD.S.DTL (SKIN TONE DTL)
- MATRIX
- C.CORR (COLOR CORRECTION)
- A.IRIS (AUTO IRIS SETTING)
- CAM\_MN (CAM MENU)

#### **[MODE(ON/OFF)1] to [MODE(ON/OFF)5]**

- GAMMA
- FLARE
- KNEE
- W.CLIP (WHITE CLIP)
- H.COL (HIGH COLOR)
- HD.D (DETAIL)
- UP, DOWN

#### **[ASSIGN BUTTON]**

- GAMMA
- FLARE
- KNEE
- W.CLIP (WHITE CLIP)
- HD.D (DTL)
- H.COL (HIGH COLOR)

#### **[USER ASSIGN]**

- M.GAMM (GAMMA)
- H.CHRM (CHROMA)
- DRS
- KNEE.S (KNEE SLOPE)
- HD.S.DTL (SKIN DTL)

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## 19 CONNECT SETTING

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When connecting the unit with the AJ-CX4000, set the camera connection method to “LAN(AJ2)”.

For details on operations and settings, refer to the following section in the Operating Instructions.

➔ “35 CONNECT SETTING”

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## 20 ROP IP SETTING

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For details on operations and settings, refer to the following section in the Operating Instructions.

➔ “36 ROP IP SETTING”

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## 21 CAMERA IP SETTING

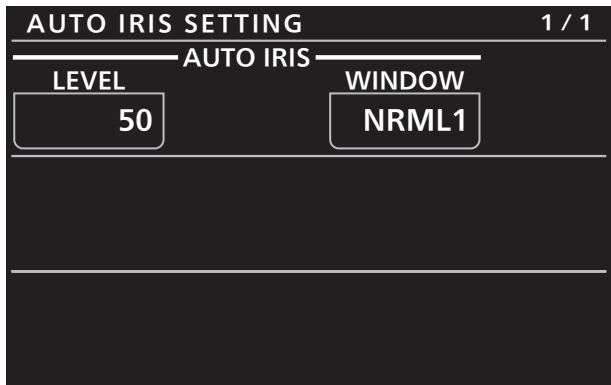
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For details on operations and settings, refer to the following section in the Operating Instructions.

➔ “37 CAMERA IP SETTING”



## 22 AUTO IRIS SETTING



Item	Setting details
AUTO IRIS LEVEL	Sets the auto iris level.
AUTO IRIS WINDOW	Selects the auto iris detection window.

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## **23 SWITCHER LINK**

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For details on operations and settings, refer to the following section in the Operating Instructions.

➡ "44 SWITCHER LINK"

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## **24 AW CONTROLLER LINK**

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For details on operations and settings, refer to the following section in the Operating Instructions.

➡ "45 AW CONTROLLER LINK"