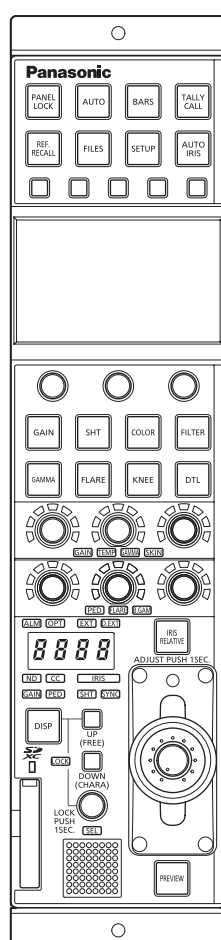# Operating Guide

Remote Operation Panel
Model No. **AK-HRP1015G**

Read this document when using the AK-HRP1015G Remote Operation Panel in conjunction with AG-CX350 Memory Card Camera-Recorder.

For details of operating Remote Operation Panel AK-HRP1015G, please visit the Panasonic website (https://pro-av.panasonic.net/manual/en/index.html), and refer to the Operating Instructions (HTML or PDF).

Panasonic

Table of Contents

Connecting the Unit to AG-CX350 Cameras

Connections

- Use a LAN cable to connect the <REMOTE> connector at the rear of the AG-CX350 to the <LAN> connector of the AK-HRP1015G.
- Set the connection setting to "LAN(AG)" in the [CONNECT SETTING] menu.

```
CONNECT SETTING                    1 / 17
──────CONNECT MODE(push)──────
   CAM1            CAM2            CAM3
   LAN             NON             NON
   (AG)
──────CONNECT MODE(push)──────
   CAM4            CAM5            CAM6
   NON             NON             NON
```
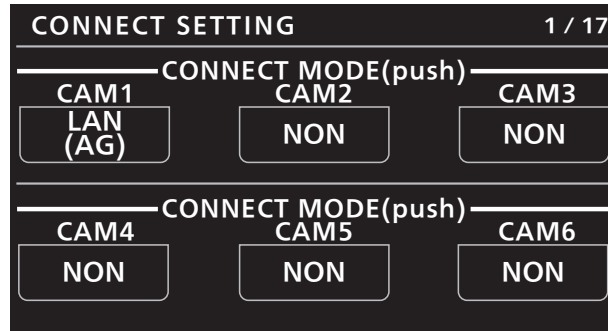
Compatible Functions List

When the unit is used in conjunction with an AG-CX350 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.
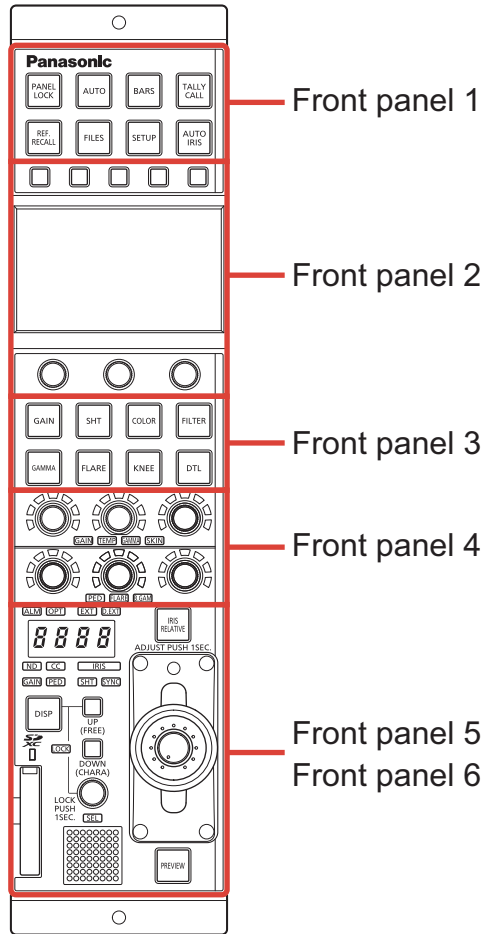
Number	Part name	✓ : Enabled ×: Disabled	Remarks
Front panel 1	[PANEL LOCK] button	✓	
	[AUTO] button	✓	This does not function when the auto setup setting is enabled.
	[BARS] button	✓	Controls ON/OFF of color bar signal output.
	[TALLY/CALL] lamp/button	✓	Tally only operation is possible.
	[REF. RECALL] button	✓	Press and hold this to start/stop recording.
	[FILES] button	✓	Press and hold this to switch to the scene selection menu.
	[SETUP] button	✓	
	[AUTO IRIS] button	✓	
Front panel 2	Function buttons	✓	
	LCD panel	✓	
	Menu operation dials	✓	

Number	Part name	✓ : Enabled ×: Disabled	Remarks
Front panel 3	[GAIN] button	✓	When this is set to ON, the [GAIN] menu is displayed on the LCD panel.
	[SHT] button	✓	When this is set to ON, the [SHUTTER SPEED] menu is displayed on the LCD panel.
	[COLOR] button	✓	The menus will switch with each press of the button. [WHITE BALANCE] > [CHROMA] > [MATRIX] > [COLOR CORRECTION] > Menu OFF (status screen)
	[FILTER] button	✓	When this is set to ON, the [FILTER] menu is displayed on the LCD panel.
	[GAMMA] button	✓	When this is set to ON, the [GAMMA] menu is displayed on the LCD panel.
	[FLARE] button	×	
	[KNEE] button	✓	The menus will switch with each press of the button. [KNEE] > [WHITE CLIP] > Menu OFF (status screen)
	[DTL] button	✓	The menus will switch with each press of the button. [DETAIL] > [SKIN TONE DTL] > Menu OFF (status screen)

Number	Part name	✓ : Enabled ×: Disabled	Remarks
Front panel 4	[GAIN], [TEMP], [GAMMA], [SKIN] adjustment block	✓	**When [GAIN] is lit** Adjusts the following. • Red (R) adjustment dial [WHITE BALANCE] > [GAIN R] • Blue (B) adjustment dial [WHITE BALANCE] > [GAIN B] **When [TEMP] is lit** Adjusts the following. • Red (R) adjustment dial [COLOR TEMP] > [GAIN R] • Green (G) adjustment dial [COLOR TEMP] > [AXIS G] • Blue (B) adjustment dial [COLOR TEMP] > [GAIN B] **When [GAMMA] is lit** Adjusts the following. • Green (G) adjustment dial [GAMMA] > [MASTER GAMMA] **When [SKIN] is lit** Adjusts the following. • Red (R) adjustment dial [SKIN TONE DTL] > [I CENTER] • Green (G) adjustment dial [SKIN TONE DTL] > [Q WIDTH]
	[PED], [FLARE], [B.GAM] adjustment block	✓	**When [PED] is lit** Adjusts the following. • Red (R) adjustment dial [PEDESTAL] > [PED R] • Green (G) adjustment dial [PEDESTAL] > [MASTER PED] • Blue (B) adjustment dial [PEDESTAL] > [PED B] **When [FLARE] is lit** FLARE cannot be controlled. "-" is displayed. **When [B.GAM] is lit** Adjusts the following. • Green (G) adjustment dial [GAMMA] > [BLACK GAMMA] • Blue (B) adjustment dial [GAMMA] > [B.GAMMA RANGE]

Number	Part name	✓ : Enabled ×: Disabled	Remarks
Front panel 5	[ALM] indicator	✓	
	[OPT] indicator	×	
	[EXT] indicator	×	
	[D.EXT] indicator	×	
	Adjustment value display	✓	Displays the adjustment values except for CC. **When the [SHT] indicator and [SYNC] indicator are lit** Displays the following. • Fixed shutter is selected (dot lights at bottom right) Numerical value for the denominator of the shutter speed • Synchro scan (time display) is selected 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) • Synchro scan (shutter open angle display) is selected Setting value of shutter open angle
	[ND] indicator	✓	Displayed only. Cannot be adjusted.
	[CC] indicator	✓	Lights but "-" is displayed. Cannot be adjusted.
	[IRIS] indicator	✓	
	[GAIN] indicator	✓	
	[PED] indicator	✓	
	[SHT] indicator	✓	
	[SYNC] indicator	✓	
	[DISP] button	✓	
	[UP (FREE)] button	✓	
	[DOWN (CHARA)] button	✓	
	[LOCK] indicator	✓	
	[SEL] dial	✓	
Front panel 6	Memory card slot	✓	
	Memory card access indicator	✓	
	Camera number/tally display	✓	
	[IRIS RELATIVE] button	✓	
	Torque adjustment screw	✓	
	IRIS lever	✓	
	Master pedestal dial	✓	
	[PREVIEW] button	×	

ROP Menu (during AG-CX350 Connection)

ROP menu list

When an AG-CX350 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 2.10-00-0.00 or later.
- The setting values of functions that are not supported are indicated as "—".

01 SCENE	SCENE1	➡ "SCENE1" (see page 13)
	SCENE2	➡ "SCENE2" (see page 13)
	SCENE3	➡ "SCENE3" (see page 13)
	SCENE4	➡ "SCENE4" (see page 13)
	SCENE5	➡ "SCENE5" (see page 13)
	SCENE6	➡ "SCENE6" (see page 13)
02 SHUTTER SPEED	SHUTTER	➡ "SHUTTER" (see page 14)
	SPEED MODE	➡ "SPEED MODE" (see page 14)
	SYNC TYPE	➡ "SYNC TYPE" (see page 14)
	SPEED	➡ "SPEED" (see page 14)
	AUTO SHUTTER	➡ "AUTO SHUTTER" (see page 14)
	AUTO SHUTTER LIMIT	➡ "AUTO SHUTTER LIMIT" (see page 14)
	AUTO SHUTTER POINT	➡ "AUTO SHUTTER POINT" (see page 14)
03 FILTER	ND	➡ "ND" (see page 14)
	CC	➡ "CC" (see page 14)
04 PEDESTAL	M.PED	➡ "M.PED" (see page 15)
	OFFSET	➡ "OFFSET" (see page 15)
	PED R	➡ "PED R" (see page 15)
	PED G	➡ "PED G" (see page 15)
	PED B	➡ "PED B" (see page 15)
05 CHROMA	LEVEL %	➡ "LEVEL %" (see page 15)
	PHASE	➡ "PHASE" (see page 15)
06 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)
07 COLOR TEMP	COLOR TEMP	➡ "COLOR TEMP" (see page 16)
	GAIN R	➡ "GAIN R" (see page 16)
	AXIS G	➡ "AXIS G" (see page 16)
	GAIN B	➡ "GAIN B" (see page 16)

08 WHITE BALANCE	W.BAL SELECT	➡ "W.BAL SELECT" (see page 17)
	GAIN OFFSET	➡ "GAIN OFFSET" (see page 17)
	GAIN R	➡ "GAIN R" (see page 17)
	GAIN B	➡ "GAIN B" (see page 17)
	ATW SPEED	➡ "ATW SPEED" (see page 17)
	ATW TARGET R	➡ "ATW TARGET R" (see page 17)
	ATW TARGET B	➡ "ATW TARGET B" (see page 17)
09 GAMMA	MODE	➡ "MODE" (see page 18)
	GAMMA	➡ "GAMMA" (see page 18)
	F-REC DYNMC LV	➡ "F-REC DYNMC LV" (see page 18)
	F-REC BLK.S LV	➡ "F-REC BLK.S LV" (see page 18)
	V-REC K.SLOPE	➡ "V-REC K.SLOPE" (see page 18)
	V-REC K.POINT	➡ "V-REC K.POINT" (see page 18)
	BLACK GAMMA	➡ "BLACK GAMMA" (see page 18)
	B.GAMMA RANGE	➡ "B.GAMMA RANGE" (see page 18)
10 KNEE	MODE	➡ "MODE" (see page 19)
	POINT	➡ "POINT" (see page 19)
	SLOPE	➡ "SLOPE" (see page 19)
	A.KNEE RSPNS	➡ "A.KNEE RSPNS" (see page 19)
	HLG KNEE SW	➡ "HLG KNEE SW" (see page 19)
	HLG KNEE POINT	➡ "HLG KNEE POINT" (see page 19)
	HLG KNEE SLOPE	➡ "HLG KNEE SLOPE" (see page 19)
	H.COLOR SW	➡ "H.COLOR SW" (see page 19)
11 WHITE CLIP	WHITE CLIP SW	➡ "WHITE CLIP SW" (see page 20)
	WHITE CLIP LEVEL(%)	➡ "WHITE CLIP LEVEL(%)" (see page 20)
12 DRS	DRS	➡ "DRS" (see page 20)
	EFFECT DEPTH	➡ "EFFECT DEPTH" (see page 20)
13 DETAIL	DTL	➡ "DTL" (see page 21)
	CORING	➡ "CORING" (see page 21)
	V.DTL LEVEL	➡ "V.DTL LEVEL" (see page 21)
	FREQ.	➡ "FREQ." (see page 21)
	LEVEL DEPEND.	➡ "LEVEL DEPEND." (see page 21)
	KNEE APE LV	➡ "KNEE APE LV" (see page 21)
	GAIN(+)	➡ "GAIN(+)" (see page 21)
	GAIN(-)	➡ "GAIN(-)" (see page 21)
	DTL SW	➡ "DTL SW" (see page 21)
14 SKIN TONE DTL	SKIN TONE DTL A	➡ "SKIN TONE DTL A" (see page 22)
	SKIN TONE DTL B	➡ "SKIN TONE DTL B" (see page 22)
	SKIN TONE DTL C	➡ "SKIN TONE DTL C" (see page 22)
	DETECT TBL	➡ "DETECT TBL" (see page 22)
	EFFECT	➡ "EFFECT" (see page 22)
	I CENTER	➡ "I CENTER" (see page 22)
	I WIDTH	➡ "I WIDTH" (see page 22)
	Q WIDTH	➡ "Q WIDTH" (see page 22)
	Q PHASE	➡ "Q PHASE" (see page 22)

15 MATRIX	TYPE	➡ "TYPE" (see page 23)
	ADAPTIVE MATRIX	➡ "ADAPTIVE MATRIX" (see page 23)
	R-G	➡ "R-G" (see page 23)
	R-B	➡ "R-B" (see page 23)
	G-R	➡ "G-R" (see page 23)
	G-B	➡ "G-B" (see page 23)
	B-R	➡ "B-R" (see page 23)
	B-G	➡ "B-G" (see page 23)
16 COLOR CORRECTION	SAT R	➡ "SAT R" (see page 25)
	PHASE R	➡ "PHASE R" (see page 25)
	SAT R-R-Mg	➡ "SAT R-R-Mg" (see page 25)
	PHASE R-R-Mg	➡ "PHASE R-R-Mg" (see page 25)
	SAT R-Mg	➡ "SAT R-Mg" (see page 25)
	PHASE R-Mg	➡ "PHASE R-Mg" (see page 25)
	SAT Mg	➡ "SAT Mg" (see page 25)
	PHASE Mg	➡ "PHASE Mg" (see page 25)
	SAT Mg-B	➡ "SAT Mg-B" (see page 25)
	PHASE Mg-B	➡ "PHASE Mg-B" (see page 25)
	SAT B	➡ "SAT B" (see page 25)
	PHASE B	➡ "PHASE B" (see page 25)
	SAT B-Cy	➡ "SAT B-Cy" (see page 25)
	PHASE B-Cy	➡ "PHASE B-Cy" (see page 25)
	SAT Cy	➡ "SAT Cy" (see page 25)
	PHASE Cy	➡ "PHASE Cy" (see page 25)
	SAT Cy-G	➡ "SAT Cy-G" (see page 25)
	PHASE Cy-G	➡ "PHASE Cy-G" (see page 25)
	SAT G	➡ "SAT G" (see page 25)
	PHASE G	➡ "PHASE G" (see page 25)
	SAT G-Yl	➡ "SAT G-Yl" (see page 25)
	PHASE G-Yl	➡ "PHASE G-Yl" (see page 26)
	SAT G-Yl-Yl	➡ "SAT G-Yl-Yl" (see page 26)
	PHASE G-Yl-Yl	➡ "PHASE G-Yl-Yl" (see page 26)
	SAT Yl	➡ "SAT Yl" (see page 26)
	PHASE Yl	➡ "PHASE Yl" (see page 26)
	SAT Yl-Yl-R	➡ "SAT Yl-Yl-R" (see page 26)
	PHASE Yl-Yl-R	➡ "PHASE Yl-Yl-R" (see page 26)
	SAT Yl-R	➡ "SAT Yl-R" (see page 26)
	PHASE Yl-R	➡ "PHASE Yl-R" (see page 26)
	SAT Yl-R-R	➡ "SAT Yl-R-R" (see page 26)
	PHASE Yl-R-R	➡ "PHASE Yl-R-R" (see page 26)
17 IRIS RELATIVE	SENSE	Refer to the following section in the Operating Instructions.
	COARSE	➡ "29 IRIS RELATIVE"
	RELATIVE	
18 SYSTEM CAM	TALLY CONTROL	➡ "TALLY CONTROL" (see page 27)
	TALLY INPUT	➡ "TALLY INPUT" (see page 27)
	TALLY SIGNAL	➡ "TALLY SIGNAL" (see page 27)
	TALLY CONT MD	➡ "TALLY CONT MD" (see page 27)

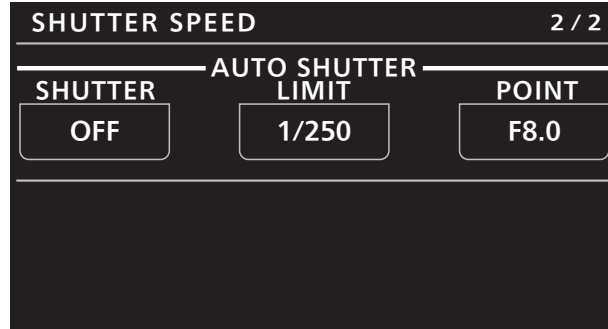|		
19 CAMERA MENU CONTROL	MENU ON/OFF	➡ "MENU ON/OFF" (see page 27)
	CURSOR/PARAMETER	➡ "CURSOR/PARAMETER" (see page 27)
	EXECUTE	➡ "EXECUTE" (see page 27)
	MENU EXIT	➡ "MENU EXIT" (see page 27)
20 ROP SETTING	IRIS LEV MODE	➡ "20 ROP SETTING" (see page 28)
	M.PED CONT	Refer to the following section in the Operating Instructions. ➡ "37 ROP SETTING"
	LOCK SELECT	
	AUTO BUTTON	
	G/M PED VOL	
	FREE+LOCK	
	CAM SEL	
	DTL BUTTON	
	SKIN VOL	
	LCD BRIGHT	
	PANEL BRIGHT	
	B.GAMMA VOL	
	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	
	UPGRADE	
	IRIS CALIBRATION TOP	
	IRIS CALIBRATION BOTTOM	
	SYSTEM VERSION	
	SOFT VERSION	
	FPGA VERSION	
21 CONNECT SETTING	CONNECT MODE(push) CAM1	➡ "CONNECT MODE(push) CAM1" (see page 28)
	CONNECT MODE(push) CAM2 to CAM99	➡ "CONNECT MODE(push) CAM2 to CAM99" (see page 28)

22 ROP IP SETTING	IP ADDRESS 1	Refer to the following section in the Operating Instructions. ➡ "39 ROP IP SETTING"
	IP ADDRESS 2	
	IP ADDRESS 3	
	IP ADDRESS 4	
	IP ADDRESS PORT	
	IP ADDRESS UPLOAD	
	SUBNET MASK 1	
	SUBNET MASK 2	
	SUBNET MASK 3	
	SUBNET MASK 4	
	SUBNET MASK UPLOAD	
	DEFAULT GATEWAY	
	DEFAULT GATEWAY UPLOAD	
	MAC ADDRESS	
23 CAMERA IP SETTING	CAM1 to CAM99 IP ADDRESS	Refer to the following section in the Operating Instructions. ➡ "40 CAMERA IP SETTING"
	CAM1 to CAM99 PORT	
	CAM1 to CAM99 INF UPLOAD	
24 AUTO IRIS SETTING	AUTO IRIS LEVEL	➡ "AUTO IRIS LEVEL" (see page 29)
	AUTO IRIS SPEED	➡ "AUTO IRIS SPEED" (see page 29)
	AUTO IRIS WINDOW	➡ "AUTO IRIS WINDOW" (see page 29)
25 SWITCHER LINK	SWITCHER IP ADDRESS	Refer to the following sections in "Linking the Unit to the AV-HS6000". ➡ "47 SWITCHER LINK"
	SWITCHER UDP PORT	
	INFO UPLOAD	
	SWITCHER LINK	
	TALLY RECEIVE	
	PREVIEW	
	TALLY ACTION MATERIAL	
	TALLY ACTION CAM No.	
26 AW CONTROLLER LINK	RECEIVE PORT	Refer to the following section in the Operating Instructions. ➡ "47 AW CONTROLLER LINK"
	INFO UPLOAD	
	AW CONT LINK	

01 SCENE

```
┌─────────────────────────────────────────────────┐
│ SCENE                                    1 / 1   │
│ ─────────────────────────────────────────────── │
│   SCENE1          SCENE2          SCENE3         │
│   (push)          (push)          (push)         │
│  ┌────────┐      ┌────────┐      ┌────────┐      │
│  │   ON   │      │  OFF   │      │  OFF   │      │
│  └────────┘      └────────┘      └────────┘      │
│   SCENE4          SCENE5          SCENE6         │
│   (push)          (push)          (push)         │
│  ┌────────┐      ┌────────┐      ┌────────┐      │
│  │  OFF   │      │  OFF   │      │  OFF   │      │
│  └────────┘      └────────┘      └────────┘      │
└─────────────────────────────────────────────────┘
```

Item	Setting details
SCENE1	Sets a scene file to ON/OFF.
SCENE2	• When a scene file is set to ON, the other scene files are set to OFF.
SCENE3	
SCENE4	
SCENE5	
SCENE6	

02 SHUTTER SPEED

```
SHUTTER SPEED                    1 / 2

                 SPEED              SYNC
  SHUTTER        MODE               TYPE
    ON            FIX                SEC

  SPEED
   100
```

```
SHUTTER SPEED                    2 / 2

  ────────── AUTO SHUTTER ──────────
  SHUTTER        LIMIT              POINT
    OFF          1/250             F8.0
```
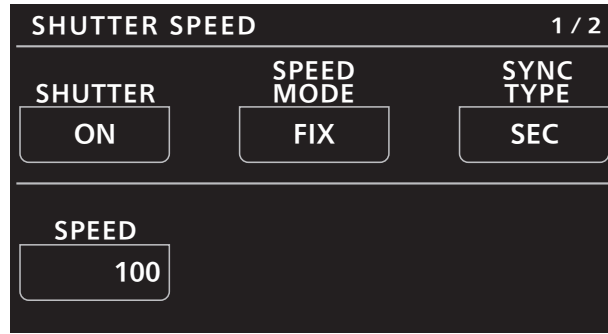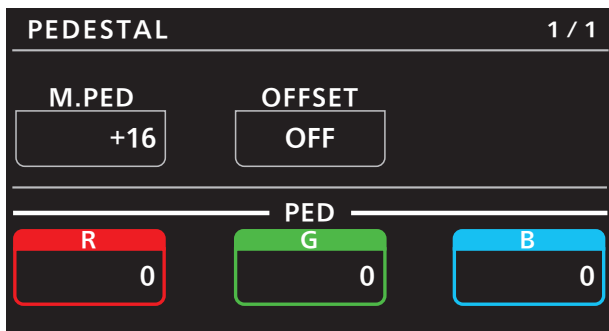
Item	Setting details
SHUTTER	Switches the shutter function ON/OFF.
SPEED MODE	Switches between fixed shutter and synchro scan.
SYNC TYPE	Switches the unit of the shutter setting.
SPEED	Sets the shutter speed in the unit selected in [SYNC TYPE].
AUTO SHUTTER	Switches the auto shutter function ON/OFF.
AUTO SHUTTER LIMIT	Sets the maximum level of the auto shutter speed.
AUTO SHUTTER POINT	Sets the F value to switch control from auto iris to auto shutter during the auto shutter operation.

03 FILTER

```
FILTER                           1 / 1

      ND             CC
       1              –
```

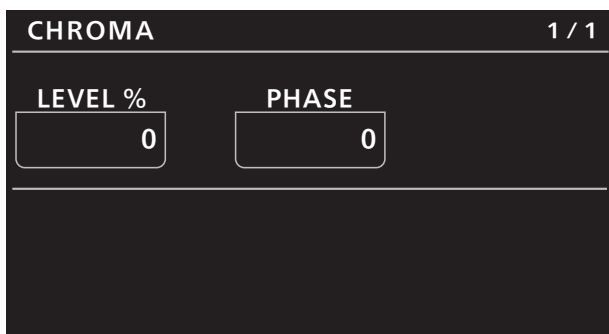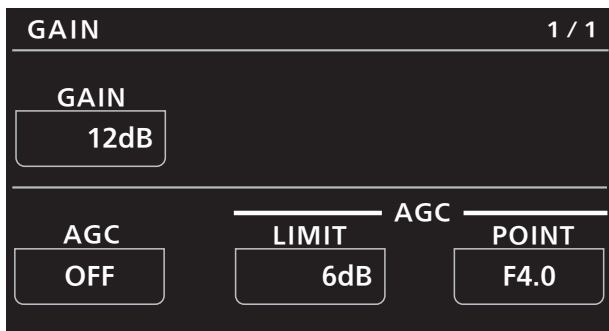| Item	Setting details
ND	Displays the information for the ND filter (the settings cannot be changed).
CC	Displays the information for the CC filter (the settings cannot be changed). "-" is displayed.

04 PEDESTAL

```
PEDESTAL                          1 / 1

      M.PED          OFFSET
       +16            OFF

                      PED
      R              G              B
         0              0              0
```

Item	Setting details
M.PED	Adjusts the black level (master pedestal level adjustment).
OFFSET	Sets the R channel, G channel, and B channel pedestal levels when the auto black balance is adjusted.
PED R	Adjusts the R channel pedestal.
PED G	Adjusts the G channel pedestal.
PED B	Adjusts the B channel pedestal.

05 CHROMA

```
CHROMA                            1 / 1

     LEVEL %        PHASE
          0              0
```

Item	Setting details
LEVEL %	Sets the color intensity of images.
PHASE	Finely adjusts the color phase of images.

06 GAIN

GAIN	**1 / 1**
GAIN	
12dB	
	AGC
AGC	LIMIT	POINT
OFF	6dB	F4.0

Item	Setting details
GAIN	Adjusts the gain of video.
AGC	Enables or disables the auto gain function.
AGC LIMIT	Sets the maximum gain-up amount when [AGC] is set to "ON".
AGC POINT	Sets the F value to switch control from auto iris to auto gain when [AGC] is "ON".

07 COLOR TEMP

COLOR TEMP	**1 / 1**
COLOR TEMP	
3200	
GAIN	AXIS	GAIN
R	G	B
0	0	0
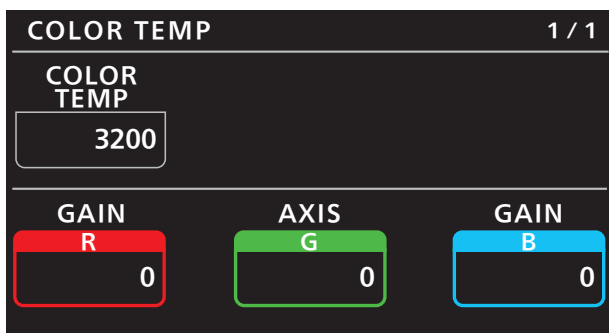
Item	Setting details
COLOR TEMP	Sets the color temperature.
GAIN R	Sets the red correction level for the color temperature.
AXIS G	Sets the green correction level for the color temperature.
GAIN B	Sets the blue correction level for the color temperature.

08 WHITE BALANCE

```
WHITE BALANCE                    1 / 2
    W.BAL              GAIN
   SELECT             OFFSET
   3200K                OFF

──────────────── GAIN ────────────────
    R                              B
          0                              0
```

```
WHITE BALANCE                    2 / 2
──────────────── ATW ────────────────
  SPEED         TARGET R        TARGET B
  NORMAL              0               0
```

Item	Setting details
W.BAL SELECT	Sets the mode for the white balance.
GAIN OFFSET	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.
GAIN R	Adjusts the R channel gain.
GAIN B	Adjusts the B channel gain.
ATW SPEED	Sets the control speed of the ATW function.
ATW TARGET R	Finely adjusts the R channel output when converged in the auto tracking white balance operation.
ATW TARGET B	Finely adjusts the B channel output when converged in the auto tracking white balance operation.

09 GAMMA

```
GAMMA                          1 / 2

        MODE              GAMMA
        HD                 0.45

   ──────── F-REC ────────
   DYNMC LV           BLK.S LV
      600                 0
```

```
GAMMA                          2 / 2

   ──────── V-REC ────────
   K.SLOPE            K.POINT
     500                 30

   BLACK             B.GAMMA
   GAMMA              RANGE
      0                  1
```

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

## 10 KNEE

Item	Setting details
MODE	Sets the operating mode for gradation compression (knee).
POINT	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".
SLOPE	Sets the knee slope. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG", and [MODE] is "MANUAL".
A.KNEE RSPNS	Sets the auto knee response speed. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG".
HLG KNEE SW	Enables or disables knee operation for HLG. This is enabled when [MODE] in the [GAMMA] menu is "HLG".
HLG KNEE POINT	Sets the knee point position for HLG. This is enabled when [MODE] in the [GAMMA] menu is "HLG".
HLG KNEE SLOPE	Sets the knee slope for HLG. This is enabled when [MODE] in the [GAMMA] menu is "HLG".
H.COLOR SW	This does not function with AG-CX350.

11 WHITE CLIP

```
WHIE CLIP                              1 / 1
         ──────WHITE CLIP──────
     SW              LEVEL(%)
    OFF                 109
```
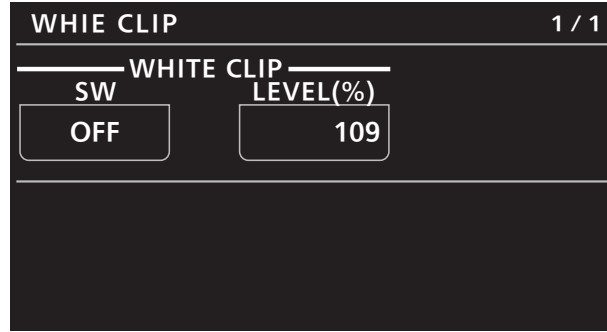
Item	Setting details
WHITE CLIP SW	Enables or disables the white clip function. This is enabled when [MODE] in the [GAMMA] menu is other than "HLG".
WHITE CLIP LEVEL(%)	Sets the white clip level. This is enabled when [WHITE CLIP SW] is "ON" and when [MODE] in the [GAMMA] menu is other than "HLG".

12 DRS

```
DRS                                    1 / 1
                    EFFECT
                    DEPTH
     DRS
    OFF                  1
```
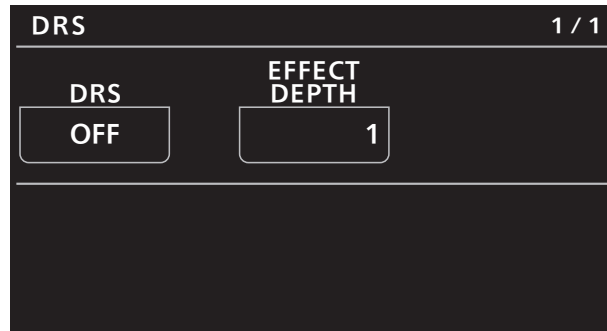
Item	Setting details
DRS	Switches the dynamic range stretcher function, which performs correction appropriately when video with high light/dark contrast is displayed, ON/OFF.
EFFECT DEPTH	Sets the compression level for high-brightness areas of the dynamic range stretcher function.

13 DETAIL

```
DETAIL                          1 / 3

        DTL              CORING

          0                 15


     V.DTL
     LEVEL              FREQ.

          0                 0
```

```
DETAIL                          2 / 3

     LEVEL               KNEE
     DEPEND.            APE LV

          0                 2


      GAIN(+)            GAIN(-)

          0                 0
```

```
DETAIL                          3 / 3

        DTL
        SW

         ON
```

Item	Setting details
DTL	Adjusts the contour correction level (master). This is enabled when [DTL SW] is "ON".
CORING	Sets the level of signal (including noise) that does not activate the detail effect. This is enabled when [DTL SW] is "ON".
V.DTL LEVEL	Adjusts the vertical contour correction level. This is enabled when [DTL SW] is "ON".
FREQ.	Sets the thickness (boost frequency) of the detail. This is enabled when [DTL SW] is "ON".
LEVEL DEPEND.	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".
KNEE APE LV	Sets the detail level of high-brightness areas (extremely bright areas). This is enabled when [DTL SW] is "ON".
GAIN(+)	Sets the detail level of the plus direction (to make brighter). This is enabled when [DTL SW] is "ON".
GAIN(-)	Sets the detail level of the minus direction (to make darker). This is enabled when [DTL SW] is "ON".
DTL SW	Sets the detail function (video contour adjustment) to ON/OFF.

14 SKIN TONE DTL

```
SKIN TONE DTL                    1 / 2
━━━━━━━━ SKIN TONE DTL ━━━━━━━━
     A            B            C
  ┌──────┐   ┌──────┐   ┌──────┐
  │ OFF  │   │ OFF  │   │ OFF  │
  └──────┘   └──────┘   └──────┘

          DETECT
           TBL        EFFECT
        ┌──────┐   ┌──────┐
        │  A   │   │   16 │
        └──────┘   └──────┘
```

```
SKIN TONE DTL                    2 / 2

  I CENTER      I WIDTH
  ┌──────┐   ┌──────┐
  │   35 │   │    2 │
  └──────┘   └──────┘

  Q WIDHT       Q PHASE
  ┌──────┐   ┌──────┐
  │    2 │   │    0 │
  └──────┘   └──────┘
```

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 skin tone areas.
Q PHASE	Sets the phase of the area to which skin tone is applied using the Q axis as the reference.

15 MATRIX

```
MATRIX                                    1 / 2

     TYPE                           ADAPTIVE
                                     MATRIX
   NRML1              - 23 -           OFF


     R-G               R-B              G-R
        0                 0                0
```

```
MATRIX                                    2 / 2

     G-B               B-R              B-G
        0                 0                0
```

Item	Setting details
TYPE	Selects the type of color matrix.
ADAPTIVE MATRIX	Sets the function to control the linear matrix in accordance with the shooting conditions to ON/OFF.
R-G	Adjusts the linear matrix between red and green.
R-B	Adjusts the linear matrix between red and blue.
G-R	Adjusts the linear matrix between green and red.
G-B	Adjusts the linear matrix between green and blue.
B-R	Adjusts the linear matrix between blue and red.
B-G	Adjusts the linear matrix between blue and green.

16 COLOR CORRECTION

COLOR CORRECTION	1 / 8

SAT R	PHASE R
0	-24 0

SAT R-R-Mg	PHASE R-R-Mg
0	0

COLOR CORRECTION	2 / 8

SAT R-Mg	PHASE R-Mg
0	0

SAT Mg	PHASE Mg
0	0

COLOR CORRECTION	3 / 8

SAT Mg-B	PHASE Mg-B
0	0

SAT B	PHASE B
0	0

COLOR CORRECTION	4 / 8

SAT B-Cy	PHASE B-Cy
0	0

SAT Cy	PHASE Cy
0	0

COLOR CORRECTION	5 / 8

SAT Cy-G	PHASE Cy-G
0	0

SAT G	PHASE G
0	0

```
COLOR CORRECTION                    6 / 8
    SAT              PHASE
    G-Yl             G-Yl
      0                0

    SAT              PHASE
    G-Yl-Yl          G-Yl-Yl
      0                0
```

```
COLOR CORRECTION                    7 / 8
    SAT              PHASE
    Yl               Yl
      0                0

    SAT              PHASE
    Yl-Yl-R          Yl-Yl-R
      0                0
```

```
COLOR CORRECTION                    8 / 8
    SAT              PHASE
    Yl-R             Yl-R
      0                0

    SAT              PHASE
    Yl-R-R           Yl-R-R
      0                0
```

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-Yl	Adjusts the saturation of the color between green and yellow.

Item	Setting details
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.
PHASE YI-YI-R	Adjusts the phase of the color with a 3:1 yellow to red ratio.
SAT YI-R	Adjusts the saturation of the color between yellow and red.
PHASE YI-R	Adjusts the phase of the color between yellow and red.
SAT YI-R-R	Adjusts the saturation of the color with a 1:3 yellow to red ratio.
PHASE YI-R-R	Adjusts the phase of the color with a 1:3 yellow to red ratio.

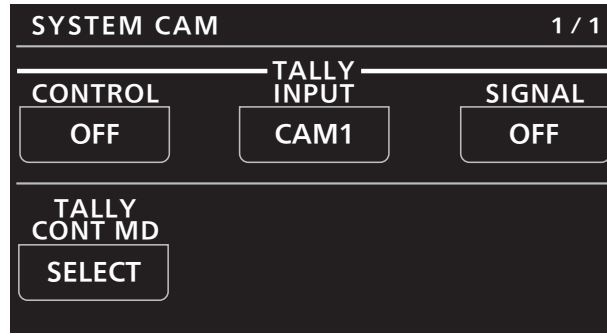# 17 IRIS RELATIVE

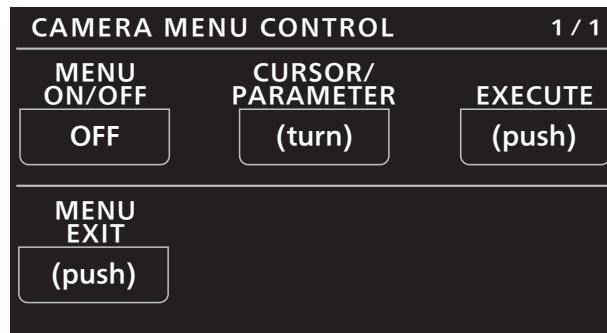For details on operations and settings, refer to the following section in the Operating Instructions.

➡ "29 IRIS RELATIVE"

18 SYSTEM CAM

```
SYSTEM CAM                           1 / 1
─────────────── TALLY ───────────────
CONTROL        INPUT          SIGNAL
 ┌─────┐      ┌─────┐        ┌─────┐
 │ OFF │      │CAM1 │        │ OFF │
 └─────┘      └─────┘        └─────┘

 TALLY
CONT MD
┌──────┐
│SELECT│
└──────┘
```

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

19 CAMERA MENU CONTROL

```
CAMERA MENU CONTROL                  1 / 1
 MENU          CURSOR/
ON/OFF        PARAMETER       EXECUTE
 ┌─────┐      ┌──────┐       ┌──────┐
 │ OFF │      │(turn)│       │(push)│
 └─────┘      └──────┘       └──────┘

 MENU
 EXIT
┌──────┐
│(push)│
└──────┘
```

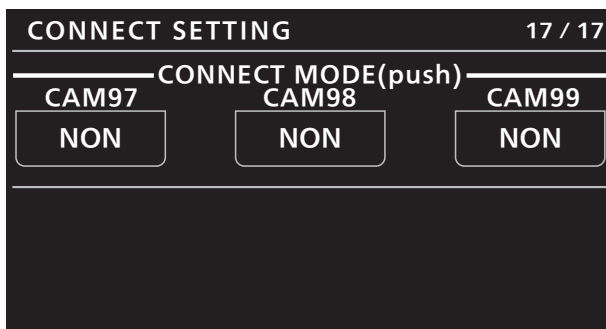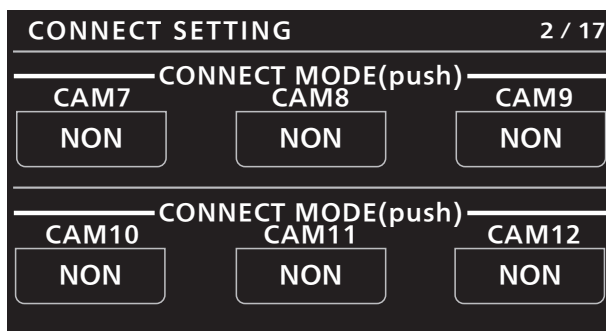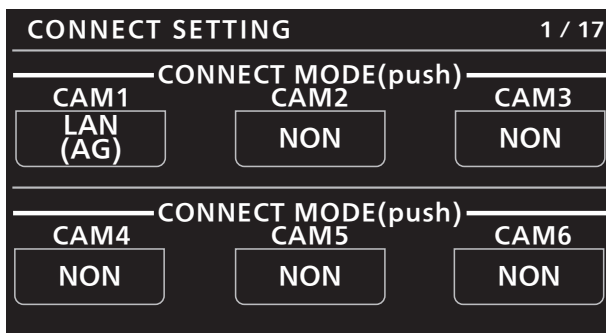| Item	Setting details
MENU ON/OFF	Sets the camera menu to ON/OFF.
CURSOR/PARAMETER	Moves the menu cursor or changes setting values.
EXECUTE	Selects a menu or confirms changed parameters.
MENU EXIT	Returns to the menu above the displayed menu.

20 ROP SETTING

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

➡ "37 ROP SETTING"

📝 *NOTE*

● Only "ABS" can be set for [IRIS LEV MODE].

21 CONNECT SETTING

CONNECT SETTING		1 / 17
CONNECT MODE(push)		
CAM1	CAM2	CAM3
LAN (AG)	NON	NON
CONNECT MODE(push)		
CAM4	CAM5	CAM6
NON	NON	NON

CONNECT SETTING		2 / 17
CONNECT MODE(push)		
CAM7	CAM8	CAM9
NON	NON	NON
CONNECT MODE(push)		
CAM10	CAM11	CAM12
NON	NON	NON

CONNECT SETTING		17 / 17
CONNECT MODE(push)		
CAM97	CAM98	CAM99
NON	NON	NON

Item	Setting details
CONNECT MODE(push) CAM1	Sets the connection method for camera 1. After configuring the settings, press the menu operation dial to apply the settings.
CONNECT MODE(push) CAM2 to CAM99	Sets the connection method for cameras 2 to 99. After configuring the settings, press the menu operation dial to apply the settings.

📝 *NOTE*

● When connecting the unit with the AG-CX350, set this to "LAN(AG)".

22 ROP IP SETTING

For details on operations and settings, refer to the following section in the Operating Instructions.
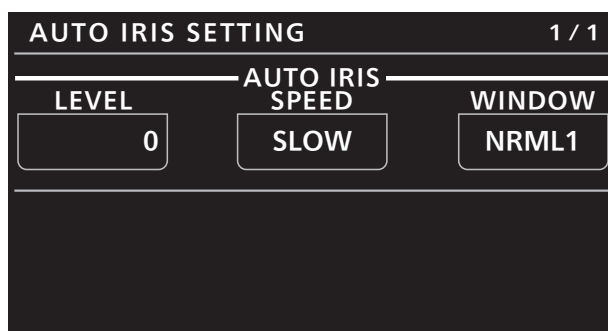
➡ "39 ROP IP SETTING"

23 CAMERA IP SETTING

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

➡ "40 CAMERA IP SETTING"

24 AUTO IRIS SETTING

AUTO IRIS SETTING		1 / 1
AUTO IRIS		
LEVEL	SPEED	WINDOW
0	SLOW	NRML1

Item	Setting details
AUTO IRIS LEVEL	Sets the auto iris level.
AUTO IRIS SPEED	Sets the control speed of the auto iris function.
AUTO IRIS WINDOW	Selects the auto iris detection window.

25 SWITCHER LINK

For details on operations and settings, refer to the following sections in "Linking the Unit to the AV-HS6000".

➡ "47 SWITCHER LINK"

26 AW CONTROLLER LINK

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

➡ "47 AW CONTROLLER LINK"