Linked-Up Functions of AW-HS50 and AW-RP50

★ A highly efficient operating environment can be established by linking AW-HS50 switcher and AW-RP50 controller together. (Only one AW-HS50 switcher can be linked.)

This is to explain how the devices are to be connected and what features are made available by this linkage.

Features Available by This Linkage

- **Switching the Sources:** The sources on AW-HS50 can be switched in tandem with the camera selecting operations by AW-RP50. * Controllable buses: AUX, PVW, PinP, KEY-F

- **Focus Assist Function:** It is possible to switch between the Multi View Display (MV) and a full-screen display of camera output image by a single AW-RP50 button operation. * Controllable bus: AUX

- **Displaying the Camera Icon:** A camera being controlled by AW-RP50 can be indicated with the camera icon ("📷") on the MV screen by AW-HS50.

- **Displaying the Camera Information:** The setting information of a camera can be displayed on an AW-HS50 AUX output image or the MV screen.

- **Getting the Tally Information:** Tally information can be output to a camera selected using AW-HS50 PGM.

- **Changing the AW-HS50 Settings:** Setting values on AW-HS50 can be changed using the PAN/TILT lever and ZOOM button on AW-RP50.

Connection Procedure and Type of Cable

① Connect AW-HS50 and AW-RP50 using a LAN cable.

  * Connecting directly: crossover cable   Connecting via a hub: straight cable, category 5 or higher, up to 100m

【**Step 1**】 **Making the linked-up features ready**

★ **Configuring AW-HS50**
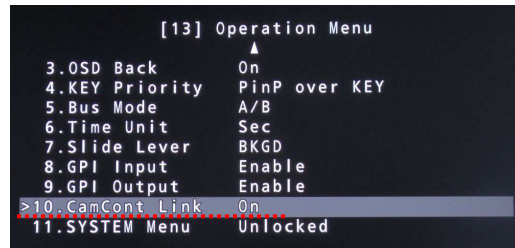
① Hold down the OSD ON button – (Fig.1-A) for two seconds to open the menu. (To close it, hold the button down again for two seconds.)

② Use the OSD/TIME dial – (Fig.1-B) to change the menu setting below so that the functions linked up with AW-RP50 are enabled.

   Menu: [13] Output Menu > 10. CamContLink => [On] – (Fig.2)   * Default: Off

(B)
(A)

```
              [13] Operation Menu
                       ▲
   3.OSD Back         On
   4.KEY Priority     PinP over KEY
   5.Bus Mode         A/B
   6.Time Unit        Sec
   7.Slide Lever      BKGD
   8.GPI Input        Enable
   9.GPI Output       Enable
  >10.CamCont Link    On
   11.SYSTEM Menu     Unlocked
```
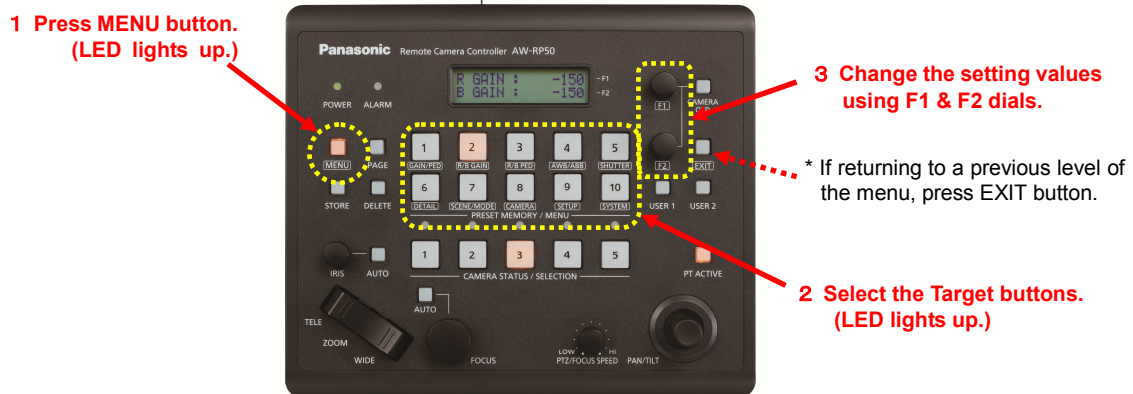
★ **Configuring AW-RP50**

(Figure 3: AW-RP50 Control Panel)

1 Press MENU button.
(LED lights up.)

3 Change the setting values
using F1 & F2 dials.

* If returning to a previous level of
the menu, press EXIT button.

2 Select the Target buttons.
(LED lights up.)

① Set the IP address of AW-HS50.   * Default IP address for AW-HS50: (192. 168. 0. 8)

Menu: (10) SYSTEM > [9] SW IP ADR => [IP address of AW-HS50]   * Default (192. 168. 0. 8)

(Procedure)   * Also at the following steps, perform the operations like this.

1 Press MENU button.

2 Press Target button [10] SYSTEM.

[1]CAMERA CTL

(AW-RP50 LCD Panel)

Turn F1

[9]SW IP ADR

Press F1

[9]SW IP ADR
1 9 2. 1 6 8. 0. 8

Use F2 dial to set and determine.
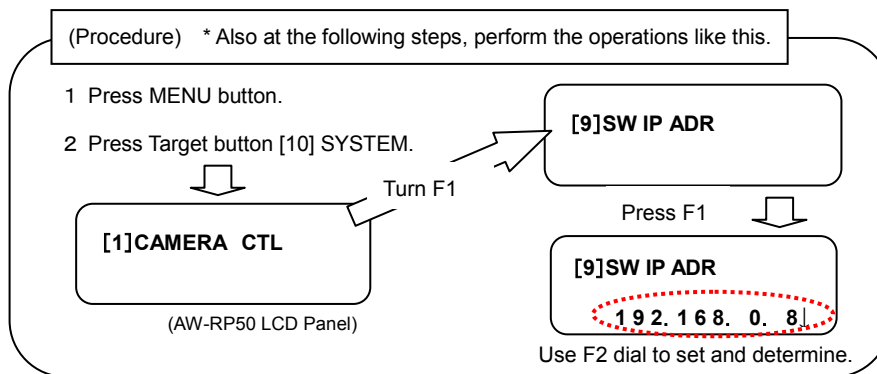
② Set the information for connection with AW-HS50.
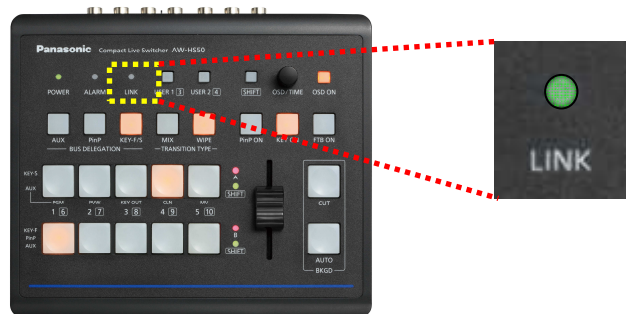
    Menu: (10) SYSTEM > [3] SW CTL => [Network]   * Default: [NoAsign]

③ Enable the link with AW-HS50

    Menu: (9) SETUP > [2] SW LINK => [On]   * Default: [Off]

When the above configuration of AW-HS50 and AW-RP50 is completed, "LINK" lamp on AW-HS50 Control Panel –

(Fig.4) lights up in green and the linked-up functions are ready for use.

(Figure 4: AW-HS50 Control Panel)

④ Set up the remote cameras to correspond to the video inputs on AW-HS50.

  (On AW-RP50, SDI IN 1 – 4 are indicated as INPUT1 – 4, DVI-IN as INPUT5.)

  According to this set-up, if one of the cameras that have been set up is selected using AW-RP50, AW-HS50 receives the information of selection.

  Menu: (10) SYSTEM > [4] SW ASSIGN => 1. INPUT1 – 5. INPUT5 => [CAM1 – CAM100]

    * For example, if a video output from the remote camera connected to AW-RP50 [CAM10] is sent into AW-HS50 INPUT3, when the above menu setting is set to "3. INPUT3 => [CAM10]", the image will be switched by selecting this camera.

【**Step 2**】 **Settings for enabling each function**

★ **All the description below is about the settings on AW-RP50.**
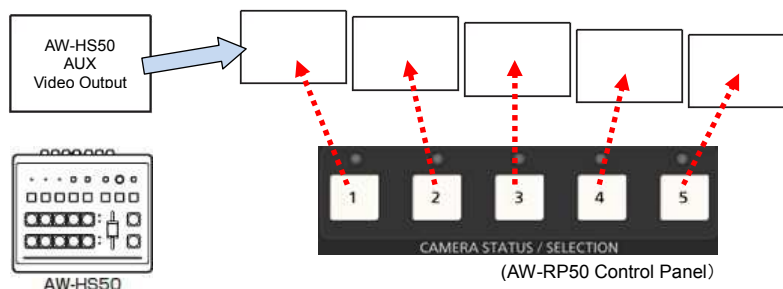
Setting for Switching the Sources

① Enable the function to switch the sources.

      Menu: (9) SETUP > [2] SW LINK => 2. BUSCONT => [On]   * Default: [Off]

② Select the source you want to switch to.

      Menu: (9) SETUP > [2] SW LINK => 3. BUS => [AUX, PVW, PinP, KEY (Key Fill)]   * Default: [AUX]

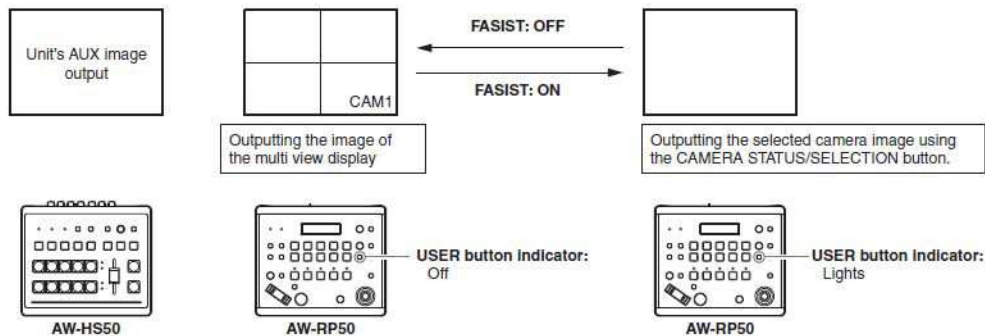(Schematic: If the source to switch to is set to [AUX])

AW-HS50
AUX
Video Output

1　2　3　4　5

CAMERA STATUS / SELECTION

（AW-RP50 Control Panel）

AW-HS50

Setting for Focus Assist Function

① AUX source image output from AW-HS50 is switched to an image from a remote camera selected by AW-RP50.

If this setting is set to "Off", AW-HS50 AUX output image is switched to MV screen.

      Menu: (9) SETUP > [2] SW LINK => 4. FASISIT => [On]   * Default: [Off]

Unit's AUX image output

FASIST: OFF

CAM1

FASIST: ON

Outputting the image of the multi view display

Outputting the selected camera image using the CAMERA STATUS/SELECTION button.

AW-HS50

AW-RP50

USER button indicator:
Off

AW-RP50

USER button indicator:
Lights

Setting for Displaying the Camera Icon

① On the MV screen by AW-HS50, the camera icon ("▮") is displayed at the lower left of the image from a remote camera being controlled by AW-RP50.
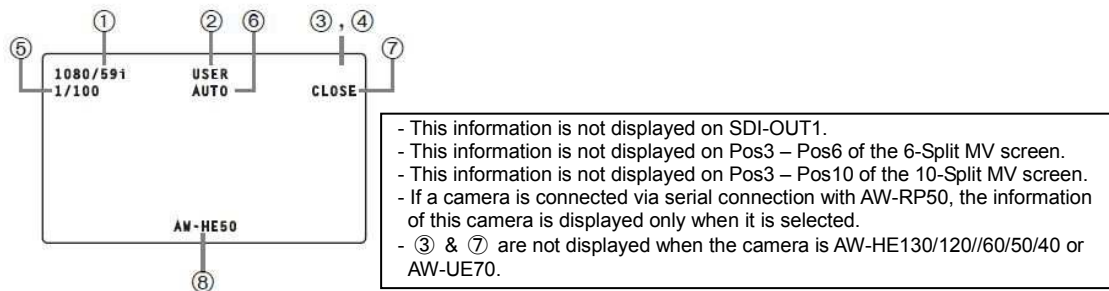
   Menu: (9) SETUP > [2] SW LINK => 5. CAMSEL => [On]   * Default: [Off]

Setting for Displaying the Camera Information

① On a monitor connected with AW-HS50, the information of a remote camera can be displayed at a time.

   Menu: (9) SETUP > [3] SW DISP => 1. CAMINF => [On]   * Default: [Off]

(Figure 5: Details of Remote Camera Information Displayed)

```
      ①         ②  ⑥      ③ , ④
  ⑤ ┌─────────────────────────┐ ⑦
    │ 1080/59i   USER      CLOSE │
    │ 1/100      AUTO            │
    │                           │
    │                           │
    │         AW-HE50           │
    └─────────────────────────┘
              ⑧
```

- This information is not displayed on SDI-OUT1.
- This information is not displayed on Pos3 – Pos6 of the 6-Split MV screen.
- This information is not displayed on Pos3 – Pos10 of the 10-Split MV screen.
- If a camera is connected via serial connection with AW-RP50, the information of this camera is displayed only when it is selected.
- ③ & ⑦ are not displayed when the camera is AW-HE130/120//60/50/40 or AW-UE70.

* In addition, if you need to show/hide each item of camera information, please set the following settings individually.

(Fig.5-①) Video Format => Menu: (9) SETUP > [3] SW DISP => 2. FORMAT => [On]   * Default: [Off]

(Fig.5-②) Scene File Setting Value => Menu: (9) SETUP > [3] SW DISP => 4. SCENE => [On]   * Default: [Off]

(Fig.5-③) Filter Information => Menu: (9) SETUP > [3] SW DISP => 8. FILTER => [On]   * Default: [Off]

(Fig.5-④) Remote Camera Alarm Info => Menu: (9) SETUP > [3] SW DISP => 9. ALARM => [On]   * Default: [Off]

(Fig.5-⑤) Shutter Information => Menu: (9) SETUP > [3] SW DISP => 6. SHUTTER => [On]   * Default: [Off]

(Fig.5-⑥) Gain Value => Menu: (9) SETUP > [3] SW DISP => 5. GAIN => [On]   * Default: [Off]

(Fig.5-⑦) Iris Value => Menu: (9) SETUP > [3] SW DISP => 7. IRIS => [On]   * Default: [Off]

(Fig.5-⑧) Remote Camera Name => Menu: (9) SETUP > [3] SW DISP => 3. CAMNAME => [On]   * Default: [Off]

   * To display the remote camera name, the menu setting on AW-HS50 needs to be set as follows:

   AW-HS50 Menu setting: [10] Input Menu > SDI-IN1 – 4: [4. Name Type] => [CAM Name]

Setting for On-Air Tally Information

① Setting to let AW-RP50 receive the tally information from AW-HS50 through the network

   Menu: (9) SETUP > [2] SW LINK => 6. TALLY_IP => [On]   * Default: [Off]

② Setting to let AW-RP50 instruct the remote cameras to send an OA tally output

   Menu: (8) CAMERA > [3] TALLY => 1. TALLY OUT => [On]   * Default: [Off]

③ Enable the tally output setting on the remote cameras.

   Ex.: AW-HE40 ··· Menu: System > Others > Others2/4 > Tally => [Enable]   * Default: [Enable]

Setting the Use of PAN/TILT Lever and ZOOM Button

① The following setting can set the use of PAN/TILT lever and ZOOM button.

Menu: (9) SETUP > [2] SW LINK => 7. P/T LEVER => [Self, SW, Button Select]   * Default: [Self]

- [Self]: For controlling the remote cameras

- [SW]: For changing the setting values on AW-HS50

* This use of PAN/TILT lever and ZOOM button can be enabled while the following sub-menus are shown on AW-HS50.

[3] PinP Menu: PinP's position can be changed using PAN/TILT lever, and its size using ZOOM button.

[6] ChromaKey Menu: While the chroma key marker is shown, its position can be changed using PAN/TILT lever, and its size using ZOOM button.

[2] Wipe Menu: When the wipe patterns 9 – 13 (Wipe Menu: 1. Pattern) are selected, the wipe start position can be changed using PAN/TILT lever.

- [Button Select]: Switching between [Self] and [SW] is possible using "PT ACTIVE button".

=> Indicator lights up: [Self], Indicator blinking: [SW], Indicator goes off: PAN/TILT lever operations disabled

(ZOOM button: Enabled for remote camera's zooming operations)

Setting the USER buttons

The above-mentioned functions can be assigned to the AW-RP50 USER buttons so that the desired function can be activated simply by pressing the USER button.

① Setting for assigning the functions to the USER buttons

Menu: (9) SETUP > [1] USER > 1. USER1 or 2. USER2 => ["desired function"]

* Assignable linked-up functions: SWLINK, BUSCONT, FASIST, CAMSEL, TALLY_IP, CAMIF, ND FILTER