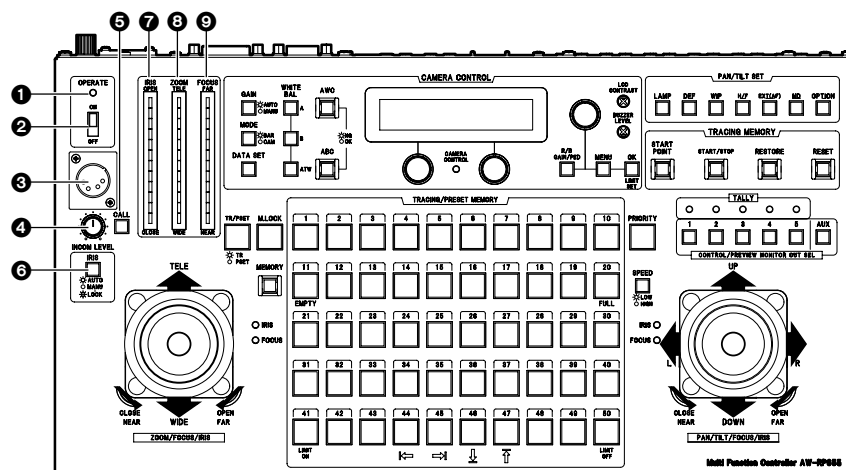


Parts and their functions

■ Control panel



❶ OPERATE lamp

This lamp will come on when power is supplied to this unit and the OPERATE switch is on.

❷ OPERATE switch

This controls the power of all pan/tilt head systems (pan/tilt head and convertible camera) connected to this unit. Allow at least 5 seconds between ON/OFF operations. Setting the OPERATE switch to OFF will not turn the power to this unit completely off. To turn the power to this unit completely off, the power switch of AC adapter must be turned off.

❸ INCOM connector

The headset for inter-communications purposes is connected here.

❹ LEVEL control

This is used to adjust the volume of the headset's receiver.

❺ CALL button

When this button is pressed, the buzzers on the other connected control panels sound, and the CALL button's lamp comes on.

❻ IRIS [AUTO/MAN/LOCK] button

This is used to select how to adjust the lens iris of the pan/tilt head system currently selected. Each time it is pressed, the AUTO, MANU or LOCK setting is selected in turn.

AUTO: The lens iris is adjusted automatically, and the IRIS button's lamp comes on. If the FOCUS/IRIS dial for adjusting the iris is rotated when AUTO has been selected, the IRIS button's lamp flashes as a warning.

MANU: The lens iris is adjusted manually using the FOCUS/IRIS dial. At this setting, the IRIS button's lamp goes off.

LOCK: The lens iris is fixed at the position where it was adjusted manually, and the IRIS button's lamp flashes.

At the LOCK setting, the position of the lens iris will not be changed even if the FOCUS/IRIS dial is turned.

Set the button to the MANU position when entering the lens iris position in the TRACING/PRESET MEMORY button.

❼ IRIS indicator

This indicates the lens iris position of the pan/tilt head system currently selected using 12 steps (from CLOSE to OPEN).

❽ ZOOM indicator

This indicates the lens zoom position of the pan/tilt head system currently selected using 12 steps (from WIDE to TELE).

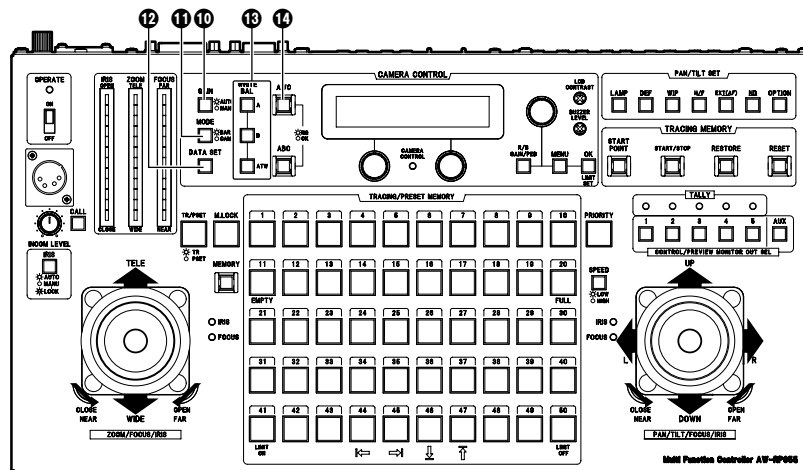
❾ FOCUS indicator

This indicates the lens focus position of the pan/tilt head system currently selected using 12 steps (from NEAR to FAR).

The IRIS, ZOOM and FOCUS indicator displays may not appear depending on the model of pan/tilt head and camera used.

Contact your local dealer for details.

Parts and their functions



10 GAIN [AUTO/MAN] button

This is used to select the camera's gain control mode in the pan/tilt head system currently selected. Each time it is pressed, the AUTO mode or MANUAL mode is selected in turn. In the AUTO mode, the button's lamp comes on; in the MANUAL mode it goes off. If, in the AUTO mode, the R/B GAIN/PED button is pressed and the gain is adjusted, the maximum gain can be set to one of two levels: AGC L or AGC H. If, in the MANUAL mode, the R/B GAIN/PED button is pressed and the gain is adjusted, any setting from 0 dB to the night eye mode can be selected for the gain.

11 MODE [BAR/CAM] button

This is used to select the camera's video output signals in the pan/tilt head system currently selected. Each time it is pressed, the camera's color bar signals or video signals are selected in turn. When the color bar signals are selected, the button's lamp comes on; when the video signals are selected, it goes off.

12 DATA SET button

At times when the multi-function controller has not recognized a particular pan/tilt head system, such as when the power to the pan/tilt head system is turned on or when a particular pan/tilt head system has been connected after the multi-function controller's OPERATE switch has been set to ON, select the pan/tilt head system concerned, and then press the DATA SET button. The power of the selected pan/tilt head system will be turned on, and the camera's initial settings will be started.

13 WHITE BAL [A/B/ATW] buttons

These are used to select the camera's white balance adjustment in the pan/tilt head system currently selected.

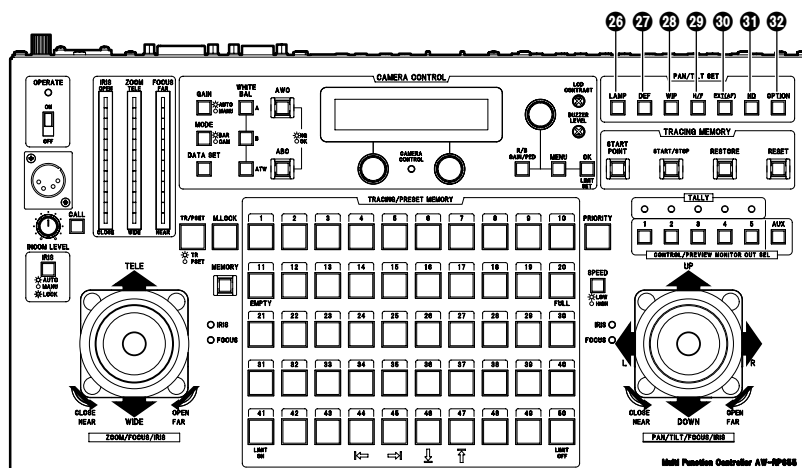
- A:** When the A button is pressed, the white balance status entered in the camera's memory A is established, and the A button's lamp comes on. If the AWC button is pressed after the A button was pressed, the white balance is automatically adjusted and entered in the camera's memory A.
- B:** When the B button is pressed, the white balance status entered in the camera's memory B is established, and the B button's lamp comes on. If the AWC button is pressed after the B button was pressed, the white balance is automatically adjusted and entered in the camera's memory B.
- ATW:** When the ATW button is pressed, the white balance is set to the automatic adjustment mode, and the ATW button's lamp comes on.

14 AWC button

When the WHITE BAL [A] button or [B] button has been selected, press the AWC button to automatically adjust the white balance and enter the adjustment in the camera's memory A or memory B. While the white balance is being adjusted, the AWC button's lamp flashes; when it has been adjusted properly, it goes off. It comes on when it was not possible to perform the adjustment.

- This function does not work if the MODE button has been set to BAR (the MODE button's lamp is lighted) or if ATW has been selected.
- It may not be possible to adjust the white balance if there is no white object on the screen being shot.
- If a pan/tilt head other than the AW-PH350 is being used, the AWC button's lamp also goes off if the white balance was not adjusted properly.

Parts and their functions



15 ABC button

This is used to automatically adjust camera's black balance in the pan/tilt head system currently selected. Set the IRIS [AUTO/MANU/LOCK] button to AUTO (the IRIS button is now lighted), and press the ABC button. While the black balance is being adjusted, the ABC button's lamp flashes; when it has been adjusted properly, it goes off. It comes on when it was not possible to perform the adjustment.

If a pan/tilt head other than the AW-PH350 is being used, the ABC button's lamp also goes off if the black balance was not adjusted properly.

16 LCD panel

This displays the statuses of the current settings.

17 CAMERA CONTROL lamp

This comes on when communication with the camera in the currently selected pan/tilt head system has been established properly. It goes off when there is a problem with the communication.

This lamp will remain off even when there is a normal signal when using AW-PH300/AW-PH300A/AW-PH500/AW-PH600 for the pan/tilt head.

18 Menu setting control (L)

This is used to change the item or the value of the item displayed on the left at the bottom of the LCD panel in the setting menu mode.

19 Menu setting control (R)

This is used to change the item or the value of the item displayed on the right at the bottom of the LCD panel in the setting menu mode.

20 Menu setting control (main)

This is used to select the item or change the value of the item displayed at the top of the LCD panel in the setting menu mode.

21 R/B GAIN/PED button

Press this button to adjust the camera's R/B gain or R/B pedestal in the pan/tilt head system currently selected. Each time it is pressed, the adjustment mode is set to ON or OFF in turn.

When the adjustment mode is set to ON, the button's lamp comes on; when it is OFF, the lamp goes off.

22 MENU button

This is used to select ON or OFF for the setting menu mode of the pan/tilt head system currently selected. Each time it is pressed, the menu mode is set to ON or OFF in turn.

When the setting menu mode is set to ON, the button's lamp comes on, and the setting menu appears on the LCD panel. In this status, the MENU button is used to select the setting menu items as well.

When the setting menu mode is set to OFF, the button's lamp goes off, and the LCD panel returns to its original display.

23 LCD CONTRAST control

This is used to adjust the contrast of the LCD panel.

24 BUZZER LEVEL control

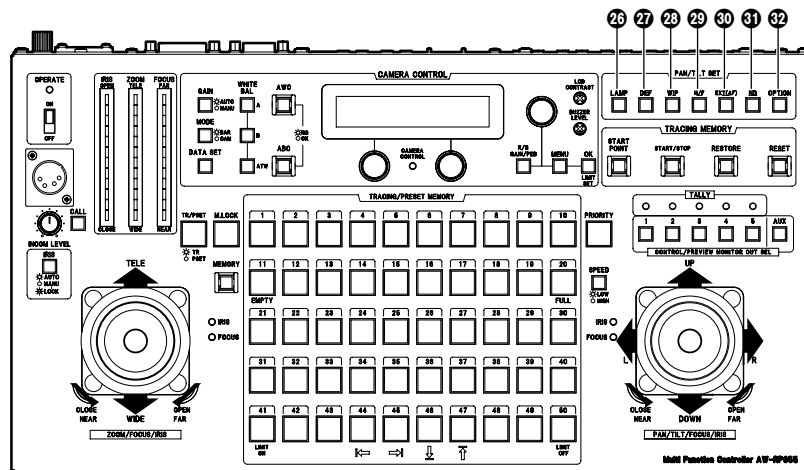
Adjusts the BUZZER volume level when the CALL button is pressed.

25 OK button

This is pressed to select setting menu items or to enter the values of items.

It is possible to switch the speed at which the setting value of some of the items in the setting menu changes each time jog dial 18, 19 or 20 is pressed.
(See pages 33 to 35)

Parts and their functions



26 LAMP button

This controls the ON and OFF of the halogen lamp which is connected to the pan/tilt head system currently selected.

Each time it is pressed, the lamp is turned ON or OFF in turn.

When the halogen lamp is ON, the button's lamp comes on; when it is OFF, the lamp goes off.

It flashes when the halogen lamp has not been connected or when the lamp has been disconnected or some other problem has occurred.

27 DEF button

This sets the defroster function ON or OFF when a pan/tilt head (AW-PH600/AW-PH650) equipped with a defroster function is used in the pan/tilt head system currently selected.

Each time it is pressed, the function is turned ON or OFF in turn.

When the defroster is ON, the button's lamp comes on; when it is OFF, the lamp goes off.

28 WIP button

This sets the wiper function ON or OFF when a pan/tilt head (AW-PH600/AW-PH650) equipped with a wiper function is used in the pan/tilt head system currently selected.

Each time it is pressed, the function is turned ON or OFF in turn.

When the wiper is ON, the button's lamp comes on; alternatively, when it is OFF, it goes off.

29 H/F button

This sets the heater/fan function ON or OFF when a pan/tilt head (AW-PH600/AW-PH650) equipped with a heater/fan function is used in the pan/tilt head system currently selected.

Each time it is pressed, the function is turned ON or OFF in turn.

When the heater/fan is ON, the button's lamp comes on; when it is OFF, the heater/fan goes off.

30 EXT (AF) button

EXT (AF) Button

If a lens with an extender function is used in the selected pan/tilt head system, the extender function is set from ON to OFF or vice versa each time the EXT (AF) button is pressed.

If a lens (AW-LZ16AF7G) with an AF function is used in the selected pan/tilt head system, the AF function of the lens is set from ON to OFF or vice versa each time the EXT (AF) button is pressed.

In either case, the button lamp is lighted at the ON setting, and it is extinguished at the OFF setting.

※ This button can be used to turn the function ON or OFF only when the AW-PH350 pan/tilt head is connected.

When the pan/tilt head is not used and only the camera is connected, select ON or OFF using the menu item.

31 ND button

This sets the ND filter function ON or OFF when a lens equipped with an ND filter function is used in the pan/tilt head system currently selected.

Each time it is pressed, the function is turned ON or OFF in turn.

When the ND filter is ON, the button's lamp comes on; when it is OFF, the lamp goes off.

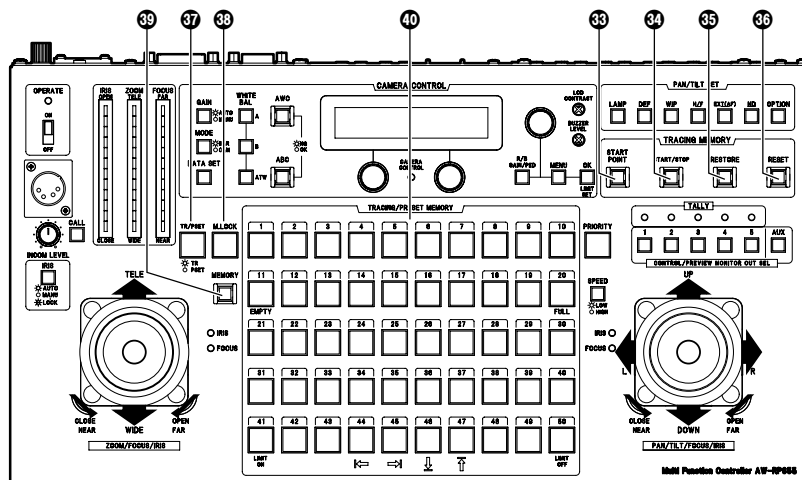
32 OPTION button

This controls the short- or open-circuiting of the OPTION SW CONTROL OUT connector of the AC adapter (AW-PS300A) which is connected to the pan/tilt head system currently selected.

Each time it is pressed, short-circuiting or open-circuiting is selected in turn.

When the connector is short-circuited, the button's lamp comes on; when it is open-circuited, the lamp goes off.

Parts and their functions



33 START POINT button

Press this to set the position at which the tracing memory is to be started.

34 START/STOP button

Press this to start or stop entry into the tracing memory.

35 RESTORE button

Press this to correct or change what has been entered in the tracing memory.

36 RESET button

Press this to erase what has been entered in the tracing memory.

37 TR/PSET button

This is used to select the tracing memory mode or preset memory mode.

Each time it is pressed, the tracing memory mode or preset memory mode is selected in turn.

When the tracing memory mode is selected, the button's lamp comes on; when the preset memory mode is selected, the lamp goes off.

38 M.LOCK button

This is used to disable or enable the recording of settings in the tracing memory or preset memory.

Each time it is pressed, recording disable or enable is selected in turn.

When recording is disabled, the button's lamp comes on; when it is enabled, the lamp goes off.

39 MEMORY button

This is pressed when the pan/tilt head system's settings are to be entered as a preset memory into one of the TRACING/PRESET MEMORY buttons [1] through [50]. Up to 50 settings can be entered per pan/tilt head system into a preset memory.

Pan/tilt head system's settings

Pan/tilt head:

Pan/tilt position

Camera:

Zoom, focus, iris, white balance

How to enter settings into the preset memory

- ① Select the pan/tilt head system using the CONTROL/PREVIEW MONITOR OUT SEL button.
- ② Select the preset memory mode using the TP/PSET button.
- ③ Set the pan/tilt head system.
- ④ While pressing the MEMORY button, press one of the TRACING/PRESET MEMORY buttons from [1] through [50] into which the settings are to be entered.

40 TRACING/PRESET MEMORY buttons [1] to [50]

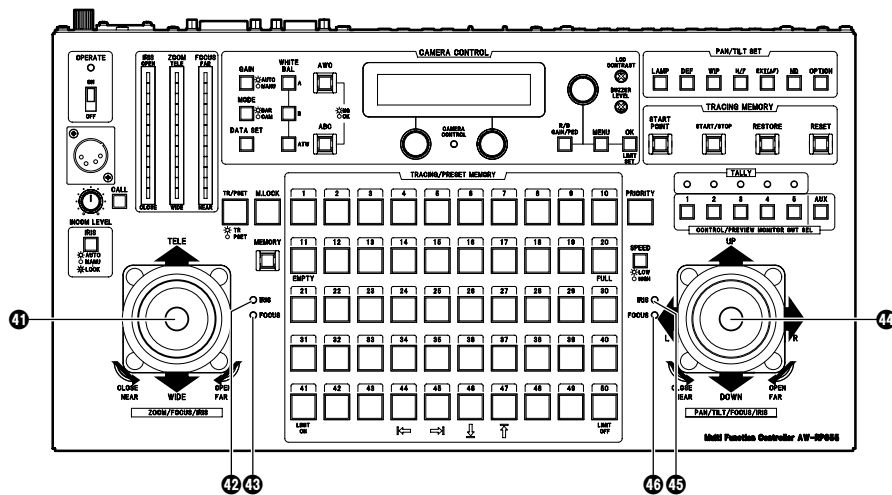
Tracing memory or preset memory data is entered into these buttons.

Tracing memory: [1] through [10]

Preset memory: [1] through [50]

It is not possible to enter preset memory data into any button in which a tracing memory has already been entered.

Parts and their functions



41 ZOOM lever, FOCUS/IRIS dial

These are used to adjust the lens zoom in the pan/tilt head system currently selected.

Depending on the direction in which the ZOOM lever is tilted, TELE (telephoto) or WIDE (wide angle) is set, and depending on the angle at which it is tilted, the zoom speed is adjusted.

The lens focus or lens iris is adjusted using the dial at the top of the lever.

Using the button on the top of the lever, the dial's function can be switched so that the dial will serve as a focus adjustment dial or iris adjustment dial.

When the focus adjustment dial function has been selected, the FOCUS lamp on the right of the lever comes on; alternatively, when the iris adjustment dial function has been selected, the IRIS lamp comes on.

When the ZOOM lever dial functions as an iris adjustment dial, the PAN/TILT lever dial on the other side functions as a focus adjustment dial, and the FOCUS lamp on the left of the PAN/TILT lever comes on.

Similarly, when the ZOOM lever dial functions as a focus adjustment dial, the PAN/TILT lever dial on the other side functions as an iris adjustment dial, and the IRIS lamp on the left of the PAN/TILT lever comes on.

42 IRIS lamp

This comes on when the dial on the top of the ZOOM lever functions as an iris adjustment dial.

43 FOCUS lamp

This comes on when the dial on the top of the ZOOM lever functions as a focus adjustment dial.

44 PAN/TILT lever, FOCUS/IRIS dial

These are used to adjust the direction of the pan/tilt head in the pan/tilt head system currently selected.

When the PAN/TILT lever is panned in the L/R direction, the pan/tilt head direction changes to the left or right; when it is tilted in the UP/DOWN direction, it changes in the up or down direction.

The speed is adjusted by the angle to which the lever is tilted.

The lens focus or lens iris is adjusted using the dial at the top of the lever.

Using the button on the top surface of the lever, the dial's function can be switched so that the dial will serve as a focus adjustment dial or iris adjustment dial.

When the focus adjustment dial function has been selected, the FOCUS lamp on the left of the lever comes on; alternatively, when the iris adjustment dial function has been selected, the IRIS lamp comes on.

When the PAN/TILT lever dial functions as an iris adjustment dial, the ZOOM lever dial on the other side functions as a focus adjustment dial, and the FOCUS lamp on the right of the ZOOM lever comes on.

Similarly, when the PAN/TILT lever dial functions as a focus adjustment dial, the ZOOM lever dial on the other side functions as an iris adjustment dial, and the IRIS lamp on the right of the ZOOM lever comes on.

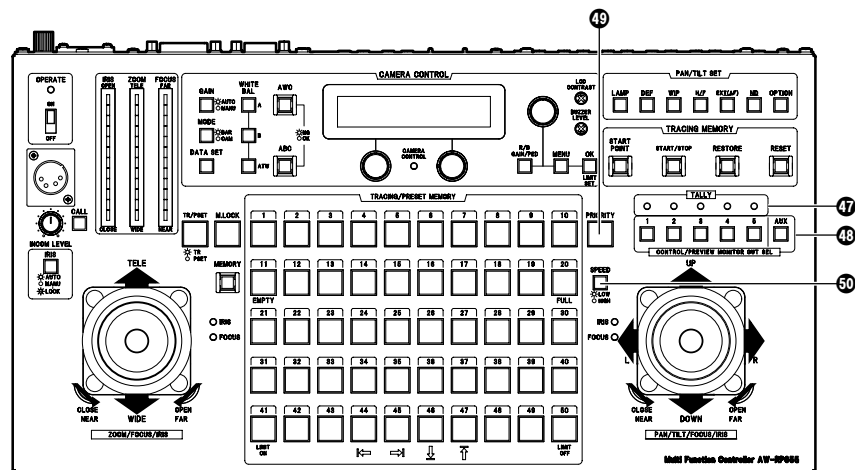
45 IRIS lamp

This comes on when the dial on the top of the PAN/TILT lever functions as an iris adjustment dial.

46 FOCUS lamp

This comes on when the dial on the top of the PAN/TILT lever functions as a focus adjustment dial.

Parts and their functions



47 TALLY lamps [1] to [5]

When tally signals are input to TALLY connectors [1] through [5] on the main unit, the lamps with the numbers corresponding to the connectors come on.

48 CONTROL/PREVIEW MONITOR OUT SEL buttons [1] to [5], [AUX]

Pressing buttons 1 to 5 will select the connected pan/tilt head system.

When the AW-RC400 is connected, the button of the chosen number will illuminate and the video signal from the selected pan/tilt head system will be output to the AW-RC400's MONITOR OUT 1 to 2 terminals.

The AUX switch will not function in a system made with the AW-RC400.

49 PRIORITY button

The pan/tilt head may be controlled by pressing this button when multiple control panels are connected to this unit.

This light will come on in control mode and will turn off in non-control mode.

This button's light is always on when there are no control panels connected to this unit.

50 SPEED button

This is used to select the control (pan, tilt, zoom, focus, iris) speed of the pan/tilt head system currently selected. Each time it is pressed, the high-speed mode or low-speed mode is selected in turn.

The button's lamp comes on in the high-speed mode, and it remains off in the low-speed mode.

Using the SPEED SELECT item on the setting menu, the speed can be set in one of three steps for the high-speed mode and for the low-speed mode.