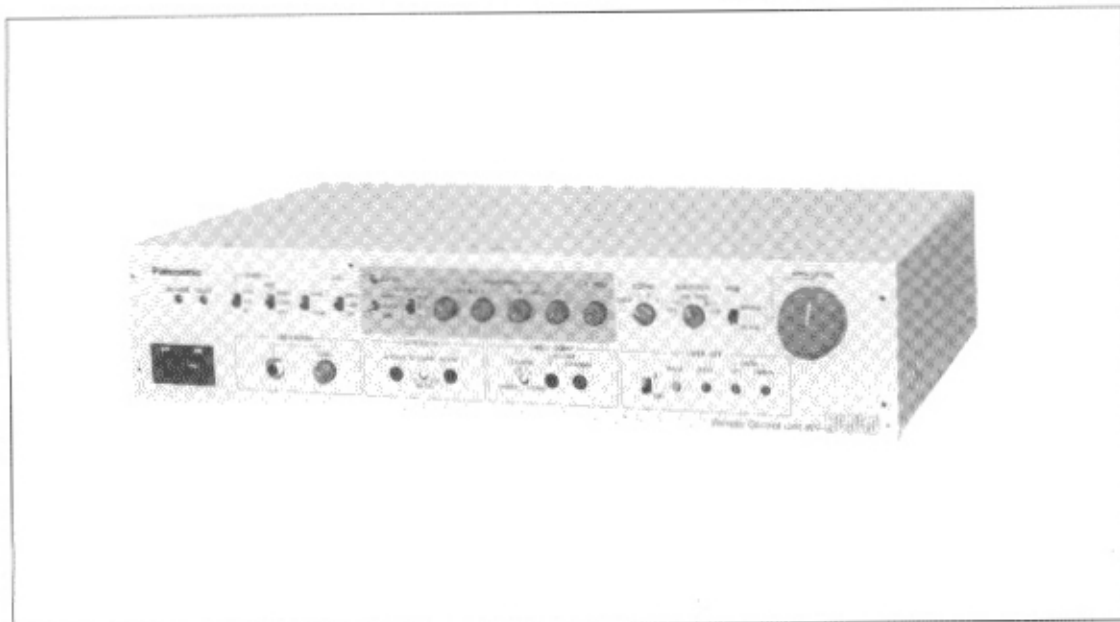


# Operating Instructions

Remote Control Unit  
**WV-RC550**




**Panasonic®**

Before attempting to connect or operate this product, please read these instructions completely.


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**CAUTION**

RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION:**  
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



SA 1965

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



SA 1966

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

—For U.S.A.—

**Warning:**  
This equipment generates and uses radio frequency energy and if not installed and used properly, i.e., in strict accordance with the instruction manual, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

—For CANADA—

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

The serial number of this product may be found on the bottom of the unit.  
You should note the serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid identification in the event of theft.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

**WARNING:**  
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

## PREFACE

The WV-RC550 Remote Control Unit is used to remotely control the WV-E550, WV-F500 or WV-F700 series.

Features and functions include white balance setting, iris control, R/B gain control total pedestal control, color bar/camera selection switch, horizontal and subcarrier phase adjustment for gen-lock.

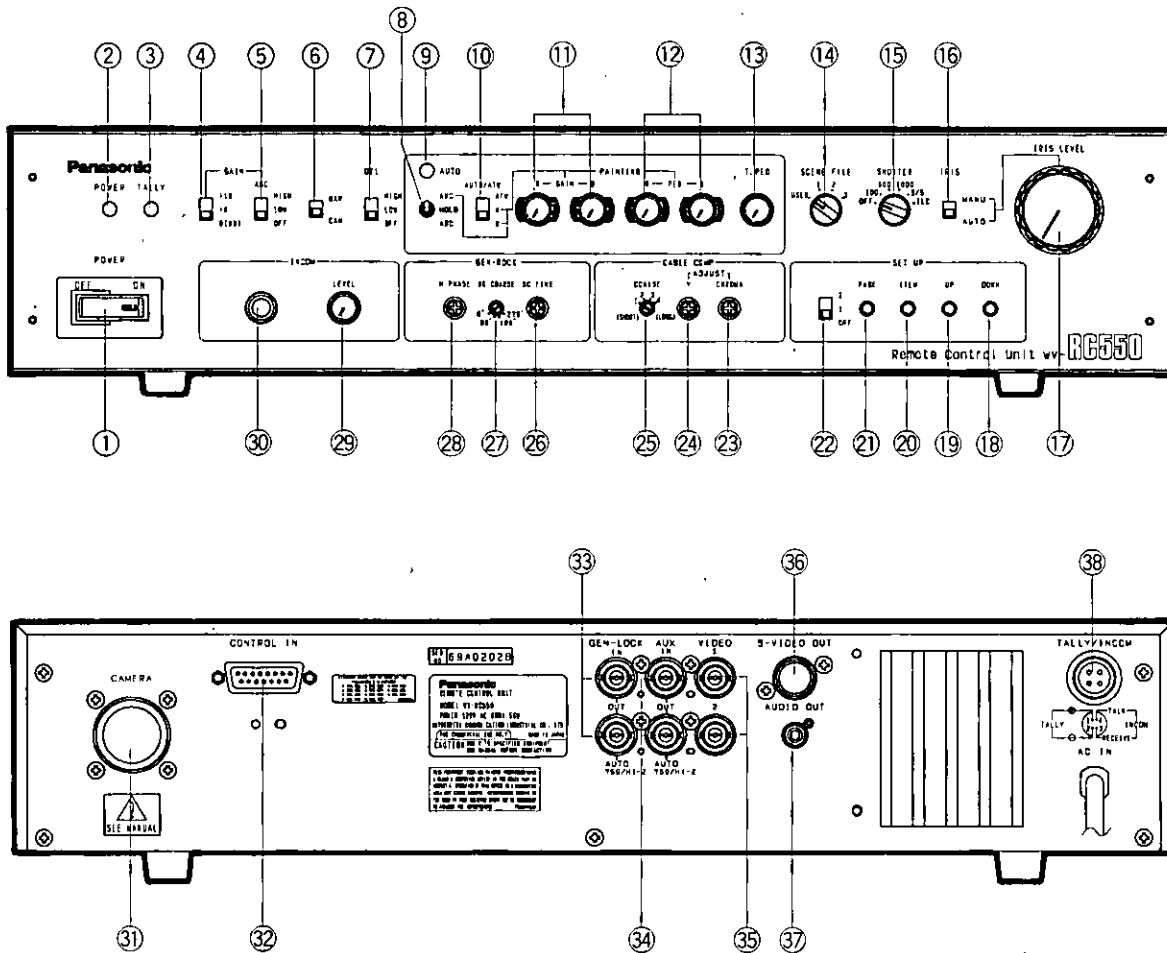
## FEATURES

- Tally/Intercom, AUX Input, and Gen-lock Input are provided for system operation.
- With the 26-pin studio cable, (WA-CA26U15, WA-CA26U30 or WV-CA26U100), the WV-E550 color camera and RCU may be connected with a maximum distance of 1000ft (300m).
- When connecting the F500 camera and WV-VF65B 5" EVF with the RCU, the maximum studio cable length is 330ft (100m).
- 15-pin D-sub connector is provided for pan/tilt operation.
- For color camera WV-F500 or WV-F700 series operations, a front panel overlay accessory is provided.

## PRECAUTIONS

- Do not attempt to disassemble the unit. There are no user-serviceable parts inside. Do refer any servicing to qualified service personnel.
- Do not abuse the unit. Avoid striking, shaking etc.
- Do not use strong or abrasive detergents when cleaning the unit. Do use dry cloth to clean the unit when dirty. In case the dirt is hard to remove, use mild detergent and wipe gently.
- Do not expose the unit to rain or moisture. Do take immediate action if ever the unit does become wet.
- Turn power off and refer servicing to qualified service personnel. Moisture can damage the unit and also create the danger of electric shock.
- Use the unit under the conditions where temperature is within 14°F - 113° F (-10° C - +45° C) and humidity is less than 90%.

# MAJOR OPERATING CONTROLS AND THEIR FUNCTIONS



**1. Power Switch (POWER ON/OFF)**

This switch turns on and off the power of the Remote Control Unit(RCU).

**2. Power Indicator**

This switch lights red whenever the unit is operating.

**3. Tally Indicator (TALLY)**

When this unit is used in conjunction with a Special Effects Generator, this indicator will light to indicate the selection of this unit from a Special Effects Generator.

**4. High Gain Selection Switch (0dB/9dB/+18dB)**

This switch can function only when the AGC Selection Switch (5) is set to OFF position.

Normally set the AGC Selection Switch of this unit to OFF position.

Positions +9dB and +18dB increase the video output amplitude for dark scenes and are equivalent to opening the lens iris 1.5 or 3F steps, respectively.

**Note :** When the AGC Selection Switch to the LOW or HIGH position, this switch does not work.

**5. AGC Selection Switch (AGC HIGH/LOW/OFF)**

When this unit is connected with WV-E550, the AGC MAX level can be selected.

Refer to the Operating Instructions of WV-E550 for details.

**6. Color Bar/Camera Selection Switch(BAR/CAM)**

In a system configuration, this switch is used for signal selection between camera mode and color bar mode.

**BAR :** A color bar signal is provided from the Video Output Connector (35) of this unit.

**CAM :** The actual camera picture, as picked up through the lens, is displayed.

## 7. Detail Level Selection Switch (DTL, LEVEL-HIGH/LOW/OFF)

The detail/aperture level can be selected by this switch in three steps. Set this switch to the desired position while observing the sharpness of the picture.

## 8. Auto White/Auto Black Set Switch (AWC/HOLD/ABC)

This switch sets the white balance and black balance automatically as follows.

**AWC** : This position is used for setting the white balance when the White Balance Selection Switch (10) is set to the A or B position of the White Balance Selection Switch (10). White balance adjustment is required when the Auto Warning Indicator on this unit lights.

**HOLD** : In this position, the white and black balances set at the AWC or ABC position can be held fixed, if so desired, for at least one year.

**ABC** : This position is used for setting the black balance even if the White Balance Selection Switch (10) is set to any position. Black balance adjustment is required when the Auto Warning Indicator on this unit lights.

### Notes :

1. While the black balance adjustment is being performed the picture will flash on the monitor screen. This flashing indicates that the adjustment is currently being performed and will cease once the adjustment is completed.
2. If the Lens Iris Selection Switch is set to MAN position, Auto Black Balance may be not performed correctly.

## 9. Auto Warning Indicator (AUTO)

This indicator blinks while the white balance or black balance is being automatically set. It goes out once the white and black balances have been correctly set. This indicator lights when the white or black balance is set improperly. In this case, carry out the automatic setting procedure for white and/or black balance.

## 10. White Balance Selection Switch (ATW/A/B)

This switch is used to select the auto white balance modes as follows.

**ATW** : The white balance is continuously adjusted automatically

**A** : The white balance can be set automatically by pressing the Auto White/Auto Black Set Switch(8).

**B** : Similar to A, but the setting is stored in memory B.

**Note** : Two white balance setting, one each for different lighting conditions such as indoor and outdoor, may be stored in the two memories, A and B.

When this switch is set to A or B position, the white balance can be adjusted automatically by using the Auto White/Black Set Switch(8).

When PAINTING in Page No.1 of the Initial set menu is set to the ON position, fine adjustment of white balance and R/B pedestal level can be achieved by using the Red and Blue Gain Controls (11) or Red and Blue Pedestal Level Controls (12).

When this switch is set to the ATW position, white balance can be continuously adjusted automatically.

## 11. Red and Blue Gain Controls (R GAIN/B GAIN)

These controls are used to manually adjust the fine level of white balance.

These controls only work when the White Balance Selection Switch (10) is set to A/B position and PAINTING in Page No.1 of the Initial set menu is set to the ON mode.

Turn these controls clockwise to increase the red and blue signal levels, and counterclockwise to decrease these levels.

**Note** : As these controls employ Digital Processing, the Red and Blue signal levels will be changed in discrete steps.

## 12. Red and Blue Pedestal Level Controls (PED, R/B)

The fine adjustment of black balance can be set manually by these controls.

These controls only work when the White Balance Selection Switch(10) is set to A/B position and PAINTING in Page No.1 of the Initial set menu is set to ON mode.

Turn these controls clockwise to increase the red and blue pedestal levels, and counterclockwise to decrease the levels.

**Note** : As this control employs Digital processing, these levels are changed in discrete steps.

## 13. Total Pedestal Level Control (TOTAL PEDESTAL)

This control can adjust the pedestal level of the video signal(luminance) for matching the black levels between two or more cameras in a system. Turn this control clockwise to increase the pedestal level, and counterclockwise to decrease the level.

**Note** : As this control employs Digital Processing, this level may be changed in the step.

## 14. Scene File Selection Switch (SCENE FILE)

This switch is used to select the most suitable camera preset conditions, depending on scene conditions, to obtain the best picture possible.

Refer to the Operating Instructions of the WV-E550 for details.

## 15. Electronic Shutter Selection Switch (OFF/100/500/1000/ S/S/ELC)

This switch is operative only when a camera featuring the electronic shutter function is connected with this unit.

**OFF** : Set this switch to this position when recording normally with standard shutter speeds.

**100/500/1000** : Choose the suitable shutter speed from these when recording high speed action.

**S/S** : Shutter speed can be adjusted to the desired position using SYNCRO-SCAN in Page No.3 of the Initial set menu so that horizontal bar noise will be reduced when this switch is set to this position.

**ELC** : The ELC position makes the electric control for the luminance with the shutter.

**Note** : The smear may be appeared with the high light objects.

#### 16. Lens Iris Selection Switch (IRIS, MANU/AUTO)

**AUTO** : The iris level of the lens is controlled automatically.

**Note** : Be sure to set the Iris Control Selection Switch on the zoom lens to AUTO position.

**MANU** : The iris level of the lens is controlled manually by turning the Iris Level Control.

#### 17. Iris Level Control

This control is used to adjust the lens iris level. The iris level which had been automatically set, can be controlled fine using this control when the Lens Iris Selection Switch (16) is set to the AUTO position and AUTO IRIS in page No.2 of Initial set menu of the WV-E550 is set to the ADJ ON position.

#### 18. Down Switch (DOWN)

This switch is used to decrease the set value of the item pointed out by the cursor in a menu.

#### 19. Up Switch (UP)

This switch is used to increase the set value of the desired item pointed out by the cursor in a menu.

#### 20. Item Switch (ITEM)

This switch is used to choose the item in the set-up menus.

#### 21. Page Switch (PAGE)

This switch is used to select the desired set-up menu from the available menus.

#### 22. Setup Switch (OFF/1/2)

This switch selects Encoder output from the Video Output Connector and whether the User Set Function is available as follows.

**OFF** : Switch set to position #1 :

Encoder is output from the Video Output Connector on this unit and the Setup function is not available.

**1/2** : Switch set to position #2 :

Encoder is output from the Video Output Connector on this unit and the Setup function is available.

#### 23. Chroma Gain Fine Control (ADJUST CHROMA)

This control allows for fine adjustment of the chroma signal level for matching the chroma levels of all the cameras in a system.

Adjust this control only after having set the Cable Length Compensation Switch (25) and the Luminance Gain Fine Control (24) to the correct position.

#### 24. Luminance Gain Fine Control (ADJUST Y)

This control allows for fine adjustment of the luminance signal level for matching the levels of all cameras in a system. Adjust this control only after having set the Cable Length Compensation Switch(25) to the correct position.

#### 25. Cable Length Compensation Switch (COARSE, 1/2/3/4)

This switch is used to compensate for extensive cable length used with the 26-pin studio cable between this unit and the camera.

1. Use for cable length of less than 225ft(75m)
2. Use for cable length of 225-450ft(75-150m)
3. Use for cable length of 450-690ft(150-230m)
4. Use for cable length of 690-900ft(230-300m)

#### 26. Subcarrier Phase Fine Control for Gen-lock (SC FINE)

This control allows for adjustment of the camera signal subcarrier phase from 0 to 360 ,to match the phase with that of the burst signal at the Gen-lock Input Connector in a system configuration.

#### 27. Subcarrier Phase Coarse Control for Gen-lock (SC COARSE)

The Coarse control adjusts the subcarrier phase from 0° to 360° in 90° steps, while Fine control allows for continuous fine adjustment over a range of 90°.

#### 28. Horizontal Phase Control for Gen-lock(H PHASE)

The horizontal phase of the camera signal can be adjusted to much the horizontal phase of the signal at the Gen-lock Input Connector.

#### 29. Intercom Level Control (INTERCOM, LEVEL)

Use this control to adjust the volume level in the headset connected to the Intercom Jack.

#### 30. Intercom Jack (INTERCOM)

This jack is used for communications between the camera operator and the Remote Control Unit operator in a system configuration with a Special Effects Generator. (Only connection with WV-F500 or WV-F700 series)

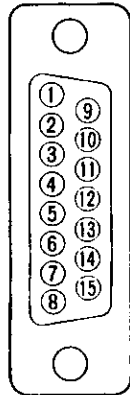
**31. Camera Connector (CAMERA)**

This connector is connected with the VTR/RCU Connector of camera by using the Conversion Cable (WV-CA26T20 with joint connector) and 26-pin studio cable.

**32. Control Connector (CONTROL IN)**

This connector is connected with the control connector of the pan/tilt unit or lens control by using the 15-pin multi cable.

1	LEFT
2	RIGHT
3	UP
4	DOWN
5	-
6	FOCUS
7	-
8	ZOOM
9	DEFROSTER
10	WIPER
11	-
12	+5V
13	+V (+7.5V)
14	-V (+2.5V)
15	GND



Pan/Tilt or Housing Control Voltage

	Operation	Stop
LEFT	2.5V	0
RIGHT	2.5V	0
UP	2.5V	0
DOWN	2.5V	0
DEFROSTER	2.5V	0
WIPER	2.5V	0

Lens Control Voltage

	Speed	
	Low	High
NEAR	4.0V	2.5V
FAR	6.0V	7.5V
WIDE	4.0V	2.5V
TELE	6.0V	7.5V

**Note :** The impedance for the control voltage circuit should be 2 kohms or less.

**33. Gen-lock Connectors**

**(GEN-LOCK IN/OUT/AUTO,75 /HI-Z)**

These connectors receive the gen-lock signal(black burst or composite) from the Special Effects Generator for system reference.

When connecting two coaxial cables with BNC connectors to these connectors, the high impedance video loop is automatically selected. At all other times, these connectors are automatically terminated with 75 ohms.

**Note :** When not looping the gen-lock signal, be sure to connect the coaxial cable to the GEN-LOCK IN Connector. Otherwise, these connectors can not be automatically terminated.

**34. Auxiliary Input Connectors (AUX IN-AUTO/75 HI-Z OUT)**

These connectors receive the lineview signal from a Special Effects Generator. Two connectors are provided for bridging or looping application.

When connecting a single coaxial cable with BNC connector to this connector, these connectors can not be automatically terminated with 75 ohms.

**Note :** When not looping Aux, signal, be sure to connect the coaxial cable to AUX IN Connector. Otherwise, these connectors are automatically terminated with 75 ohms.

**35. Video Output Connectors (VIDEO 1, VIDEO 2)**

These connectors supply a composite video signal to a Special Effects Generator, a Video Monitor or a VTR.

**36. S-video Output Connector (S-VIDEO OUT)**

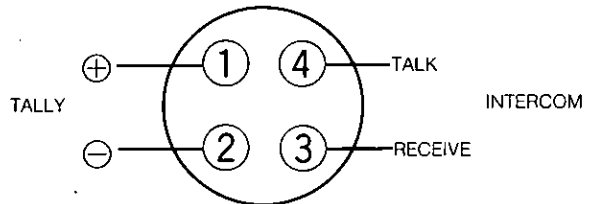
This connector outputs the Y/C signal when the Camera Output Signal Selector is set to Y/C position.

**37. Audio Output Jack (AUDIO OUT)**

For the WV-F500 or WV-F700 series Color Camera operation.

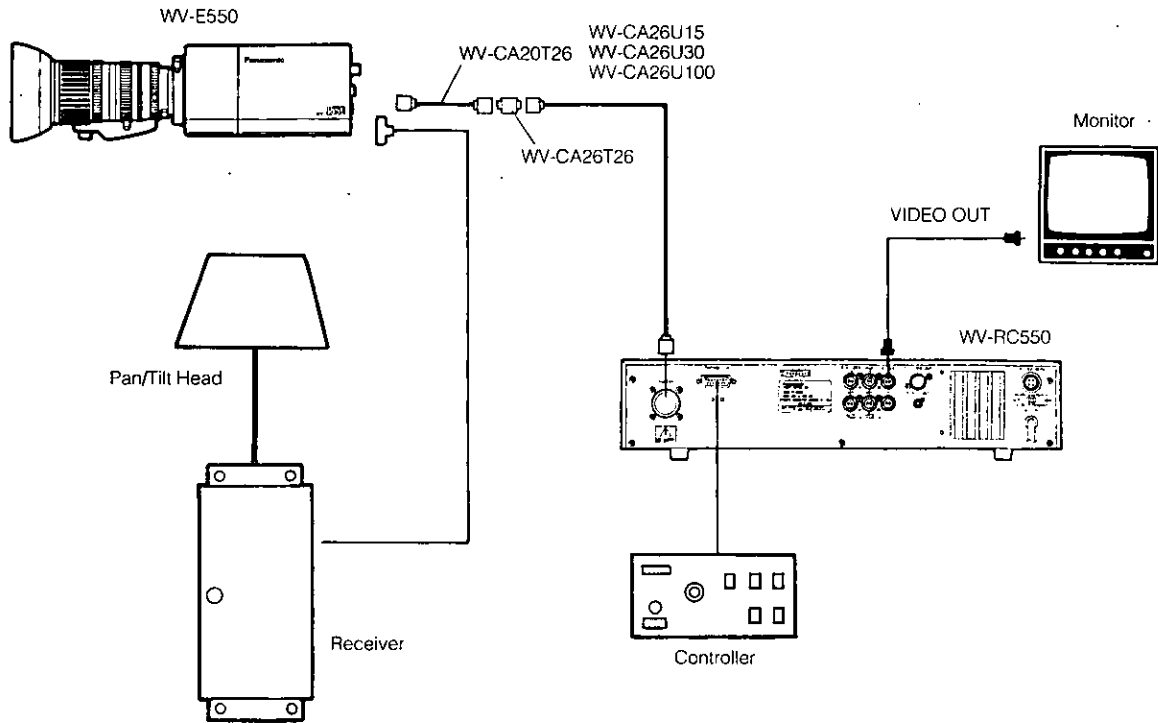
**38. Tally and Intercom Input Connector (TALLY & INTERCOM)**

This connector is connected with the Tally/Incom connector of a Special Effects Generator.



## CONNECTION

- Connect the Studio Cable WV-CA26U15, WV-CA26U30 or WV-CA26U100 with the conversion cable WV-CA26T20 between the Remote Connector of the Camera Connector (31) of this unit.
- Connect the 15-pin multi cable between the pan/tilt unit or lens control.



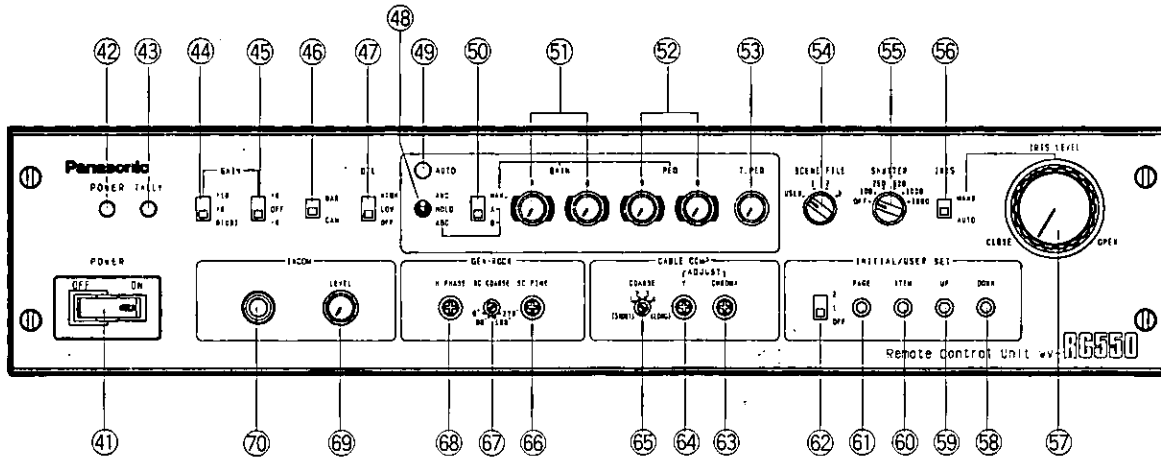
**Note :** WV-CA26T26 Joint Connector should be used when the cable length between the WV-E550 and this unit is extended to 1000ft (300m).



# FOR WV-F500 and WV-F700 series Color Camera Operation

**Preparation:** Stick the Front Panel Overlay (provided) onto the Front Panel of this unit and secure it with 4 screws (provided).

## MAJOR OPERATING CONTROLS AND THEIR FUNCTIONS



**41. Power Switch (POWER, ON/OFF)**

This switch turns on and off the power of the Remote Control Unit (RCU).

**42. Power Indicator**

This switch lights red whenever the unit is operating.

**43. Tally Indicator (TALLY)**

When this unit is used in conjunction with a Special Effects Generator, this indicator will light to indicate the selection of this unit from a Special Effects Generator.

**44. High Gain Selection Switch (0 dB/+9 dB/+18 dB)**

Normally set this switch to the 0 dB position. Positions +9 dB and +18 dB increase the video output amplitude for dark scenes and are equivalent to opening the lens iris 1.5 or 3 F steps, respectively.

**45. 6dB Gain Selection Switch (+6 dB/OFF/ -6 dB)**

Normally set this switch to the OFF position. By the combination of this switch with the High Gain Selection Switch (44), fine adjustment of the gain level is available.

**46. Color Bar/Camera Selection Switch (BAR/CAM)**

In a system configuration, this switch is used for signal selection between camera mode and color bar mode.

**BAR:** A color bar signal is provided from the Video Output Connector (35) of this unit.

**CAM :** The actual camera picture, as picked up through the lens, is displayed.

**47. Detail Level Selection Switch (DTL, LEVEL-HIGH/LOW/OFF)**

The detail/aperture level can be selected by this switch in three steps. Set this switch to the desired position while observing the sharpness of the picture.

**48. Auto White/Auto Black Set Switch (AWC/HOLD/ABC)**

This switch sets the white balance and black balance automatically as follows:

**AWC:** This position is used for setting the white balance when the White/Black Balance Selection Switch (50) is set to the A or B position. White balance adjustment is required when "AWC A NG" or "AWC B NG" is displayed in the viewfinder or when the Auto Warning Indicator (49) on lights.

**HOLD :** In this position, the white and black balances set at the AWC or ABC position can be held fixed, if so desired, for at least one year.

**ABC:** This position is used for setting the black balance when the White/Black Balance Selection Switch (50) is set to the A or B position. Black balance adjustment is required when "ABC NG" is displayed in the viewfinder or when the Auto Warning Indicator (49) on this unit lights.

**Note:** While the black balance adjustment is being automatically performed the picture will flash in the viewfinder and on the monitor screen. This flashing indicates that the adjustment is currently being performed and will cease once the adjustment is completed.

#### 49. Auto Warning Indicator (AUTO)

This indicator blinks while the white balance or black balance is being automatically set. It goes out once the white and black balances have been correctly set. This indicator lights when the white or black balance is set improperly. In this case, carry out the automatic setting procedure for white and/or black balance

#### 50. White/Black Balance Selection Switch (MANU /A/B)

This switch is used to select the white balance and black balance modes as follows:

**MANU:** The white balance and black balance can be adjusted by using the Red and Blue Gain Controls (51) and the Red and Blue Pedestal Level Controls (52).

**A:** The White Balance can be set automatically by pressing the Auto White/Auto Black Set Switch (48) upwards. The setting is stored in memory A.

**B:** Similar to A, but the setting is stored in memory B. Two white balance setting, one each for different lighting conditions such as indoor and outdoor, may be stored in the two memories, A and B.

#### 51. Red and Blue Gain Controls (R GAIN/B GAIN)

These controls are used to manually adjust the white balance.

These controls only work when the White/Black Balance Selection Switch (50) is set to the MANU position.

Turn the controls clockwise to increase the red and blue signal levels, and counterclockwise to decrease these levels.

**Note:** As these controls employ Digital Processing, the Red and Blue signal levels will be changed in discrete steps.

#### 52. Red and Blue Pedestal Level Controls (PED, R/B)

The black balance can be set manually by these controls when the White/Black Balance Selection Switch (50) is set to the MANU position. Turn these controls clockwise to increase the red and blue pedestal levels, and counterclockwise to decrease the levels.

**Note:** As these controls employ the Digital Processing, these levels will be changed in discrete steps.

#### 53. Total Pedestal Level Control (T.PED)

This control can adjust the pedestal level of the video signal (luminance) for matching the black level between two or more cameras in a system. Turn this control clockwise to increase the pedestal level, and counterclockwise to decrease the level.

**Note:** As this control employs the Digital Processing, this level may be changed in the step.

#### 54. Scene Selection Switch (SCENE FILE)

This switch is used to select the most suitable camera conditions, depending on scene conditions, to obtain the best picture possible.

Refer to the Operating Instructions of WV-F700 or WV-F500 series for details.

#### 55. Electronic Shutter Speed Selection Switch (OFF/100/250/500/1000/2000)

This switch is operative only when a camera featuring the electronic shutter function is connected with this unit.

When fast-moving objects are shot at the slow shutter speeds typically found in conventional cameras they will appear blurred. With the electronic shutter function, from which the following speeds can be selected: 1/100, 1/250, 1/500, 1/1000 or 1/2000 of a second, blur-free recording of high-speed action, such as car racing, golf swings, gymnastics, birds in flight is possible. The selection of shutter speed is made by pressing this switch.

**OFF:** Set this switch to this position when recording normally with standard shutter speeds.

**1/100, 1/250, 1/500, 1/1000, 1/2000:** Choose the suitable shutter speed from these.

#### 56. Lens Iris Selection Switch (IRIS, MANU/AUTO)

This switch is used to set the lens iris of the auto iris servo control zoom lens as follows.

**Auto:** The iris level of the lens is controlled automatically.

**Note:** Be sure to set the Iris Control Selection Switch on the zoom lens to the AUTO position.

**MANU:** The iris level of the lens is controlled to the desired level by using the Lens Iris Control (57)

#### 57. Lens Iris Control (IRIS LEVEL, CLOSE/OPEN)

The iris level of the zoom lens can be manually controlled by turning this control when the Lens Iris Selection Switch (56) is set to the MAN position

#### 58. Down Switch (DOWN)

This switch is used to decrease the set value of the item pointed out by the cursor.

**59. Up Switch (UP)**

This switch is used to increase the set value of the desired item pointed out by the cursor.

**60. Item Switch (ITEM)**

This switch is used to choose the item in the set up menu.

**61. Page Switch(PAGE)**

This switch is used to choose the desired set-up menu from the available menus.

**62. Initial/User Set Switch (OFF/1/2)**

This switch selects Encoder output or EVF (black and white) output from the Video Output Connector and whether the User Set Function is available as follows:

**OFF:** Encoder is output from the Video Output Connector (35) and the Initial/User Set function is available.

1: Encoder is output from the Video Output Connector (35) and the Initial/User Set function is available.

2: EVF (black and white) signal is output from the Video Output Connector (35) and the Initial/User Set function is available.

**63. Chroma Gain Fine Control (CHROMA ADJUST)**

This control allows for fine adjustment of the chroma signal level for matching the chroma levels of all the cameras in a system. Adjust this control only after having set the Cable Length Compensation Switch (65) to the correct position.

**64. Luminance Gain Fine Control (Y ADJUST)**

This control allows for fine adjustment of the luminance signal level for matching the levels of all cameras in a system. Adjust this control only after having set the Cable Length Compensation Switch (65) and the Luminance Gain Fine Control (24) to the correct position.

**65. Cable Length Compensation Switch (COARSE, 1/2/3/4)**

This switch is used to compensate for extensive cable lengths used with the 26-pin multi-cable between the camera and Remote Control Unit (RCU).

1. Use for cable length of less than 225 ft (75m)
2. Use for cable length of 225-450 ft (75-150m)
3. Use for cable length of 450-690 ft (150-230m)
4. Use for cable length of 690-900 ft (230-300)

**66. Subcarrier Phase Fine Control for Gen-lock (SC FINE)**

This control allows for adjustment of the camera signal subcarrier phase from 0° to 360° to match the phase with that of the burst signal at the Gen-lock Input Connector in a system configuration.

**67. Subcarrier Phase Coarse Control for Gen-lock (SC COARSE)**

The coarse control adjusts the subcarrier phase from 0° to 360° in 90° steps, while the fine control allows for continuous fine adjustment over a range of 90°.

**68. Horizontal Phase Control for Gen-lock (H PHASE)**

The horizontal phase of the camera signal can be adjusted to match the horizontal phase of the signal at the Gen-lock Input connector.

**69. Intercom Level Control (INTERCOM, LEVEL)**

Use this control to adjust the volume level in the headset connected to the Intercom Jack (70).

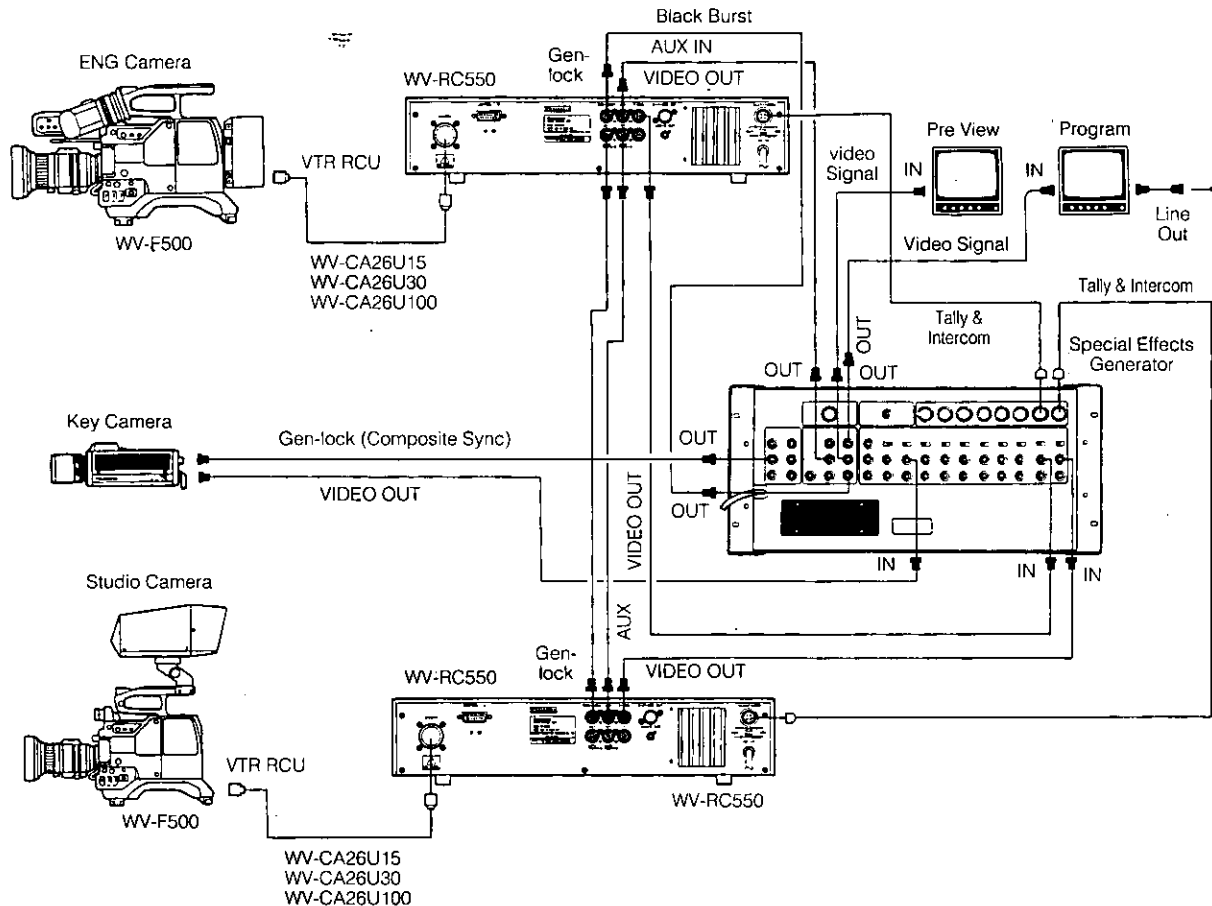
**70. Intercom Jack (INTERCOM)**

This jack is used for communications between the camera operator and Remote Control Unit (70) operator in a system configuration with a Special Effects Generator.

**For the Rear Panel, Refer to Number 31 - 38 listed on page 5.**

## CONNECTION

- Connect the Studio Cable WV-CA26U15, WV-CA26U30 or WV-CA26U100 with the conversion cable WV-CA26T20 between the Remote Connector of the camera and the Camera Connector(31) of this unit.
- Connect the 15-pin multi cable between the pan/tilt unit or lens control.



### For Gen-lock

- Connect the Studio Cable WV-CA26U15, WV-CA26U30 or WV-CA26U100 with the conversion cable WV-CA26T20 between the Remote Connector of the camera and the Camera Connector(31) of this unit.
- Connect the coaxial cable for the gen-lock signal between the black burst output on the production system and Gen-lock Input Connector on this unit. (The signal may be bridged or looped through to another RCU.)
- Connect the coaxial cable for the lineview signal between the effect output connector on the production system and the Auxiliary Input Connector on this unit. (the signal may be bridged or looped through to another RCU.)

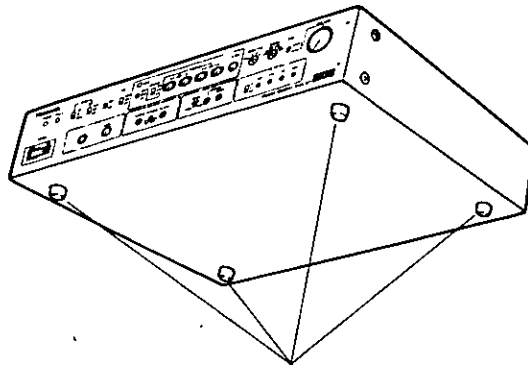
### Notes :

1. The Tally Light and intercom between the camera, RCU and Special Effect Generator will function only when the 4-pin cable for the Tally Light and Special Effects Generator.
2. The studio cable can be extended up to maximum of approximately 330 ft (100m).
3. The Subcarrier Phase Coarse, Fine Controls and the Horizontal Phase Control on the RCU should be set to match other camera in the system. Refer to the Operating Instructions of WV-F500 or WV-F700 series for details.

## PACK MOUNTING

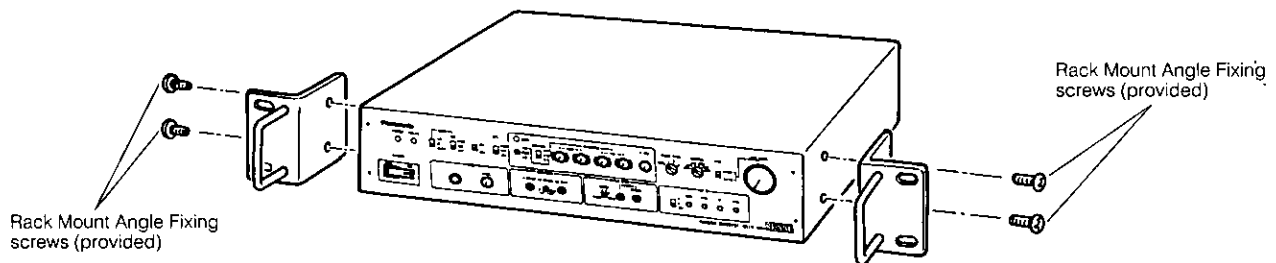
When this unit is to be mounted on a EIA 19-inch rack, use Rack mount angles (provided) and four screws (M4 x 10) (provided)

1. Turn off the Power ON/OFF Switch of the unit.
2. Remove four screws fixing the rubber legs and remove the four rubber legs from the bottom of the unit.

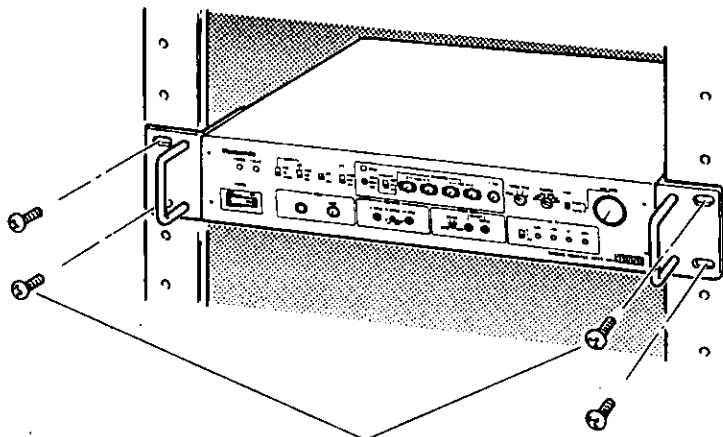


Remove rubber legs.

3. Attach the Rack mount angles on both sides and fix them by using four screws provided with the rack mount angle.



4. Install this unit on the EIA 19-inch rack by using four screws (Locally procured).



Fix four screws (not provided).

### Cautions :

- Do not use this unit on the place affected by the vibration.
- When the Fan is used to keep the temperature in the rack within 50°C, it should be put apart from the monitor.

## SPECIFICATIONS

Power Source :	120VAC, 60Hz, 56 watts
Video Output :	1.0Vp-p NTSC Composite, 75 ohm x 2 (BNC Connector)
Y/C Output :	Y ; 1.0Vp-p Composite C ; 0.286Vp-p Burst Level (4Pin S-Connector)
G/L Video Input :	1.0Vp-p NTSC Composite or Black Burst Video 75 ohm x 2 Loop-through Auto Termination (BNC Connector)
AUX Input :	1.0Vp-p NTSC Composite, 75ohm x 2 Loop-through Auto Termination (BNC Connector)
Audio Output :	-20dB x 1 (RCA Pin Jack) (Camera Adapter Audio Level SW -20dB)
Intercom :	4pin Connector
Intercom Jack :	M-6
Pantilt Control :	15pin D-Sub Connector
Switches :	Power On/Off, Cable comp., Gain (AGC), CAM/BAR, DTL High/Low/OFF, AWC A/B/MAN (ATW), AWC/ABC ST-ART, Shutter speed (ELC, S/S), Scene, file, IRIS AUTO/MANU, Setup (Initial/User set), PAGE, ITEM, UP, DOWN, G/L SC coarse
Controls :	Y gain, Chroma gain, Incom level, R gain, B gain, R pedestal, B pedestal (Painting), Total pedestal, IRIS level, G/L H-phase, G/L 56 phase Fine
Maximum :	26pin RCU Cable
Cable Length	1000ft (300m) MAX (WV-E550, WV-F500+WV-VF40) 330ft (100m) MAX (WV-F500+WV-VF65) 760ft (230m) MAX (WV-F700A+WV-VF40) 100ft (30m) MAX (WV-F700A+WV-VF65)
Power :	56W (WV-F500+WV-VF65, 100m 26pin RCU cable)
Ambient Operating Temperature :	14°F - 113°F (-10°C - +45°C)
Ambient Operating Humidity :	20% - 90%
Dimensions :	16-1/2" (W) x 3-7/16" (H) x 9-13/16" (D) (420 (W) x 88 (H) x 250 (D) mm)
Weights :	14.7 lbs. (6.7kg)

Weight and dimensions shown are approximate.  
Specifications are subject to change without notice.

## ACCESSORIES

4-Pin Connector (for Tally/Intercom) .....	x 1
Front Panel Overlay .....	x 1
Rack Mount Angle Mounting Screw .....	x 4
Rack Mount Angle .....	x 2

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