

Panasonic

System Controller Operating Instructions

Model No. WV-CU550CJ

ENGLISH

DEUTSCH

FRANÇAIS

ESPAÑOL

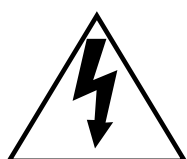
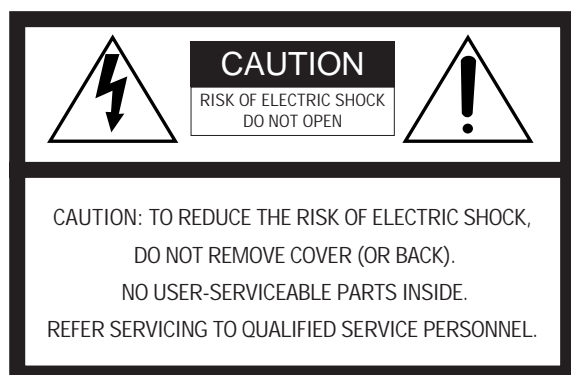


Before attempting to connect or operate this product,
please read these instructions carefully and save this manual for future use.

ENGLISH VERSION

CAUTION:

Before attempting to connect or operate this product, please read the label on the bottom.



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.



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.

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. WV-CU550CJ

Serial No. _____



For U.K.

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 13 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amp and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.


WARNING: This apparatus must be earthed.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code.

Green-and-yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wire in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows.

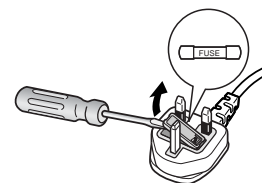
The wire which is coloured **green-and-yellow** must be connected to the terminal in the plug which is marked with the letter **E** or by the earth symbol  or coloured **green** or **green-and-yellow**.

The wire which is coloured blue must be connected to the terminal in the plug which is marked with the letter **N** or coloured **black**.

The wire which is coloured **brown** must be connected to the terminal in the plug which is marked with the letter **L** or coloured **red**.

How to replace the fuse

Open the fuse compartment with a screwdriver and replace the fuse and fuse cover.



WARNING:

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

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We declare under our sole responsibility that the product to which this declaration relates is in conformity with the standards or other normative documents following the provisions of Directives EEC/73/23 and EEC/89/336.

Wij verklaren als enige aansprakelijke, dat het product waarop deze verklaring betrekking heeft, voldoet aan de volgende normen of andere normatieve documenten, overeenkomstig de bepalingen van Richtlijnen 73/23/EEC en 89/336/EEC.

Vi erklærer os eneansvarlige for, at dette produkt, som denne deklaration omhandler, er i overensstemmelse med standarder eller andre normative dokumenter i følge bestemmelserne i direktivene 73/23/EEC og 89/336/EEC.

Vi deklarerar härmed vårt fulla ansvar för att den produkt till vilken denna deklaration hänvisar är i överensstämmelse med standarddokument, eller andra normativa dokument som framställs i EEC-direktiv nr. 73/23 och 89/336.

Ilmoitamme yksinomaisella vastuullamme, että tuote, jota tämä ilmoitus koskee, noudattaa seuraavia standardeja tai muita ohjeellisia asiakirjoja, jotka noudattavat direktiivien 73/23/EEC ja 89/336/EE. säädöksiä.

Vi erklærer oss alene ansvarlige for at produktet som denne erklæringen gjelder for, er i overensstemmelse med følgende normer eller andre normgivende dokumenter som følger bestemmelsene i direktivene 73/23/EEC og 89/336/EEC.

PREFACE

The WV-CU550CJ System Controller, when combined with the optional WJ-SX550C Matrix Switcher and WJ-AD550 Extension Unit, allows for flexible control of 128 cameras and 16 monitors.

When used in a system with either Receivers (WV-RC100, WV-RC150 or WV-RC170) or with Panasonic's Combination cameras, the WV-CU550CJ can control camera functions such as zoom and focus and can also control accessory equipment such as Pan/Tilt Heads.

In addition, the WV-CU550CJ can control sequential switching in systems programmed from the Set Up Menu of the WJ-SX550C Matrix Switcher.

FEATURES

The WV-CU550CJ System Controller, when combined with the WJ-SX550C Matrix Switcher and WJ-AD550 Extension Unit, enables control of the following functions:

- Routing of up to 128 cameras to any one of 16 monitors
- Remote control of up to 128 cameras and auxiliary equipment by using optional receivers and accessories, including:
 1. Remote control of Pan-Tilt Head and Camera Housing
 2. Remote control of Motorized Zoom Lenses: Focus, Zoom and Iris
 3. Remote control of camera settings, including Electronic Sensitivity Enhancement, Electronic Shutter, Electronic Zoom, and more
- Selection of various sequence functions such as Program Sequence, Tour Sequence and Group Sequence

Additional features of the WV-CU550CJ include:

- Up to 8 WV-CU550CJ System Controllers can be connected in a system by using standard RS-485 shielded 4-wire twisted pair cable. Can also be combined with standard communication media such as modems, fiber optics and microwave.
- Ergonomic design reduces the number of switches to only those with common functions. Secondary functions are accessed through function keys.
- Single-handed control of pan/tilt, zoom, and auto focus functions

PRECAUTIONS

- **Refer all work related to the installation of this product to qualified service personnel or system installers.**

- **Do not attempt to disassemble the appliance.**

To prevent electric shock, do not remove screws or covers.

There are no user-serviceable parts inside. Contact qualified service personnel for maintenance.

- **Handle the appliance with care.**

Do not strike or shake it, as this may damage the appliance.

- **Do not expose the appliance to water or moisture, nor try to operate it in wet areas.**

Take immediate action if the appliance becomes wet. Turn the power off and refer servicing to qualified service personnel. Moisture may damage the appliance and also cause electric shock.

- **Do not use strong or abrasive detergents when cleaning the appliance body.**

Use a dry cloth to clean the appliance when it is dirty.

When the dirt is hard to remove, use a mild detergent and wipe gently.

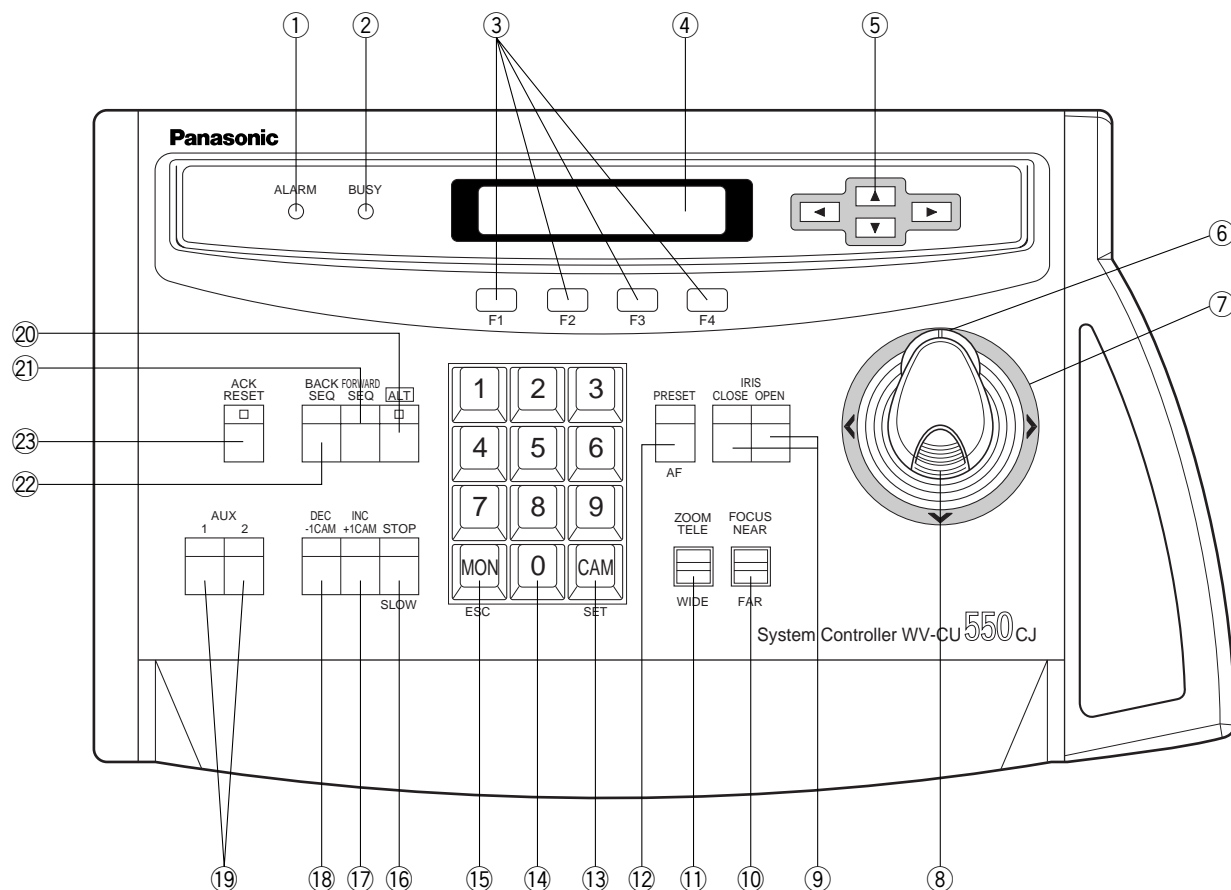
- **Do not operate the appliance beyond its specified temperature, humidity or power source ratings.**

Use the appliance at temperatures within -10°C to $+50^{\circ}\text{C}$ (14°F to 122°F) and a humidity below 90 %.

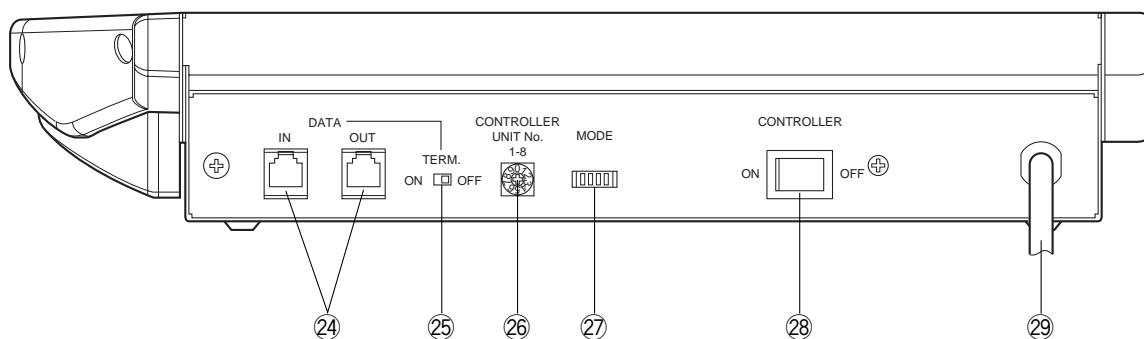
The input power source for this appliance is 220 V to 240 V AC 50 Hz.

MAJOR OPERATING CONTROLS AND THEIR FUNCTIONS

■ Front View



■ Rear View



① **Alarm Indicator (ALARM)**

Blinks to indicate that an alarm condition exists.

It changes to steady light when the alarm is reset automatically.

To turn the indicator off, press the ACK RESET button.

② **Busy Indicator (BUSY)**

Lights up when you attempt to control a monitor or a camera that is already used by a higher priority operator, or when the higher priority operator selects the monitor or camera you are currently operating.

Operations from the System Controller are disabled until this indicator goes off.

③ **Function Buttons (F1/F2/F3/F4)**

Select functions displayed on the LCD (Liquid Crystal Display) display.

④ **LCD (Liquid Crystal Display) Display**

Displays function menus, numeric input, and system status.

⑤ **Direction Buttons (◀, ▶, ▲, ▼)**

Select a function menu for display on the LCD display.

⑥ **Zoom Wheel Controller**

This control is used for zooming cameras equipped with the specified lens. Moving the control to the right will zoom in the image. Moving the control to the left will zoom out the image.

⑦ **Joystick Controller (UP/DOWN/LEFT/RIGHT)**

The joystick is used to manually operate the Pan/Tilt Head, or move the cursor in the Matrix Switcher's Setup Menu on the active monitor screen.

⑧ **Top Button**

Pressing this button will automatically set the lens focus of a specified camera.

⑨ **Iris Control Buttons (IRIS CLOSE, OPEN)**

Close or open the lens iris of cameras equipped with the specified lens.

When these buttons are pressed at the sometime for 3 seconds or more, the lens iris is reset to the factory default setting.

⑩ **Focus Control (FOCUS NEAR/FAR)**

Adjust the lens focus of cameras equipped with the specified lens.

⑪ **Zoom Control (ZOOM TELE/WIDE)**

This control is used for zooming cameras equipped with the specified lens.

⑫ **Preset Button (PRESET)**

Auto Focus Button (AF)

PRESET: This button, in combination with the Numeric keys, is used to move the selected camera to a preset position in a system equipped with the specified cameras.

AF: Pressing this button will automatically set the lens focus of a specified camera.

⑬ **Camera (Set) Key [CAM (SET)]**

CAM: Used for camera selection. To select a camera, enter the desired camera number with the Numeric keys, and then press the CAM key.

SET: This key, in combination with the Numeric keys, is used to enter numeric input, such as operator ID and password.

It is also used to execute the currently highlighted selection and to enter a submenu in the Setup Menu of the Matrix Switcher.

⑭ **Numeric Keys (0 to 9)**

These keys are used for numeric input into the system, such as the camera and monitor number, sequence number, preset position, etc.

⑮ **Monitor (Escape) Key [MON (ESC)]**

MON: This key is used to select a monitor.

To select a monitor, press the corresponding Numeric keys, followed by the MON key.

ESC: This key is used to escape from the currently highlighted selection on the Setup Menu of the Matrix Switcher.

Pressing this key, while the Alternate (ALT) indicator is on, will display the video that is connected to the Monitor Input (MONITOR IN) Connector on the WV-PB5504AE Video Output Board.

⑯ **Stop/Slow Button (STOP/SLOW)**

STOP: Pauses a sequence that is being run on the active monitor.

SLOW: For fine pan/tilt control, move the joystick while holding down the SLOW button.

⑰ **Increment Button (INC +1CAM)**

When a sequence running in forward direction has been paused with the STOP button, pressing this button will move the sequence one frame to the next step (in forward run direction). If the sequence was running in reverse direction, the button will move the sequence one frame to the next step (in reverse run direction).

This button is also used to select a camera. Pressing this button will replace the currently selected camera with the next higher camera number, if the active monitor is in Spot mode.

⑱ Decrement Button (DEC –1CAM)

When a sequence running in forward direction has been paused with the STOP button, pressing this button will move the sequence one frame to the previous step (in forward run direction). If the sequence was running in reverse direction, the button will move the sequence one frame to the previous step (in reverse run direction).

This button is also used to select a camera. Pressing this button will replace the currently selected camera with the next lower camera number, if the active monitor is in Spot mode.

⑲ Auxiliary Button (AUX 1, 2)

These buttons toggle the auxiliary switches in the Receiver on and off.

The auxiliary switches can be used, for example, to activate equipment connected to the receiver, such as lamps and buzzers.

⑳ Alternate Button (ALT)

This button activates the alternate function of dual-function control buttons.

㉑ Forward Sequence Button (FORWARD SEQ)

This button is used to run a selected Program or Tour Sequence in forward direction on the active monitor.

It also restarts a sequence forward from the step that was previously paused by pressing the Stop button.

㉒ Backward Sequence Button (BACK SEQ)

This button is used to restart a sequence backward from the step that was previously paused by pressing the Stop button.

㉓ Alarm Acknowledge and Reset Button (ACK RESET)

This button cancels an activated alarm. To cancel an alarm, first select the alarmed monitor(s), then press the ACK RESET button once for alarm acknowledgment (the indicator on the button blinks rapidly), and finally press it again for alarm reset (the indicator goes off).

After an alarm acknowledgment, pressing this button while the Alternate (ALT) indicator is on will cancel all currently activated alarms at the same time.

㉔ Data Ports (DATA IN, OUT)

Exchanges control data with the WJ-SX550C Matrix Switcher in a system.

㉕ Termination Switch (TERM ON/OFF)









This switch enables termination of the controller's data port.

㉖ Controller Unit Number Switch (CONTROLLER UNIT NO.)

This switch is used to identify the unit number of the System Controller in multiple system controller applications. Up to eight controllers can be installed in a system.

㉗ Mode Selection Switch (MODE)

These switches are used to set the mode of the System Controller connected to the Matrix Switcher. Set the switches as shown below.

Normal Mode	MODE			
				
ON 1 2 3 4				
CAM-P Mode	MODE			
				
ON 1 2 3 4				

㉘ Controller On/Off Switch (CONTROLLER ON/OFF)

This switch is used to turn the WV-CU550CJ system controller power on and off.

㉙ Power Cord

NOTE

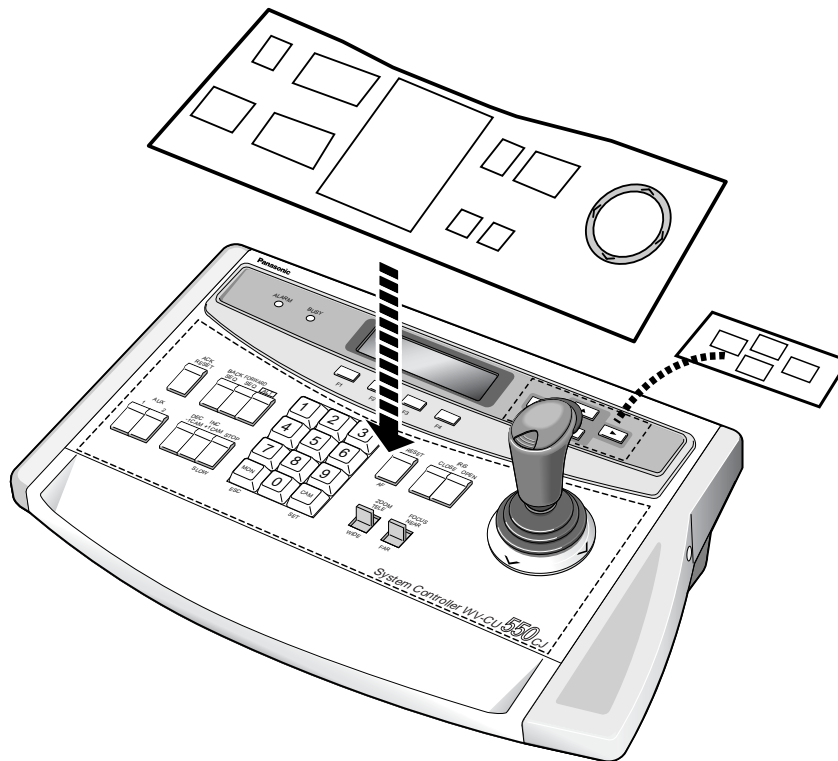
Refer to the Operating Instructions of the WJ-SX550C Matrix Switcher for further details.

INSTALLATION

■ System Controller for the WJ-FS616 Series Video Multiplexer

When combined this System Controller with the optional WJ-FS616 Series Video Multiplexer, place the display sheets and label on the controller shown below.

Refer to the Operating Instructions of WJ-FS616 Series for further details.



Note: Locate the System Controller in a level place.

SYSTEM INFORMATION

Please note that the following functions were added to improve the operation of the combination cameras.

■ Additions

● Selection of Pan/Tilt Speed

The Pan/Tilt speed can be changed by selecting a mode in the menu (A1) displayed on the LCD display of the controller.

1. Select the desired monitor and camera.

Camera	cc	A1
Monitor	mm	■SLW □FST

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F1	F2	F3	F4

2. Select a mode by pressing the F3 or F4 button.
"□" indicates the currently selected mode.

SLW: Moves the Pan/Tilt Head at lower speed.

FST: Moves the Pan/Tilt Head at higher speed.

3. Move the Joystick to move the Pan/Tilt Head in the desired direction.

Note: Changing the Pan/Tilt speed by pressing the STOP/SLOW button is enabled only when FST mode is selected.

The above function is available in a system that includes the following equipment:

WJ-SX550 Series Matrix Switcher

CPU Ver. 6.00 or later

Control Ver. 6.00 or later

WV-PB5548E Data Board Ver. 6.00 or later

■ Version Information

● WJ-SX550 Series Matrix Switcher

The onscreen display indicates the version in "Cold Start" or "Normal Start" during the power up procedure.

Matrix Switcher

Model WJ-SX550C

"Normal Start"

CPU Board SW.	Position
Unit No.	01
Video	PAL
Character Type	1
VD/VS	VS

ROM	Ver.
CPU	X.XX
Control	X.XX
Alarm No.1	X.XX
Output No.1	X.XX
RS-485 No.1	X.XX

Note: x.xx is a version number.

SPECIFICATIONS

Power Supply:	220 V to 240 V, AC 50 Hz
Power Consumption:	Approx. 5 W
Data Input/Output:	6-conductor Modular Jack (RS-485, 4-wire)
Switching Functions:	Program Sequence/Tour Sequence Group Sequence/Backward Sequence Forward Sequence/Inc Dec
Camera Functions:	Electronic Shutter: On/Off, Shutter Speed Select Electronic Sensitivity Up Mode Select: Auto/Manual/Off Electronic Zoom: On/Off, Zoom Position: Area Select Back Light Compensation: Auto/Preset/Off
Lens Functions:	Iris: Open/Close/Preset (only with DC control lens) Focus: Near/Far Zoom: Tele/Wide Auto Focus: Activate
Housing:	Wiper: On/Off, Defroster: On/Off, Camera: On/Off
Pan/Tilt:	Manual Pan: Right/Left, Manual Tilt: Up/Down Auto Pan: On/Off, Random Pan: On/Off, Preset, Home
Auxiliary Switch:	AUX 1 and 2: On/Off
Unit Number:	1 to 8
Ambient Operating Temperature:	-10 °C to +50 °C (14 °F to 122 °F)
Ambient Operating Humidity:	Less than 90 %
Dimensions:	370 mm (W) x 129 mm (H) x 221 mm (D) [14-9/16" (W) x 5-1/8" (H) x 8-11/16" (D)]
Weight:	2.2 kg (4.8 lbs.)

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

STANDARD ACCESSORIES

Data Cable 3 m (9.8 ft.)	1 pc.
Templates For WJ-FS616	1 set

MAJOR OPTIONAL UNITS AND ACCESSORIES

Matrix Switcher	WJ-SX550C
Extension Unit	WJ-AD550
Video Input Board	WV-PB5508E
Video Output Board	WV-PB5504AE
Alarm Input Board	WV-PB5564E
Data Board	WV-PB5548E
Blank Panel	WV-Q63E

Matsushita Electric Industrial Co., Ltd.

Web Site : <http://www.panasonic.co.jp/global/>

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