


Card Cage Operating Instructions

Model No. **WJ-SX650U**

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

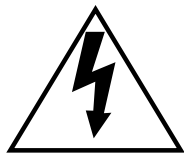
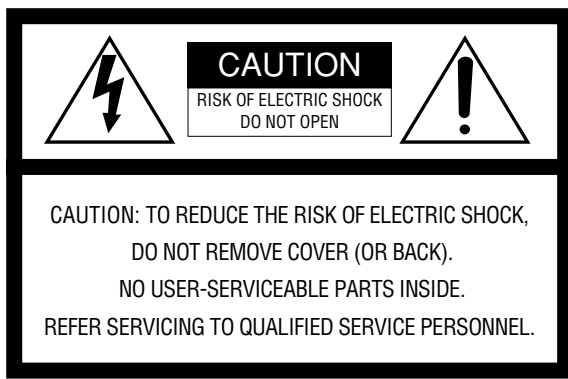
IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
 - 2) Keep these instructions.
 - 3) Heed all warnings.
 - 4) Follow all instructions.
 - 5) Do not use this apparatus near water.
 - 6) Clean only with dry cloth.
 - 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
 - 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
 - 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
 - 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
 - 11) Only use attachments/accessories specified by the manufacturer.
 - 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
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- S3125A
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
 - 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

REFERENCES

Along with this document, refer to Matrix Switcher WJ-SX650 Series Operating Instructions for major operating controls and their functions, switch settings, board mount-

ing procedure, and connections.



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.



Power disconnection. Unit with or without ON-OFF switches have power supplied to the unit whenever the power cord is inserted into the power source; however, the unit is operational only when the ON-OFF switch is in the ON position. The power cord is the main power disconnect for all units.

For Canada

This Class A digital apparatus complies with Canadian ICES-003.

For U.S.A.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: To assure continued compliance, (example - use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

The serial number of this product may be found on the surface 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:

- This apparatus must be earthed.
- To prevent fire or electric shock hazard, do not expose this apparatus to rain or moisture.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- All work related to the installation of this product shall be made by qualified service personnel or system installers.

PRECAUTIONS

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

- **Do not block the ventilation opening or slots on the cover.**

To prevent the apparatus from overheating, place it at least 5 cm {2 inches} away from the wall.

- **Do not drop metallic parts through slots.**

This could permanently damage the apparatus. Turn the power off immediately and contact qualified service personnel for service.

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

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

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

- **Do not strike or give a strong shock to the unit.**

It may cause damage or allow water to enter the unit.

- **Do not expose the apparatus to water or moisture. Do not try to operate it in wet areas.**

Take immediate action if the apparatus gets wet. Turn the power off and refer servicing to qualified service personnel. Moisture can damage the apparatus and also cause electric shocks.

- **Cooling Fan**

Turn the power off when cleaning the unit. Otherwise it may cause injuries.

The cooling fan will operate for approximately 30 000 hours. Replacement costs of the cooling fan are not covered by the warranty even if it needs to be done within the warranty period.

- **Cleaning**

Turn the power off when cleaning the unit. Otherwise it may cause injuries.

Do not use strong or abrasive detergents when cleaning the apparatus body.

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

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

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

Use the apparatus under conditions where temperatures are between -10°C and $+50^{\circ}\text{C}$ $\{14^{\circ}\text{F}$ to $122^{\circ}\text{F}\}$, and humidity below 90 %.

The appliance may not work properly after turning on in a cold atmosphere between -10°C and 0°C $\{14^{\circ}\text{F}$ to $32^{\circ}\text{F}\}$. Wait approximately 10 minutes until the inside temperature has risen to 0°C $\{32^{\circ}\text{F}\}$, it can work properly.

The input power source for this apparatus is 120 V AC, 60 Hz.

- **Pay attention to static electricity**

Make certain to keep boards inside the anti-static sack until it is installed.

Put your hand on a metallic surface, other than the boards to discharge static electricity before installation.

Do not touch components mounted on the boards directly by hand.

Hold only both edges of the boards when installing.

- **Do not use any power cord other than the one supplied.**

PREFACE

Card Cage WJ-SX650U is designed for Matrix Switcher WJ-SX650 Series.

When connecting each unit (Matrix Switcher WJ-SX650 or

Card Cage WJ-SX650U), use Expansion Cable Kit WJ-CA65L20K (Option) or WJ-CA65L07K (Option).

FEATURES

Up to 3 sets of Video Input Board WJ-PB65C32 can be mounted into a card cage.

SPECIFICATIONS

Power Source:	120 V AC, 60 Hz
Power Consumption:	60 W
Ambient Operating Temperature:	-10 °C to +50 °C {14 °F to 122 °F}* ¹
Ambient Operating Humidity:	Less than 90 %
Expansion slot:	x 3
RS-485 (Camera) Port* ² :	6-conductor modular jack x 12 (2-wire or 4-wire communication, With termination switches (MODE 1 to 4))
Extension Port (EXTENSION 1 IN, OUT):	6-conductor modular jack x 2 (With a termination switch (TERM: ON, OFF))
Extension Port (EXTENSION IN 2, 3):	37-pin D-sub connector x 2
Extension Port (EXTENSION OUT 2, 3):	37-pin D-sub connector x 2
Dimensions:	420 mm (W) X 265 mm (H) X 372 mm (D) {16-9/16" (W) X 10-2/5" (H) X 14-3/5" (D)} (excluding rubber feet and projections)
Weight:	18.0 kg {40 lbs.}

*¹ In the constant operation

*² 4 ports available with each Video Input Board WJ-PB65C32

STANDARD ACCESSORIES

Operating Instructions (This Document)	1 pc.
Warranty Card	1 pc.

The following part is used during installation procedures.

Power Cord.....	1 pc.
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