



DISPLAY WALL PROCESSOR

MODEL

VC-X3000

User's Manual

ENGLISH

FRANÇAIS

ESPAÑOL

PORTUGUES

ITALIANO

SVENSKA

DEUTSCH

한국어

中国語

Be sure to follow the directions below.

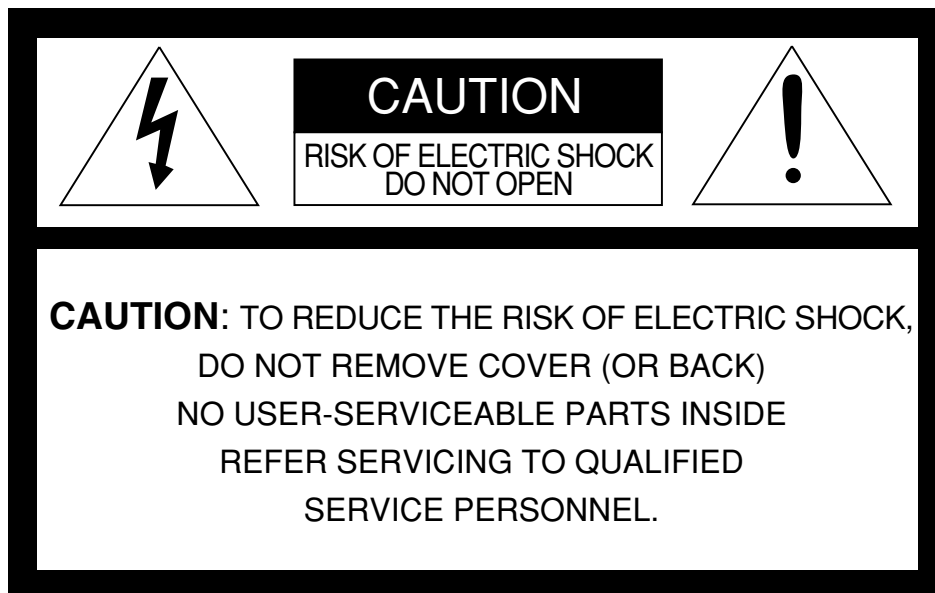
Warning:

This product requires special installation to prevent hazard.
Please ask installation specialists for installation.
Don't attempt to install the product by yourself.

This user's manual is important to you.
Please read it before using your product.

For MITSUBISHI dealer

Please read Set-up and Installation Manual before installing the product.



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.



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.

WARNING:

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

CAUTION:

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

NOTE:

SINCE THIS PRODUCT IS PLUGGABLE EQUIPMENT, THE SOCKET-OUTLET MUST BE INSTALLED NEAR THE EQUIPMENT AND SHOULD BE EASILY ACCESSIBLE.

Important safeguards

Please read all these instructions regarding your display wall processor and retain them for future reference. Follow all warnings and instructions marked on the display wall processor.

1. **Read instructions**
All the safety and operating instructions should be read before the appliance is operated.
2. **Retain instructions**
The safety and operating instructions should be retained for future reference.
3. **Warnings**
All warnings on the appliance and in the operating instructions should be adhered to.
4. **Instructions**
All operating instructions must be followed.
5. **Cleaning**
Unplug the power cord from the wall outlet before cleaning it. Do not use liquid aerosol cleaners. Use a damp soft cloth for cleaning.
6. **Attachments and equipment**
Never add any attachments and/or equipment without the approval of the manufacturer as such additions may result in the risk of fire, electric shock or other personal injury.
7. **Water and moisture**
Do not use this product near water or in contact with water.
8. **Accessories**
Do not place this product on an unstable cart, stand, tripod, bracket or table. Use only with a cart, stand, tripod bracket, or table recommended by the manufacturer or sold with the product. Any mounting of the appliance should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.



An appliance and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the appliance and cart combination to overturn.

9. **Ventilation**
Slots and openings in the cabinet are provided for ventilation, ensuring reliable operation of the product and to protect it from overheating. Do not block these openings or allow them to be blocked by placing the product on a bed, sofa, rug, or bookcase. Ensure that there is adequate ventilation and that the manufacturer's instructions have been adhered to.

10. **Power sources**
This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power, please consult your appliance dealer or local power company.
11. **Power-cord protection**
Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and points where they exit from the appliance.
12. **Overloading**
Do not overload wall outlets and extension cords as this can result in a fire or electric shock.
13. **Objects and liquids**
Never push objects of any kind through openings of this product as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
14. **Servicing**
Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
15. **Damage requiring service**
Unplug the power cord from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - (a) If the power-supply cord or plug is damaged.
 - (b) If liquid has been spilled, or objects have fallen into the product.
 - (c) If the product does not operate normally after you follow the operating instructions. Adjust only those controls that are covered by the operating instructions. An improper adjustment of other controls may result in damage and may often require extensive work by a qualified technician to restore the product to its normal operation.
 - (d) If the product has been exposed to rain or water.
 - (e) If the product has been dropped or the cabinet has been damaged.
 - (f) If the product exhibits a distinct change in performance - this indicates a need for service.
16. **Replacement parts**
When replacement parts are required, be sure that the service technician has used replacement parts specified by the manufacturer or parts having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
17. **Safety check**
Upon completion of any service or repair to this product, ask the service technician to perform safety checks determining that the product is in a safe operating condition.

WARNING:

Unplug immediately if there is something wrong with your product.

Do not operate if smoke, strange noise or odor comes out of your product. It might cause fire or electric shock. In this case, unplug immediately and contact your dealer.

Never remove the cabinet.

This product contains high voltage circuitry. An inadvertent contact may result in an electric shock. Except as specifically explained in the Owner's Guide, do not attempt to service this product yourself. Please contact your dealer when you want to fix, adjust or inspect the product.

Do not modify this equipment.

It can lead to fire or electric shock.

Use the optional specified power supply cord.

This apparatus must be grounded.

Place the product more than 20 cm (8 in.) from the wall to prevent blocking the intake, exhaust slots and ventilation of this product because hot air comes out of it.

Do not use the product under the following circumstances, which may cause fire or electric shock.

- in a dusty or humid place
- near a heater
- in a oily, smoky or damp place
- in direct sunlight
- with high temperature, such as the closed car
- where the temperature is lower than 10°C (50°F) or higher than 40°C (104°F)

For the control terminal, use an Ethernet cable only.

For your safety, connect to an Ethernet network

which does not exceed the voltage limit of the Ethernet connector.

CAUTION:

Use "CAT5 STP (shielded twisted pair) Ethernet cable" for control.

If you use unshielded control cable, it may cause interference with radio and television reception.

Do not use the included keyboard and mouse with other devices.

If used with another device, it may cause interference with radio and television reception.

The monitor connector and the 2 serial interface connectors (RS-232C) are non-LPS (non-limited power source).

NOTE:



This symbol mark is for EU countries only.

This symbol mark is according to the directive 2002/96/EC Article 10 Information for users and Annex IV.

Your MITSUBISHI ELECTRIC product is designed and manufactured with high quality materials and components which can be recycled and reused. This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste. Please, dispose of this equipment at your local community waste collection/recycling centre. In the European Union there are separate collection systems for used electrical and electronic product. Please, help us to conserve the environment we live in!

This product contains a Lithium Battery which contains Perchlorate Material - special handling may apply, See www.dtsc.ca.gov/HazardousWaste/perchlorate.

COMPLIANCE NOTICE OF FCC

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. This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Department of Communications.

Changes or modifications not expressly approved by Mitsubishi could void the user's authority to operate this equipment.

COMPLIANCE NOTICE OF INDUSTRY CANADA

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

COMPLIANCE NOTICE OF EC DIRECTIVE

This display wall processor complies with requirements of 2004/108/EC, 2006/95/EC. The requirements of susceptibility have chosen at a level, that makes interference free operation possible in living areas, office areas and light industry, related to indoor and outdoor operation. All places of operation are related to the public low voltage power supply.

This is a equipment of Class A. This device could cause interferences in residential areas; in the case of interferences it can be demand from the user to provide appropriate solutions and pay for it.

Warning:

This is class A information technology equipment. When used in a household environment, this product may cause radio interface. In such a case, the user may be required to take suitable countermeasures.

CLASS 1 LASER PRODUCT

Specifications / Items sold separately

• VC-X3000

Processor		Dual-Core Intel® Xeon® Processor LV 1.66GHz × 2
Chip set		Intel® E7520 + E6300ESB
System memory		1 GB (PC2-4200 512 MB Registered ECC DIMM × 2) Expandable up to 3 GB
Option slot		× 8 PCI Express (× 16 mechanical slot) × 1 PCI-X 64 bits/66 MHz, 3.3V × 15
Hard disk drive		80 GB, SATA 300 × 2 (RAID 1) One optional HDD can be added to support RAID 1 + Hot Spare or RAID 5.
Optical drive		DVD-ROM/CD-RW Combo Drive × 1
External interface	Network	RJ45 × 2 (10BASE-T/100BASE-TX/1000BASE-T)
	Serial	D-SUB 9-pin × 2
	USB	Front × 2
	Monitor	Mini D-sub 15-pin
	Keyboard Mouse	PS/2 6-pin mini-DIN with the Y cable
Power supply		100-120V AC, 200-240V AC, 50/60 Hz Redundant configuration with dual front-end power supply units
Current consumption		9.6A (100-120V AC), 4.8A (200-240VAC)
System battery		CR2032 lithium coin cell
External dimensions (excluding protrusions)		483 mm (19.0 inch) × 265 mm (10.4 inch) × 678 mm (26.7 inch) (W × H × D)
Weight		33 kg (72.6 lbs)
Operating temperature and humidity		10°C (50°F) to 40°C (104°F), 20% to 80%
Accessories		User's Manual, English 104 keyboard, Wheel mouse, Y cable for mouse/keyboard connection, Operating system recovery disk, Application disk

Option

- **Memory Module : S-X3000M (1GB)**
- **Hard Disk Drive : S-X3000HD (80GB)**
- **Power Cord (Europe) : JC-PC3ME (250V 10A)**
- **Power Cord (North America) : JC-PC3MUS (125V 13A)**
- **Power Cord (China) : JC-PC3MC (250V 10A)**

Design and specifications are subject to change without notice.

Hard Disk Replacement

CAUTION:

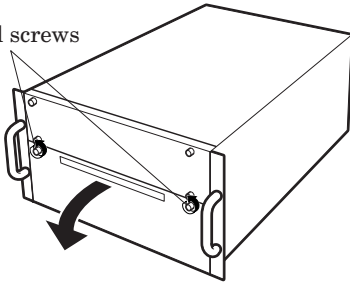
The replacement of hard disc should be performed while the power is on. If the hard disc is replaced when the power is off, the system will not be started.

Required tools:

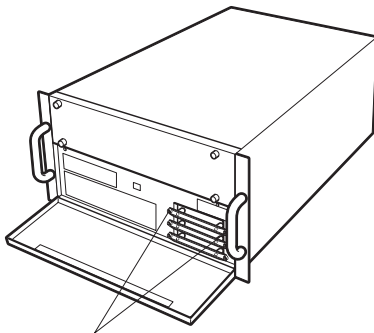
Hexagonal wrench (2.5 mm)

1. Remove the two front panel screws and open the front panel.

Front panel screws



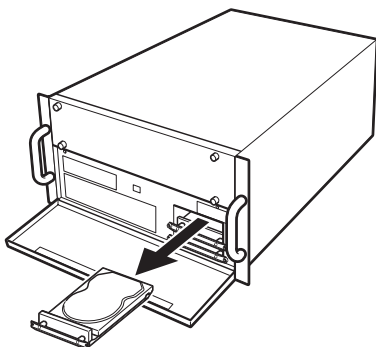
2. Remove the two hard disk installation screws with the hexagonal wrench.



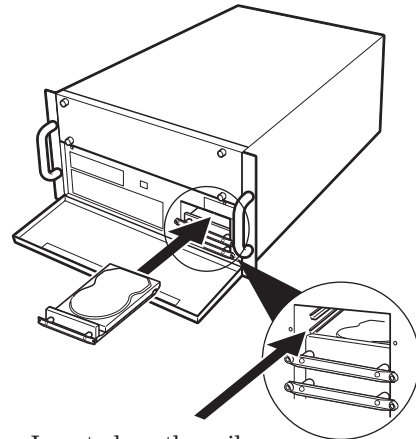
Hard disk installation screws

3. Remove the hard disk.

- Perform the same operations to remove from the two lower compartments.

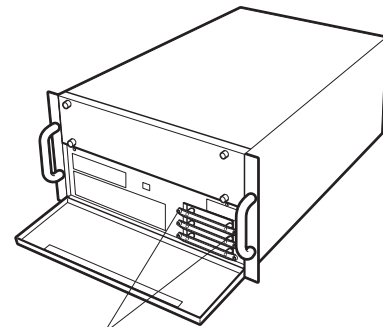


4. Firmly insert the new hard disk along the rails.



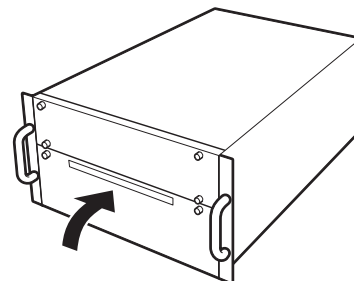
Insert along the rails.

5. Tighten the two hard disk installation screws.



Two hard disk installation screws

6. Close the front panel and tighten the two front panel screws.



Rack mounting installation

You can install this system into standard 19-inch rack, with attached “rack mounting bracket”.

This should be done by installation specialists.

To secure the rack, refer to the rack instructions from its manufacturer. One method for securing the rack is to bolt it to the floor or wall. Another method for securing the rack is to fasten it to another rack that is bolted to the floor or the wall.

Inspect the mounting fixings more than once in a year as needed.

WARNING:

If a rack is not properly secured, adding this system or other equipment to the rack may make the rack unstable.

1. Tmra -

The maximum recommended ambient temperature (Tmra) is 40 degrees Centigrade (104° F).

- A) Elevated Operating Ambient Temperature - If this product is installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing this product in an environment compatible with the Tmra.
- B) Reduced Air Flow - Installation of this product in a rack should be such that the amount of airflow required for safe operation of this product is not compromised.
- C) Air enters this product chassis through the perforated the front panel and leaves the chassis through the perforated top and rear panel in the rear of the chassis.

2. Mechanical Loading -

Mounting of this product in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

Consult rack manufacturer's loading instructions for proper load distribution.

3. Circuit Overloading -

Consideration should be given to the connection of this product to the supply circuit and the effect that overloading of circuits might have on over current protection and supply wiring. Appropriate consideration of this product nameplate ratings (on the rear of the chassis) should be used when addressing this concern.

4. Reliable Grounding -

Reliable grounding (earthing) of this product should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (i.e. - use of power strips).

This product needs 8U: 355.2mm (14inches) vertical space.

Do not install other system for cooling, upside and bottom side of 1U: 44.4mm(1.75inches).

Do not mount only attached bracket. Use support angle fit to chosen rack (Rack manufacturer provided).

Troubleshooting

Please check the following before contacting your dealer for service. Errors in signals are apt to be taken for problems in the product.

Problems	Remedies
No image appears on the screen.	<ul style="list-style-type: none">• Check that the power cord is connected firmly.• Check that proper signals are input from or output to the external devices.• Check that the terminals of the external devices are connected firmly.• Check that the external devices are turned on.
Power supply error LED lights up.	<ul style="list-style-type: none">• Contact your MITSUBISHI dealer.
Fan error LED lights up.	<ul style="list-style-type: none">• Contact your MITSUBISHI dealer.
HDD error LED lights up.	<ul style="list-style-type: none">• Replace the faulty HDD.
Temperature error LED lights up.	<ul style="list-style-type: none">• Check that the inlet port or outlet port of the VC-X3000 is not blocked with a cable or other article.
Can't control the devices.	<ul style="list-style-type: none">• Check that the LAN cable is connected properly.

Contact Information

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