

LED UNIT

MODEL

VS-15NP180R / VS-15NP180R1

VS-15NP180F / VS-15NP180F1

VS-12NP180R / VS-12NP180R1

VS-12NP180RD / VS-12NP180RD1

VS-12NP180RH / VS-12NP180RH1

VS-12NP180F / VS-12NP180F1

VS-12NP180FD / VS-12NP180FD1

VS-12NP180FH / VS-12NP180FH1

User's Manual

ENGLISH
NETHERLANDS
FRANÇAIS
ESPAÑOL
PORTUGUES
SUOMI
ITALIANO
DANSK
SVENSKA
NORSK
DEUTSCH
РУССКИЙ
日本語
한국어


Warning:	Be sure to follow the directions below.
	<p>This equipment is not suitable for use in locations where children are likely to be present.</p> <p>This product requires special installation to prevent hazard. Please ask installation specialists for installation. Don't attempt to install the product by yourself.</p>

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.

For Set-up and Installation Manual, please contact the distributor.

	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.		



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.

Important safeguards

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

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 the Cabinet**
Refer screen cleaning to qualified service personnel. Do not use liquid aerosol cleaners. Use a damp soft cloth for cleaning. Refer screen cleaning to qualified service personnel.
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-cable protection**
Power-cable 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. **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.
13. **Servicing**
Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
14. **Damage requiring service**
Stop using the product and refer servicing to qualified service personnel under the following conditions:
 - (a) If the power-cable 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.
15. **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.
16. **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:

Stop using the product 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, stop using the product immediately and contact your dealer.

Never remove the cover.

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 cable.

Electrostatic discharge may harm the surface of the LED units.

To prevent such damage, you should discharge static electricity from your body before you contact with the LED units. In addition, during the installation/maintenance work, remove any static charge that your body may have accumulated by touching a metal-grounded object periodically.

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
- in corrosive gas
- where the air vents are directly exposed to the air from an air conditioner
- where the product is frequently exposed to vibrations
- with high temperature, such as the closed car
- where the temperature is lower than 5°C (41°F) or higher than 40°C (104°F)
- where any corrosive gas i.e. SULFIDE-CONTAINING-GAS is produced.

Place the product more than 20cm (8in.) from the wall to prevent blocking the intake, exhaust slots and ventilation of this product because not air comes out of it.

This product use magnets. If a pacemaker or other medical device is in use, magnetic fields may affect the operation of these devices.

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.

NOTE:

This symbol mark is for EU countries only.



This symbol mark is according to the directive 2012/19/EU Article 14 Information for users and Annex IX, and/or to the directive 2006/66/EC Article 20 Information for end-users and Annex II.

Your MITSUBISHI ELECTRIC product is designed and manufactured with high quality materials and components which can be recycled and/or reused.

This symbol means that electrical and electronic equipment, batteries and accumulators, at their end-of-life, should be disposed of separately from your household waste.

If a chemical symbol is printed beneath the symbol shown above, this chemical symbol means that the battery or accumulator contains a heavy metal at a certain concentration. This will be indicated as follows:

Hg: mercury (0,0005%), Cd: cadmium (0,002%), Pb: lead (0,004%)

In the European Union there are separate collection systems for used electrical and electronic products, batteries and accumulators. Please, dispose of this equipment, batteries and accumulators correctly at your local community waste collection/recycling centre. Please, help us to conserve the environment we live in!

COMPLIANCE NOTICE OF FCC

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

COMPLIANCE NOTICE OF INDUSTRY CANADA

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

Warning:

This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

Specifications / Items sold separately

• VS-15NP180R / VS-15NP180R1 / VS-15NP180F / VS-15NP180F1

Model	VS-15NP180R / VS-15NP180R1	VS-15NP180F / VS-15NP180F1
Display system	Light emitting diode (LED)	
Resolution	320 x 360 pixels	
Screen size	480mm x 540mm	
Input / Output	Signal	Mitsubishi original image and control link (RJ45 x 2)
	Power	Mitsubishi original circular connector (Input x 1, Output x 1) Max. Input AC 100-120V: 11.4A, AC 220-240V: 6.0A Max. Output AC 100-120V: 9.5A, AC 220-240V: 5.0A
Power consumption	185 W	
Power supply	AC 100-120V 1.9A / AC 220-240V 1.0A	
External dimensions (excluding protrusions)	Width	480 mm (18.9 inches)
	Height	540 mm (21.3 inches)
	Depth	99 mm (3.9 inches)
Operation temperature and humidity	5°C – 40°C (41°F – 104°F), 20% – 80%	
Weight	12.4 kg (27.3 lbs)	13.0 kg (28.7 lbs)
Accessories	User's Manual, Power cable, Joint parts (4 pcs.), Adjustment bolts and nuts (3pairs)	

• VS-12NP180R / VS-12NP180R1 / VS-12NP180RD / VS-12NP180RD1 / VS-12NP180RH / VS-12NP180RH1

Model	VS-12NP180R / VS-12NP180R1	VS-12NP180RD / VS-12NP180RD1	VS-12NP180RH / VS-12NP180RH1
Display system	Light emitting diode (LED)		
Resolution	384 x 432 pixels		384 x 216 pixels
Screen size	480mm x 540mm		480mm x 270mm
Input / Output	Signal	Mitsubishi original image and control link	
	Power	(RJ45 x 2)	(RJ45 x 4)
		Mitsubishi original circular connector (Input x 1, Output x 1) Max. Input AC 100-120V: 11.4A, AC 220-240V: 6.0A Max. Output AC 100-120V: 9.5A, AC 220-240V: 5.0A	
Power consumption	185 W		
Power supply	AC 100-120V 1.9A / AC 220-240V 1.0A		
External dimensions (excluding protrusions)	Width	480 mm (18.9 inches)	
	Height	540 mm (21.3 inches)	
	Depth	99 mm (3.9 inches)	
Operation temperature and humidity	5°C – 40°C (41°F – 104°F), 20% – 80%		
Weight	12.6 kg (27.8 lbs)	12.8 kg (28.2 lbs)	10.4 kg (22.9 lbs)
Accessories	User's Manual, Power cable, Joint parts (4 pcs.), Adjustment bolts and nuts (3pairs)		

• VS-12NP180F / VS-12NP180F1 / VS-12NP180FD / VS-12NP180FD1 / VS-12NP180FH / VS-12NP180FH1

Model	VS-12NP180F / VS-12NP180F1	VS-12NP180FD / VS-12NP180FD1	VS-12NP180FH / VS-12NP180FH1
Display system	Light emitting diode (LED)		
Resolution	384 x 432 pixels		384 x 216 pixels
Screen size	480mm x 540mm		480mm x 270mm
Input / Output	Signal	Mitsubishi original image and control link	
	Power	(RJ45 x 2)	(RJ45 x 4)
		Mitsubishi original circular connector (Input x 1, Output x 1) Max. Input AC 100-120V: 11.4A, AC 220-240V: 6.0A Max. Output AC 100-120V: 9.5A, AC 220-240V: 5.0A	
Power consumption	185 W		
Power supply	AC 100-120V 1.9A / AC 220-240V 1.0A		
External dimensions (excluding protrusions)	Width	480 mm (18.9 inches)	
	Height	540 mm (21.3 inches)	
	Depth	99 mm (3.9 inches)	
Operation temperature and humidity	5°C – 40°C (41°F – 104°F), 20% – 80%		
Weight	13.4 kg (29.5 lbs)	13.6 kg (30.0 lbs)	11.2 kg (24.7 lbs)
Accessories	User's Manual, Power cable, Joint parts (4 pcs.), Adjustment bolts and nuts (3pairs)		

Design and specifications are subject to change without notice.

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