



VISTEK V1601 1RU RACK ENCLOSURE USER GUIDE

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VISTEK V1601 1RU rack enclosure

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1. DESCRIPTION

The V1601 chassis is designed for rack mounting into an industry standard 19" racking system conforming to IEC297-2 (BS5954) The chassis will accommodate up to 4 modules from the V1600 modular product range plus an optional rack controller module for remote control.

2. INSTALLATION

It is essential that the information in this section is followed, and the warnings observed.

2.1 Unpacking

On receipt of the equipment examine the transit packing for obvious signs of damage. If damaged, do not unpack but inform the carrier immediately.

When the equipment is unpacked check the items against the dispatch note. Visually inspect for mechanical damage and report immediately any shortages or damage to Vistek Electronics Ltd, or your Distributor.

Retain the packaging as it may be useful should it be necessary to return the equipment for repair.

2.2 Supply Voltage Selection

Warning! This equipment does not include a mains disconnect device. To meet the requirements of EN60950/IEC950 the supply socket outlet must be installed near the equipment and be easily accessible.

Warning! To avoid electric shock, the power cord protective ground (earth) must be connected earth ground.

Caution! Incorrect setting of the supply voltage selector or fitting a fuse of the incorrect rating, may cause damage to the equipment.

The voltage selector switch is located along the side of the chassis. The actual voltage setting is displayed on the switch body.

For mains input range	90-132Vac	set to 115V
For mains input range	185-265Vac	set to 230V

2.3 Installing in an equipment rack

The two rear support brackets supplied with the enclosure should be bolted to the equipment rack before installing the chassis. Support the chassis from underneath and offer it up to the equipment rack so that the chassis rests on the rear support brackets. Secure the enclosure chassis to the equipment rack by means of the retaining lugs at the front of the unit using M6 fixing screws fitted with plastic protective washers.

If handling the enclosure in the equipment rack when it is not resting on the rear support brackets, care should be taken to support the rear of the chassis at all times.

The enclosure uses forced air cooling across the chassis. After installing in the equipment rack, ensure that the ventilation slots and fan exhaust holes in the chassis sides are not obstructed in any way.



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2.4 Installing V1600 modules

The enclosure will normally be supplied already configured with modules from the V1600 range. If adding further modules or needing signal connection information, refer to the additional manuals supplied.

Ensure that adequate strain relief is provided for all cabling.

Caution! Do not connect a 10/100 baseT Ethernet network to the RJ45 connector. This is used for the DARTnet remote control network.

3. MAINTENANCE / SERVICING

Caution! These servicing instructions are for use by qualified personnel only. To reduce the risk of electric shock, do not perform any servicing other than contained in the Operating Instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

3.1 Fuse replacement

Caution! Fitting a fuse of the incorrect rating may damage the equipment.

Disconnect the power cord from the IEC mains inlet. Lift the fuse cover adjacent to the mains inlet (see Fig.1) to gain access to the fuse holder. Use a screwdriver to remove the fuse. N.B. for safety reasons it is not possible to replace the fuse with the power cord connected to the enclosure. Replace the fuse with the following type:-

T1.6A 250V type ceramic HBC 20mm x 5mm

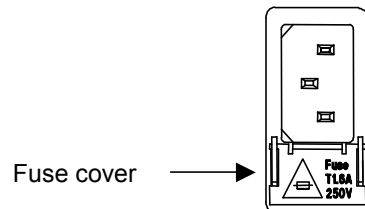


Fig. 1

3.2 Lithium Battery replacement. V1608 rack controller (if fitted)

Caution! This equipment contains a lithium battery. There is a danger of explosion if this is replaced incorrectly. Replace only with the same, or equivalent type. Dispose of used batteries according to manufacturers instructions. Batteries shall only be replaced by trained service technicians.

No instructions for the replacement of the battery are provided as servicing to component level is not recommended. Contact Vistek Electronics Ltd, or your local distributor for a replacement V1608 Rack Controller card.



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4. SPECIFICATION

Line Voltage	90-132Vac & 185-265Vac (Selectable on Side of Chassis)
Line Frequency	45-66Hz
Input Power	Dependant on no. of modules fitted maximum 70W
Connector Type	IEC
Power Supply MTBF	> 500,000 Hours

Height	43.6mm
Depth	420mm
Width	449mm

Operating Temperature	0° to 40°C
Storage Temperature	-10° to + 70°C
Relative Humidity	0 - 90% non-condensing @ 40°C

EMC: EN 55 022 Limits and methods of measurement of radio disturbance characteristics of information technology equipment. EN 50082-1 Electromagnetic compatibility - Generic immunity standard.

Safety: EN 60950, IEC 950 Safety of information technology equipment, including electrical business equipment.