

### Technical Specification

Outlets.....	overall 32 A 4 x IEC320 C19 (16 A fused) and 6 x IEC320 C13 (5 A fused)
Temperature and Humidity Range.....	refer to V2000 Amplifier Mainframe specifications
Ingress Protection.....	IP30
Dimensions (H x W x D).....	88 mm x 425 mm x 180 mm (excl. handles) 19-inch rack mounting
Weight.....	4 kg

### Safety and Precautions

Observe all safety information both on the equipment and in this section.



The temperature and humidity ranges shown in the specifications for this equipment must not be exceeded.



This equipment must not be installed in an area that is subject to a corrosive atmosphere, excessive moisture or may allow water or other liquids to come into contact with the unit or its external connections.



Objects containing liquids should not be placed upon the equipment.



Ensure power supply cabling is adequately rated for the unit's operating current and temperature, and is protected against short-circuit by a correctly rated fuse or circuit breaker.

Using too thin a cable can cause a safety hazard and will give excessive voltage drop and operational failure.



Always ensure that the equipment is correctly earthed by connection to an AC mains supply with a protective earthing connection.



The MDIST-V2000 requires an external mains disconnect or isolation switch device provided as part of the building wiring that provides at least 3 mm contact separation in both the Live and Neutral lines.



External over-current protection of the input supply to the MDIST-V2000 must be provided and must not exceed 32 A.



Always replace blown fuses with the correct type and rating.



This product must be disposed of in accordance with the WEEE directive.

### Additional User Documentation:

Additional reference information is available from the ASL's website: [www.asl-control.co.uk](http://www.asl-control.co.uk)

## Introduction

This document describes how to install the MDIST-V2000 into an equipment rack.

This is the installation sequence:

1. Preparation (page 2)
2. Unpacking and Handling (page 2)
3. Installation (page 3)

## Preparation

1. Read and observe the safety instructions and guidelines above.



Failure to follow these instructions and guidelines may cause personal injury and/or damage to the equipment.

2. Gather the following documentation and tools:
  - The system design documentation of the specific location
  - Flat-bladed screwdriver (small and medium)
  - Pozidriv screwdrivers (No 1)
  - A pair of wire cutters/strippers
  - 19-inch rack-mount fixing screws as required by the system design
3. Gather the MDIST-V2000 (in its original packing).
4. A standard 19-inch rack is required for the installation.

## Unpacking and Handling

1. Observe any markings or warnings on the package prior to handling and opening.
2. Check the equipment package for signs of damage during transport. Report problems to the carrier or supplier.
3. Unpack the equipment in a dry area handling the equipment with care.
4. Check the equipment package contents for completeness. Report any missing items immediately.

MDIST-V2000 packing contents:

- 1 x 19-inch rack mounting mains power distribution block
  - 1 x Installation Guide
5. It is advisable to retain the original equipment packing (containers and materials) in the event that the equipment ever needs returning for service.
  6. If the packing is not to be retained, the packing materials should be either recycled or disposed of according to local regulations.
  7. Ensure that the name and address of the Authorised Distributor from whom you purchased the product is recorded on the 'Service and Warranty' page of this document for future reference.
  8. Repacking instructions are provided in Section '10 Packing for Return' (page 4).

**Installation**

1. Ensure that the AC mains supply to the MDIST-V2000 is isolated.

2. Connect the mains cable coming out of the gland to the AC mains supply terminals at the equipment rack.



Note the conductor and terminal marking on the right.



Ensure that the gland and terminals are tightly fitted.

IEC 60445 – Conductor and Terminal Marking		
Marking		Wiring Colour
E	or	Earth Green / Yellow
N		Neutral Blue
L		Live Brown

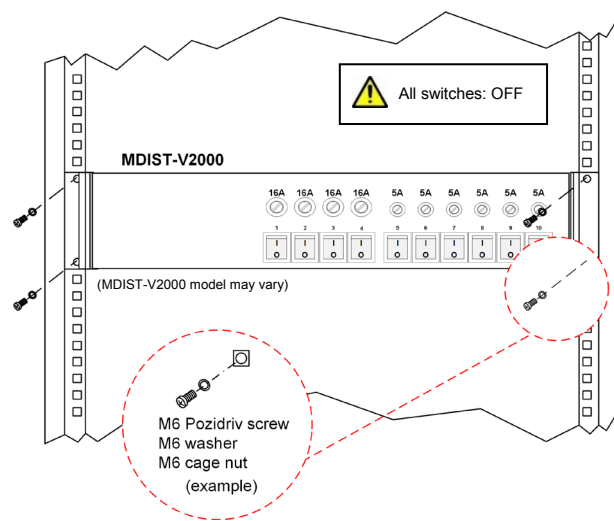
3. Mount the MDIST-V2000 in any convenient location using the fixings screws and washers.



Ensure all switches are in the OFF position.



Ensure that the earth strap on the distribution block is connected to the equipment rack.



4. Connect all required leads between the distribution block and equipment.



Ensure that all cables are tied neatly and clear from any sharp edges or other risk of chafing.

5. Connect the AC mains supply to the MDIST-V2000.

## Storage and Preservation

This product should be packed for storage in the original packing as described in 'Packing for Return' section below and stored in the following environmental conditions:

- Away from harsh environmental conditions, such as areas that are subject to corrosive atmosphere, excessive moisture or may allow water or other liquids to come into contact with the unit or its external connections.
- In a heated and humidity controlled storage areas where the temperature and humidity are within the product specification.

## Packing for Return

If a product is being returned for servicing, try to use the containers and materials of the original packaging. Attach a tag indicating the type of service required, return address, equipment type and full serial number.

If the original packing can no longer be used, the following general instructions should be used for repacking with commercially available materials:

- All electronics assemblies must be properly packed in ESD protective packing for transport, to prevent physical and ESD damage.
- The filler material used for packing must be antistatic or static dissipative, as this may come into contact with exposed connectors, wiring, or PCB assemblies. The use of non-conductive filler material may cause damage to the electronic assemblies reducing their operational life, or even destroying them.
- Use a sturdy cardboard box that will support the weight and size of the equipment.
- Attach a tag indicating the type of service required, return address, equipment type and full serial number.
- Completely wrap the equipment in bubble wrap (all sides must be protected) and secure the wrap in place with tape.
- Place the wrapped equipment inside the box surrounded by filler material, ensuring that there is no room for movement.
- Seal the box securely with packing tape.

## Service and Warranty

Name and Address of Authorised Distributor:

This product carries a full warranty. For full details of warranty and service agreements, please contact the Authorised Distributor who supplied the product to you.

## Exclusions

The warranty does NOT cover:

1. Customer misuse, including incorrect installation.
2. Damage other than manufacturing defects.
3. Transit / Courier damage.
4. Incorrect voltage or power supply used.
5. Incorrect input signal.
6. Abnormal environmental operating conditions.
7. Damage incurred by accident, fire, lightning or other hazard.
8. Modification to the unit or inexpert / attempted repair.
9. No fault found – where no fault can be found after extensive testing, indicating user error or failure in ancillary equipment.
10. Electronic assemblies which are improperly packed when returned for repair or service. All electronics assemblies must be properly packed in ESD protective packing for transport to prevent physical and ESD damage.

Should any of the above apply, Application Solutions (Safety and Security) Limited reserves the right to raise any relevant charges to the customer.

Application Solutions (Safety and Security) Limited shall not be liable for any indirect, special or consequential loss or damage (including without limitation any loss of profits) arising from the use of this product or for any breach of this warranty.

In the interest of continual product development, Application Solutions (Safety and Security) Limited reserves the right to make changes to product specification without notice or liability.