

QUICK START GUIDE

MediaStar 726 Power Supply Unit Replacement Guide



The 726 power supply module is designed for use in the dual redundant MediaStar 770-DR rack only. This rack has two independent 726 PSU modules, each individually capable of powering the entire rack so in the event of a PSU failure, the other power supply will automatically take over without disruption of the 'blade' processor modules.

The 726 module converts the electrical mains input into the low voltage DC power that is used by the MediaStar processor modules ('blades') installed in the rack. It also contains fans that provide cooling to the power supply module and the installed 'blades'.

A 726 power supply should only need replacing when the warning indicators on the front panel indicate there is a problem.

If the blue 'POWER' indicator is flashing, it is likely the electrical mains supply is no longer present or the power supply has failed. If the 'FAN' indicator is red, then a fan has failed or is running too slowly. If only the red 'FAULT' indicator is on, the DC voltage rails supplying the 'blade' modules are outside their normal operating limits.

What's in the box:

- 726 power supply unit

These instructions provide guidance to suitably qualified service personnel to allow them to safely swap out a faulty 726 module with a new unit.

Service personnel are persons having appropriate technical training and experience necessary to be aware of hazards to which they may be exposed in performing this task and of measures to minimize the risks for themselves or other persons.

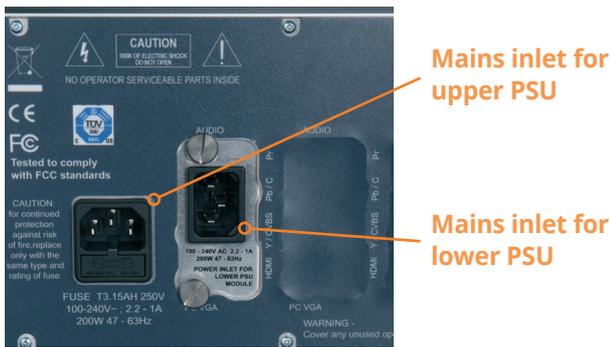
It is important that all the instructions and safety precautions listed here are carried out. Read these instructions fully before starting, and ensure you understand their meaning. If you do not understand these instructions, then please refer to your MediaStar equipment reseller or Cabletime (the Manufacturer).

Electrical static discharge precautions should be taken when handling the 726 PSU module.

NOTE: In a 770-DR rack, hazardous mains voltages will still be present inside until BOTH mains input cables have been removed.

726 PSU Replacement Instructions

1. Prior to starting work, ensure that the existing 770 rack installation conforms to the requirements described in the latest version of the document 'MediaStar 770 Rack Installation Guide' (part number 200-2320). This document can be downloaded from www.cabletime.com.
2. Check which PSU module has failed and remove the corresponding IEC mains cable from the rear of the rack.



Check the mains electrical feed from the IEC cable is still live by plugging the IEC mains cable into another appliance of a similar power rating. When replacing the upper 726 PSU module, also check the IEC mains inlet fuse (situated on the rear face of the rack, by the mains inlet) has not blown. Replace only with a fuse of similar rating, as specified on the rear of the 770 rack.

3. Unscrew the two screw fasteners on the front panel of the faulty power supply module, and pull the power supply module forwards, out of the rack.
4. Insert the new 726 module into the rack. Carefully locate the PSU's base in-between the corresponding pair of circular guide spigots mounted in the sides of the rack, and gently push the module in (with some 'jiggle' to help the connectors engage), until the PSU front panel is flush with the rack.
5. Secure the 726 module in place by tightening the two screw fasteners on the front panel.
6. Re-insert the IEC mains power cable and turn the mains supply on
7. On the power supply module(s), the front panel 'POWER' indicator should be illuminated (blue) and the 'FAN' indicator should be green. This indicates the power supply is working within voltage limits and the fans are operating. The 'FAULT' indicator should be off. If the blue 'POWER' indicator is flashing and red 'FAULT' indicator is on, re-check the IEC mains cable has a live electrical mains supply on it. If replacing the upper PSU, check the rear panel IEC mains fuse has not blown.
8. Check the processor modules in the rack are functioning as expected.
9. Dispose of the old 726 PSU module in an appropriate manner. This module is classified as electrical waste and should not be disposed of with household waste.

Technical Specifications

POWER INPUT	100 – 240 VAC, 2.2 – 1A, 50/60 Hz 200 Watts via MediaStar 770 rack
DIMENSIONS	19.2 x 10.2 x 6.5 cm 7.6 x 4 x 2.6 " Designed for use in a MediaStar 770-DR rack only
WEIGHT	0.6 Kg
ENVIRONMENTAL	0 – 40° C ambient 770 rack temperature
APPROVALS	FCC Part 15, CE, CB

Declaration of Conformity



Cabletime Limited declares that the products listed below, when installed and operated as described here, conform to the requirements of the directives shown:

Product names: MediaStar 726 Power Supply Unit
Product part numbers: 726

Directives:

2014/30/EU Electromagnetic Compatibility (EMC) Directive
2014/35/EU Low Voltage Directive
2011/65/EU RoHS2

The standards applied are:

EN55032:2012/AC 2013 Electromagnetic compatibility of multimedia equipment – Emissions requirements.
EN55024:2010 (including corrigendum June 2011) Information Technology equipment – Immunity characteristics.
EN61000-3-2:2014 Electromagnetic compatibility – Limits for harmonic current emissions.
EN61000-3-3:2013 Electromagnetic compatibility – Limitation of voltage changes, voltage fluctuation and flicker.

IEC 60950-1:2005+A1:2009+A2:2013 Information Technology Equipment. Safety Requirements.
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
UL 60950-1:2007/R:2014-10
CAN/CSA C22.2 No. 60950-1:2007/A2:2014-10

IEC 62368-1:2014 Audio/video, information and communication technology equipment.
Safety Requirements.

EN 62368-1:2014
UL 62368-1/2014
CSA/CAN C22.2 No. 62368-1-14

CB Certification Applicable to all CB scheme subscribing territories.

I hereby declare that the products listed here conform to the directives shown above when installed and used according to their respective manuals.

Keith Watts
Technical Director

July 2017

United States of America

Cabletime Limited declares 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 Subpart B (15.107, 15.109). 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 device complies with part 15 of the FCC Rules.

Operation is subject to the following conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

Correct Disposal of this Product

This marking on the product, accessories or literature, indicates that the product and its electronic accessories should not be disposed of with other household waste at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.



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