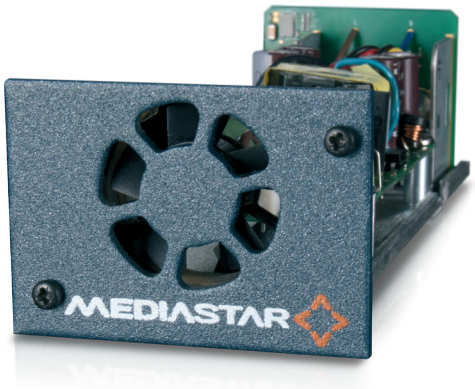
QUICK START GUIDE

MediaStar 768 Power Supply Unit Replacement Guide



The MediaStar 769 single 'blade' chassis uses a 768 power supply unit that can be quickly swapped out by suitably qualified service personnel in the event of a failure.

The 768 PSU converts the electrical mains input into the low voltage DC power that is used by the MediaStar processor module ('blade'). It has a fan that provides cooling to the power supply module and the installed 'blade'.

The 768 power supply should only need replacing when the red 'FAULT' indicator (viewable through the front fan aperture) is illuminated , or when the power supply is no longer powering the chassis at all.

These instructions provide guidance to suitably qualified service personnel to allow them to safely swap out a faulty 768 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.

What's in the box:

- 768 power supply unit

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).

All the IP services being provided by the 'blade' in the 769 chassis will be lost while it is powered down. Replacing a (partially working) 768 PSU module may therefore need to be scheduled outside normal working hours or with a suitable notification of the temporary disruption of services.

Electrical static discharge precautions should be taken when handling the 768 PSU module.

768 PSU Replacement Instructions

1. Prior to starting work, ensure that the 769 installation conforms to the recommendations described in the latest version of the document 'MediaStar 769 Chassis Installation Guide' (part number 200-2326). This document can be downloaded from www.cabletime.com.
2. Remove the IEC mains cable from the rear of the chassis. This will power down the installed 'blade' if it is still running.
   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.
3. Undo the two screw fasteners on the front panel of the power supply module, and pull the power supply module forwards, out the front of the chassis. If necessary, remove the 'blade' to aid access.
4. Insert the new 768 module into the front of the chassis. Gently push the module in, with some 'jiggle' to help the connectors engage.
5. Secure the 768 module in place by tightening the two screw fasteners on the front panel. Refit the 'blade' if it has been removed.
6. Re-insert the IEC mains power cable and turn the mains supply on.
7. On the front of the power supply module, a blue light should be visible through the fan aperture which indicates the PSU is working. If the red fault indicator light is on, the DC voltage rails supplying the 'blade' module are outside their normal operating limits or the fan has failed or is running too slowly. The fan should come on for ten seconds on power on, and then stop if the unit is cool. The fan won't run continuously unless the internal temperature of the chassis is high enough.
8. If the blue indicator light remains off, remove the IEC mains cable and check the IEC mains inlet fuse has not blown (situated on the rear face of the chassis, by the mains inlet). Replace only with a fuse of similar rating, as specified on the rear of the 769 chassis.
9. Check the processor module is functioning as expected and no error messages or warnings are being shown on the front panel.
10. Dispose of the old 768 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, 0.4 – 0.2A, 50/60 Hz 30 Watts
DIMENSIONS	16.5 x 5.8 x 4.2 cm 6.5 x 2.3 x 1.7 " Designed for use in a MediaStar 769 chassis only
WEIGHT	0.2 Kg
ENVIRONMENTAL	0 – 40° C ambient 769 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 768 Power Supply Unit
Product part numbers: 768

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.

Whilst all reasonable care has been taken to ensure the accuracy of this publication, the publishers and authors cannot accept responsibility for any errors and omissions. Cabletime Limited reserves the right to revise this publication and to make changes in the content from time to time without notice.

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