

QUICK START GUIDE

MediaStar 771 Power Supply Unit Replacement Guide



The 771 Power Supply Unit is designed for use in the MediaStar 770 rack unit only. It 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 and the installed 'blades'.

The 771 power supply should only need replacing when the warning indicators on the front panel indicate there is a problem, or when the power supply is no longer powering the 'blades' installed in the rack.

These instructions provide guidance to suitably qualified service personnel to allow them to safely swap out a faulty 771 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:

- 771 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 'blades' in a 770 rack will be lost while it is powered down. Replacing a (partially working) 771 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 771 PSU module.

771 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. Remove the IEC mains cable from the rear of the rack. This will remove power from the entire rack and stop the output from all the installed 'blades'.
3. Unscrew the four domed-head screw fasteners on the front panel of the power supply module, and pull the power supply module forwards, out the front of the rack. If necessary, remove the processor module to the left of the PSU to aid access.
4. Insert the new 771 module into the rack. Carefully locate the top and bottom edges of the module's metal sides into the plastic rack slides, and gently push the module in (with some 'jiggle' to help the connectors engage).
5. Secure the 771 module in place by tightening the four domed-head screw fasteners on the front panel. Refit the 'blade' to the left of the PSU if it has been removed.
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 supplies are working within their voltage limits and the fans are operating. The 'FAULT' indicator should be off. If all the indicator lights remain off, remove the IEC mains cable and check the IEC mains inlet fuse has not blown (situated on the rear face of the rack, by the mains inlet). Replace only with a fuse of similar rating, as specified on the rear of the 770 rack.
8. Check the processor modules in the rack are functioning as expected.
9. Dispose of the old 771 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	21 x 13 x 6.2 cm 8.3 x 5.2 x 2.5" Designed for use in a MediaStar 770 rack only
WEIGHT	0.75 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 770 Rack Power Supply Unit
Product part numbers: 771

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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Head Office

Cabletime Ltd
64 Greenham Road
Newbury, Berkshire
RG14 7HX
United Kingdom

T: +44 1635 35111
E: sales@cabletime.com
www.cabletime.com

USA Office

Cabletime USA
100 Valley Road
Mt. Arlington
NJ 07856

T: 973 770 8070
E: usa@cabletime.com

Asia Office

Cabletime Asia
Room 2503, 25/F, Westin Centre
26 Hung To Road
Kwun Tong, Kowloon
Hong Kong

T: +852 3101 2650
E: asia@cabletime.com