

Quick Start Guide

> MediaStar Evolution 771 Rack Power Supply Module Replacement Guide

The 771 Power Supply Module is designed for use in the MediaStar Evolution 770 Rack unit only. It converts the electrical mains input voltage to the rack into the low voltage DC power that is used by the MediaStar Evolution processor modules 772, 773, 774 and 778. It also contains fans that provide cooling to the power supply module and the other processor modules in the rack.

These instructions provide guidance on how to swap out a faulty 771 module with a new unit. This task should only be carried out by a qualified electrician or other suitably qualified personnel.

What's in the box

- 771 DVB/Encoder Power supply module
- Screw Set



Important Safety Instructions

This replacement procedure involves potential exposure to hazardous mains voltages, and should only be carried out by a qualified electrician or other suitably qualified personnel.

Ensure that the IEC mains input cable is removed from the rear of the rack before starting work.

Read these instructions fully before starting, and ensure you understand their meaning.

Electrical static discharge precautions should be taken when handling the 771 PSU module.

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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 Evolution 770 Rack Installation Guide' (part number 200-2320). If this document is not available on site, a copy can be obtained by contacting Cabletime or downloading the document from www.cabletime.com.
2. Remove the IEC mains cable from the rear of the rack. This will power down the entire rack and stop the output from all the installed processor modules.
3. Unscrew the four cross head screws on the front panel of the power supply module, and carefully 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 on both sides of the module's metal sides into the plastic rack slides, and gently push the module in.
5. Secure the new 771 module in place by inserting the four new screws (supplied) in the front panel and tighten them with a (No. 2) cross head screwdriver. Refit the processor module to the left of the PSU if it has been removed.
6. Re-insert the IEC mains power cable. On the front of the PSU module the '12V' and '5V' indicator leds should come on and the 'Fan Warning' led should remain off, indicating the power supply and fans are functioning normally.

If all the leds remain off, then remove the mains cable and check the IEC mains inlet fuse has not blown. Replace only with a fuse of similar rating, as defined on the rear of the 770 rack.

If the 'Fan Warning' led is lit on the front of the 771 module, then one or both of the ventilation fans are not revolving. In this case, clear any obstructions preventing the fans from turning, or replace the 771 module.

7. Check the processor modules in the rack are functioning as expected.
8. Dispose of the old 771 PSU module in an appropriate manner. The old module is classified as electrical waste and should not be disposed of with household waste.

Correct Disposal of this product

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



Technical Specifications

Power Input	100 – 240 VAC maximum 2.2 – 1A 47 - 63 Hz 200 watts via IEC Mains connector
Dimensions	21 x 13 x 6.2 cm Designed for use in a MediaStar Evolution 770 Rack only
Weight	0.75 Kg
Environmental	0 – 40° C ambient 770 Rack temperature
Approvals	FCC Part 15, CE, CB

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> Regulatory Requirement Notices

EUROPE



Cabletime Limited declare that the products described in this manual conform to the requirements of the following Directives:

- 2004/108/EC EMC Directive
- 2006/95/EC Low Voltage Directive

THE STANDARDS APPLIED ARE:

EN55022:2006	Information technology equipment. Radio disturbance characteristics
EN61000-3-2:2006	Electromagnetic compatibility (EMC). Limits for harmonic current emissions
EN61000-3-3:2008	Electromagnetic compatibility (EMC). Limits. Limitations of voltage changes, voltage fluctuations and flicker
EN61000-6-1:2001	Electromagnetic compatibility (EMC) Part 6-1 Immunity
EN60950-1:2006 + A11:2009	Information technology equipment. Safety General requirements
IEC60950-1:2005	Specification for safety of information technology equipment, including electrical business equipment, with CB variations for US, Canada, Japan, and Australia

UNITED STATES OF AMERICA

Cabletime Limited declare 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.

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