Perle MCR200

Installation Guide

Introduction

The Perle MCR200 Chassis is a 2 slot chassis able to accommodate up to 2 Perle Media Converter modules or 1 Media Converter Module and an MCR-MGT management Module**.**

Overview

This guide provides an overview of instructions necessary for the installation and operation of the MCR200 chassis. More detailed information is included with the Media Converter modules or with the management card or this information can be found on the website**:**

http://www.perle.com/

Getting to know the MCR200

Unpacking

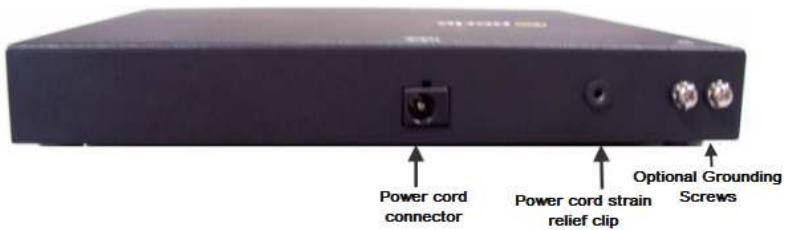The MCR200 shipping contents consist of the following items:

- MCR200 - Two slot chassis
- Grounding screws (for improved chassis grounding)
- Country specific power adapter
- Power cord strain relief clip
- Rubber feet (for desktop installation)
- Installation guide (this guide)

Front and Rear Panel Components

Front View (with modules installed)

Rear View

Powering up the MCR200

Note: The MCR200 should always be grounded for safe and proper operation. See Grounding the MCR200 Chassis

1. Install desired Perle modules following the instructions in this guide or those supplied with the Module.

2. Using the Perle supplied power adapter, plug the power cord into the power cord connector at the rear of the chassis.

3. Plug the other end of the power adapter into an appropriate power outlet.

Installing or Removing Modules:

Caution: Observe electrostatic discharge precautions when installing or removing the Module(s) from the Chassis. Failure to observe this caution could result in damage to the Module(s) and/or chassis.

Installing:

1. If installing or replacing a Media Converter Module, remove the Module from its packaging.

2. Using a cross-head screwdriver, remove the screw holding the face plate (if installed), on the chassis, to reveal the slot opening.

3. Set the Module's DIP switches to the desired operating mode (refer to the Installation Guide that came with the Media Converter Module).

4. Locate the alignment guides inside the slot.

5. Using the alignment guides gently slide the module into the slot until it becomes flush with the front of the chassis. Light pressure may be needed to seat it properly, however not force the module as this may cause damage to the connector pins. If there is resistance, remove the module and check both connectors for any damage, before re-attempting.

6. Tighten the Captive retainer screw to ensure the module is locked in place.

   Note: An open slot in the chassis should be covered with the supplied face plate (available as an accessory).

Removing:

1. Loosen the Captive retainer screw on the front of the module and gently pull it towards you.

2. Once remove you will have access to any jumpers or DIP switches on the Module that may need to be set.

3. If not re-inserting or replacing the Media Converter or management Module then cover the opening slot with a face plate and secure the screw.

Note: Blanking face plates are available as an accessory.

Captive
retainer screw

Grounding the MCR200 Chassis (Optional)

If your installation requires additional grounding the following procedure can be followed.

Grounding the chassis requires the following items:

- One grounding lug (not provided)

- One 18 - 12 AWG wire (not provided)

- Cross-head screwdriver (not provided)

Note: For your safety, when installing this equipment, always ensure that the chassis ground connection is installed first and disconnected last.

Attaching the Grounding Lug

1. Attach the grounding lug to one end of an 18-12 AWG wire.

2. Attach the grounding lug to the chassis and secure with the grounding screw(s).

Attaching the Power Cord Strain Relief Clip

1. Feed the power cord through the opening in the power cord relief clip.

2. Attach the power cord relief clip to the chassis and secure with the provided screw.

3. Plug the power cord into the AC power connector at the rear of the chassis.

4. Plug the other end of the power cord into an appropriate power outlet.

Technical Specifications

Max Power Input/Consumption: 12 VDC/12 Watts

Operating Temperature:	**0℃ - 50℃ (32℉ - 122℉)**
Storage Temperature:	**-25℃ - 70℃ (-13℉ - 158℉)**
Operating Humidity:	**5% to 90% non-condensing**
Storage Humidity:	**5% to 95% non-condensing**
Operating Altitude:	**Up to 3,048 m (10,000 ft)**
Weight without modules:	**0.566 kg (1.25 Lbs.)**
Dimensions	**175 mm 145 mm by 23 m**
	6.9" in. by 5.7" in. by .90" in.

Compliance Information

FCC

This product has been found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. 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 instructions in this Guide, 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/her own expense.

EN 55022 Class A

WARNING This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

EN 55024 Class A

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WARNING: Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

Warranty / Registration

Perle's Systems Ltd. standard Lifetime Warranty provides customers with return to factory repairs for Perle products that fail under the conditions of the warranty coverage. Details can be found at:

http://www.perle.com/support_services/warranty.shtml

Contacting Technical Support

Contact information for the Perle Technical Assistance Center (PTAC) can be found at the link below. A Technical Support Query may be made via this web page.

www.perle.com/support_services/support_request.shtml

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