



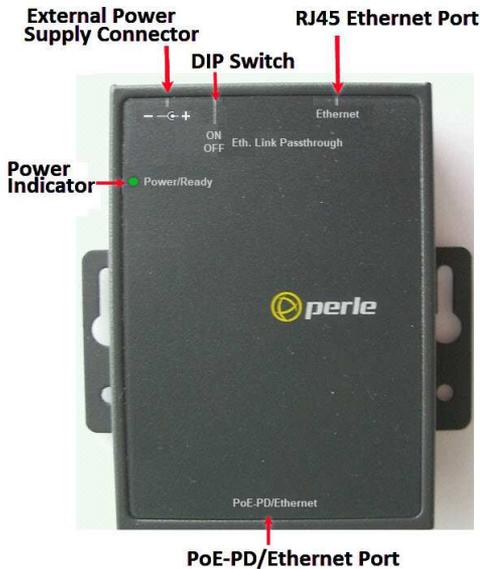
Perle eR-S1110 Ethernet Repeater Quick Start Guide

This document contains instructions necessary for the installation and operation of the Perle 10/100/1000 Ethernet Repeater. This Ethernet Repeater enables Ethernet communications to be extended by an additional 100m with no signal degradation. Power can be supplied by the included power adapter or from a PoE (PSE) connection.

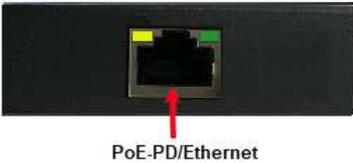
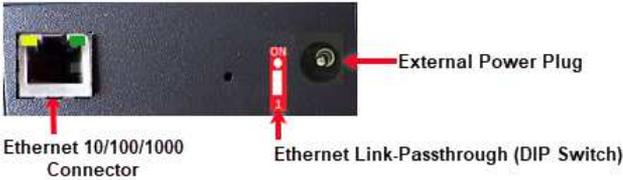
What's in the Box?

- ✓ The Perle eR-S1110 Ethernet Repeater
- ✓ External power supply
- ✓ A Quick Start Guide (this document)
- ✓ Strain relief strap and rubber feet
- ✓ Wall mount brackets

Hardware Overview



Front and Back View of Ethernet Repeater



Connecting Power

Power to the Ethernet Repeater can be provided by:

- 9-30v DC adapter via barrel connector
- PSE providing power to the Ethernet Repeater.

Power On Cycle

When the power is connected to the Ethernet Repeater, the Power/Ready LED will cycle through several sequences and will end in a solid green once the unit is fully booted.

LED Guide

Power/Ready

- **Green Solid**—System Ready
- **Flashing**—System is booting
- **Green slow flashing 3 seconds/then reboots**—Hardware error

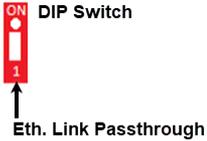
Link 10/100/1000

- **Green**—1000 Mbps (flashes with activity)
- **Amber/Green**—100 Mbps (flashes with activity)
- **Amber**—10 Mbps (flashes with activity)

Link 10/100/1000

- **Amber/Green**—both LEDs slow blinking on the port means that Ethernet Link Passthrough is enabled and this port's Ethernet is detected, but the peer port's Ethernet is down.

DIP Switch



Eth Link Passthrough (Switch 1)

Switch Position	Mode
Up (default)	Eth Link-Passthrough
Down	Standard

Eth. Link Passthrough—When the Eth Link Passthrough Mode switch is Up (default), each port will reflect the state of its port peer. In this mode, if a link loss is detected on one port, the transmit signal on the other port is disabled “passing through” the state of the failed link. This enables managed switches and other devices to report link failures to their network NMS.

Standard—When the switch is in the Down position, Eth Link Passthrough is disabled. If a link loss is detected on one port, the transmit signal remains enabled on the other port.

Connecting Ethernet

Connect the network to the Ethernet ports using Cat5e ethernet cables. The Ethernet Repeater supports auto MDX/MDIX.

Ethernet Copper Cabling Requirements:

- Category 5e UTP or STP
- Straight through or Ethernet crossover

RJ-45 Connector



Warranty / Registration

Details can be found at:

www.perle.com/support_services/warranty_reg.asp

Registering the Ethernet Repeater

You should register your Ethernet Repeater online at:

www.perle.com/support_services/warranty_reg.asp

Contacting Technical Support

Contact information for the Perle Technical Assistance Center (PTAC) can be found at the link below.

www.perle.com/support_services/support_request.shtm

Technical Specifications

Power Input	9-30 v DC via barrel connector (5.5m x 9.5mm x 2.1 mm) PoE capable (PD) as per 802.3at PD specifications
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-10°C to 50°C (14°F to 122°F)
Operating Humidity	5% to 90% non-condensing
Storage Humidity	5% to 95% non-condensing
Operating Altitude	Up to 3,048 m (10,000 ft)
Safety	UL/ULC/EN 62368-1 CE Mark
Emissions	FCC 47 Part 15 Class A EN55032 (CISPR32) EN61000-6-4 EN55024 -CISRP24 EN6100-4-2 (ESD): Contact EN61000-4-3 (RS) EN610004-4 (EFT) EN61000-4-5 (Surge): EN61000-4-6 (CS) EN 61000-4-8 (PFMF) EN 61000-4-11 EN61000-4-16



Risk of injury- When unit is wall-mounted/installed at more than 2m height. Refer to Installation instructions for details.

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