

Gigabit PoE++ Splitter Quick Start

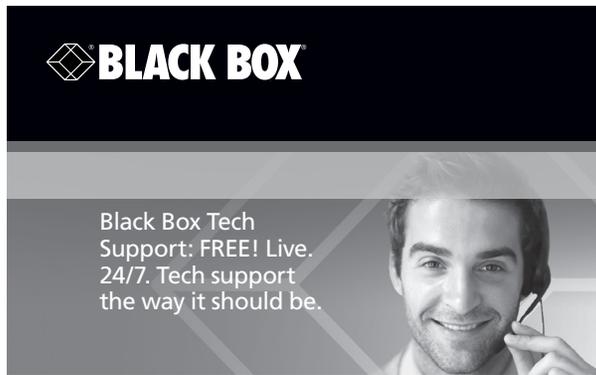
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AND
INDUSTRY CANADA
RADIO FREQUENCY INTERFERENCE STATEMENTS

This equipment generates, uses, and can radiate radio-frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio communication. It has been tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at his own expense will be required to take whatever measures may be necessary to correct the interference.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This digital apparatus does not exceed the Class A limits for radio noise emission from digital apparatus set out in the Radio Interference Regulation of Industry Canada.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique publié par Industrie Canada.



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Mailing address:
Black Box Corporation
1000 Park Drive
Lawrence, PA 15055-1018

Web site: www.blackbox.com

E-mail: info@blackbox.com

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LPS2012, rev. 1



BLACK BOX LPS2012 LPS2024

Gigabit PoE++ Splitter

Supports high-power PoE devices (access points or PTZ cameras).

Complies with LTPoE++ standard.



1. Specifications

Approvals	FCC Class A, CE
Standards	LTPoE++, IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3 af PoE, IEEE 802.3at PoE+
Interface	Input: (1) PD input (data + power) port Output: (1) Ethernet data port + DC output
Connectors	(2) RJ-45 10/100/1000-Mbps
Environment	Temperature Tolerance: Operating: (0 to 40° C); Storage: (-20 to +90° C); Relative Humidity: 10 to 90%, noncondensing
Power	PoE Power Input: LTPoE++ compliant (proprietary PoE technology); Power Output: LPS2012: 12 V / 6.4 A, LPS2014: 24 V / 3.2 A; Power Output Connector: DC jack, terminal block; Power Consumption: 90 watts
Dimensions	0.94"H x 5.1"W x 2.95"D (2.4 x 13 x 7.5 cm)
Weight	0.7 lb. (0.3 kg)

2. Overview

2.1 Introduction

The Gigabit PoE++ Splitter has one Gigabit data + power input port and one Gigabit data output port (LTPoE++ PoE). The splitter supports high-power PoE devices such as access points or PTZ cameras. The splitter can receive up to 90 W power from an LTPoE++ switch or injector. The LPS2012 provides 12 VDC and the LPS2024 provides 24 VDC power output over existing CAT5 cable to a device with an Ethernet port.

2.2 Features

- (1) RJ-45 10/100/1000-Mbps Data + Power Input port
- (1) RJ-45 10/100/1000-Mbps Data Output port
- Complies with LTPoE++
- Up to 90 W input
- Power Output Voltage:
LPS2012: 12 V
LPS2024: 24 V
- Smart Plug and Play

2.3 What's Included

Before you install this PoE++ splitter, verify that your package contains the following items:

- One PoE++ Splitter
- This Quick Installation Guide

NOTE: If anything is missing or damaged, contact Black Box Technical Support at 724-746-5500 or info@blackbox.com.

3. Installation

1. Using twisted-pair cable, connect the twisted-pair (TP) input port on the splitter to the PSE port on the PoE switch or power injector hub.
2. Using twisted-pair cable, connect the TP output port on the splitter to the TP port on client devices (for example, SOHO switches, wireless access points [AP]).
3. Using copper power cable, connect the terminal block power output port on the splitter to the client devices. LPS2012 supplies 12 VDC to the client device, and LPS2024 supplies 24 VDC to the client devices.

4. Operation

Smart plug-and-play LED indicators

Indicator	Status	Description
Power LED	ON	Power is ON and ready to connect to the Powered Device (PD).
	OFF	Power is OFF.