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› PoE Texas 60 Watt PoE Injector (BT-1-55V60W-IN-FBA) Instruction Manual

PoE Texas BT-1-55V60W-IN-FBA

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Model: BT-1-55V60W-IN-FBA | Brand: PoE Texas

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PoE Texas 60 watt PoE Injector. This device is designed to upgrade your network to support IEEE 802.3bt (60 watts of power per line) for higher power devices, without requiring a new PoE switch. It delivers 4-pair PoE++ with active negotiation to prevent accidental overpowering, ensuring secure and efficient power delivery.



Figure 1: Front view of the PoE Texas 60 Watt PoE Injector, showing its compact design.

FEATURES

- **IEEE 802.3bt (60 watts) Upgrade:** Enables support for higher power devices without replacing existing PoE switches.
- **Dual Signature Active PoE:** Provides secure 55 volt, 60 watt output with 4-pair PoE++ and active negotiation to prevent accidental overpowering.
- **Versatile Power Applications:** Powers USB-C docks, indoor PTZ IP Cameras, Desktop Computers, Laptops, WiFi Access Points, LED Lighting, Base Stations, Door Locks, Display POS, and Kiosks.
- **Gigabit Data Transmission:** Supports 10/100/1000 Gigabit data speeds with no signal loss.
- **Broad Compatibility:** Compatible with PoE (Type 1), PoE+ (Type 2), and PoE++ (Type 3) standards.
- **UL Listed:** Ensures product safety and compliance.
- **Plug and Play:** Designed for easy installation and immediate use.

4-Pair Single Port PoE Injector



Instantly upgrade any switch to UPoE or PoE++



Figure 2: The PoE Injector showing the LAN and PoE ports for data and power connections.

PACKAGE CONTENTS

Upon opening the package, verify that all items listed below are present and in good condition:

- PoE Texas 60 Watt PoE Injector with Mounting Tabs
- AC Power Cable

55 Volt, 60 Watt Power for:



- USB-C Docks
- PTZ IP camera
- Desktop computer
- High end WAP
- LED Lighting
- Kiosk POS

Figure 3: Side view of the PoE Injector, highlighting the AC power input port.

SETUP AND INSTALLATION

The PoE Texas 60 Watt PoE Injector is designed for flexible installation. It can be mounted on various surfaces using appropriate fasteners or adhesive strips.

Required Supplies for Mounting

- For Mounting on Plywood or Sheet Metal: #6 x 1/2" self-drilling screws
- For Mounting on Drywall: #6 self-drilling drywall anchors
- Appropriate driver for your chosen screws (e.g., screwdriver or drill)
- *Optional:* 3M Command Strips and cable ties for alternative or additional securing.

Mounting Instructions

Follow these steps to mount your PoE Injector:

1. Identify a suitable mounting location near your network equipment and power outlet.
2. Position the PoE Injector against the desired surface. Use the mounting tabs on the device to mark the screw locations.
3. For plywood or sheet metal, drill pilot holes if necessary, then secure the injector using #6 x 1/2" self-drilling screws.
4. For drywall, install #6 self-drilling drywall anchors at the marked locations. Then, secure the injector using screws into the anchors.
5. Alternatively, or for temporary mounting, apply 3M Command Strips to the back of the injector and firmly press it against the surface. Use cable ties to manage cables and provide additional support if desired.

Your browser does not support the video tag.

Video 1: Detailed instructions on mounting the PoE Texas 60 Watt Power Supply to various surfaces, including plywood and drywall.

OPERATION

Once the PoE Injector is securely mounted and connected to power, follow these steps for operation:

1. Connect an Ethernet cable from your network switch or router to the **LAN** port on the PoE Injector.
2. Connect another Ethernet cable from the **PoE** port on the injector to your PoE-compatible device (e.g., IP camera, access point).
3. Ensure the AC power cable is securely connected to the injector and a power outlet. The injector will automatically detect the connected PoE device and negotiate the appropriate power level.
4. Verify that your PoE device powers on and functions correctly. The injector's indicator lights will typically show power and active data/PoE status.

Your browser does not support the video tag.

Video 2: An overview of single port PoE injectors, demonstrating their function and application in a network setup.

SPECIFICATIONS

Attribute	Value
Product Dimensions	5.75 x 2.63 x 1.5 inches
Item Weight	15.2 ounces
Item Model Number	BT-1-55V60W-IN-FBA
Brand	PoE Texas
Hardware Interface	Ethernet, USB Type C
Compatible Devices	Desktop, Laptop (and other PoE-compatible devices)
Data Link Protocol	Ethernet, IEEE 802.3
Data Transfer Rate	1000 Gigabits Per Second
UPC	696305322864

- Power for a single device up to 60w
- 10/100/1000 Gigabit Data Capability
- Wall mount tabs
- Delivers power 328 ft (100m) from injector site
- UL Listed

WARRANTY AND SUPPORT

For expert technical assistance, please contact PoE Texas support at [512 479 0317](tel:5124790317). Support is available from Austin, Texas.

Name

Anonymous

Email

you@example.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question