USB SuperBooster Transmitter Dongle

Part #29348

User Manual

Introduction

Thank you for purchasing the USB SuperBooster Transmitter Dongle. The USB SuperBooster Transmitter Dongle is one component of a complete solution that, when paired with a receiver (sold separately) allows you to conquer USB length limitations and put your USB devices where you need them. This wall plate solution extends the distance of a USB device to a host computer up to 150ft so you can place your USB projector, camera, printer, or other USB device exactly where you want it! The USB SuperBooster Dongle is powerful yet simple, with no drivers to install or special software required. It is also compatible with any computer that supports USB.

This plug-and-play device consists of a transmitter unit and receiver unit incorporated into single gang Decora compatible wall plates or dongles. Numerous receiver options are available so you can customize the configuration to meet your own needs. Choose from a two-port wall plate receiver, a two-port dongle receiver, or a four-port dongle receiver. These options are ideal for applications where you need more than one USB device on the receiver side or you need a dongle instead of a wall plate on the receiver side.

The transmitter/receiver pair is connected via standard Cat5, Cat5E, or Cat6 UTP cable allowing for easy installation.   This makes for a clean, finished installation important for home owners, classrooms, offices and anywhere you don't want visible cables lying around.   Use pre-terminated network cables or pull un-terminated cable and use the included tool-less IDC RJ45 connector. The USB SuperBooster Dongle is bus-powered so no external power source is required.

Features

- Extends the distance of a USB device from a USB-enabled computer up to 150ft
- One part of a total solution- receiver is purchased separately giving you the flexibility to customize the configuration to your specific needs
- Receiver options include a 2-port wall plate (part #29345), a 2-port dongle (part # 29346), or a 4-port dongle (part #29347)
- Ideal for use with USB projectors, interactive whiteboards, cameras, printers, web cams, hubs, and other USB devices
- Bus-powered so no external power source is required
- Uses standard Cat5/Cat5E/Cat6 patch cord (not included) for ease of use and flexibility
- Included tool-less IDC RJ45 connector allows you to terminate your own cable
- Compliant with USB Specification 1.1
- Connectors:

  - Transmitter: USB Type A Male; RJ45 Female
  - Receiver (sold separately): USB Type A Female; RJ45 Female

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Package Contents

- USB SuperBooster Dongle- Transmitter Unit
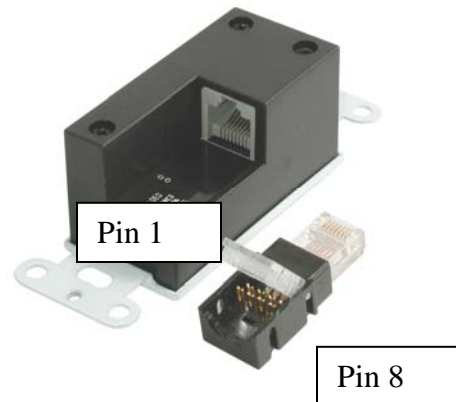- (1) One RJ45 tool-less IDC connector
- User Guide

Installing your USB SuperBooster Dongle

The USB SuperBooster solution has a transmitter unit and a receiver unit (sold separately). **Make certain you install the transmitter unit at your computer or source side. The receiver unit needs to be installed on the device side.**

1) Connect the Transmitter unit to your source/computer
2) Install the Wall Plate Receiver unit in a standard J-box where you want your USB device or connect the Dongle Receiver to your device
3) Use a pre-terminated Cat5/Cat5E/Cat6 cable (recommended) or terminate your own cable using the tool-less RJ45 connectors included to connect the transmitter and receiver together (see below for instructions on terminating your own cable)
4) If using a Wall Plate Receiver, plug your device into the receiver end (USB A side) using a standard A/B (or A/Mini-B) USB cable (the green LED will light to indicate you have a good connection to the wall plate)
5) Turn your computer/source on and begin using your device

Terminating a Cat5/Cat5E/Cat6 Cable Using the Tool-less IDC

1) Open the plug by lifting the clear plastic end
2) Pin 1 of the connector is on the left side of the clear plastic shell while Pin 8 is on the right side of the connector (with RJ45 connector facing away from you)
3) Thread the white/orange conductor on your Cat5/5E/6 cable into Pin 1
4) Thread the orange conductor on your Cat5/5E/6 cable into Pin 2
5) Thread the white/green conductor on your Cat5/5E/6 cable into Pin 3
6) Thread the blue conductor on your Cat5/5E/6 cable into Pin 4
7) Thread the white/blue conductor on your Cat5/5E/6 cable into Pin 5
8) Thread the green conductor on your Cat5/5E/6 cable into Pin 6
9) Thread the white/brown conductor on your Cat5/5E/6 cable into Pin 7

10) Thread the brown conductor on your Cat5/5E/6 cable into Pin 8
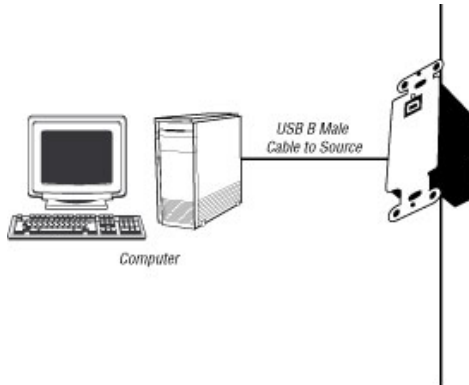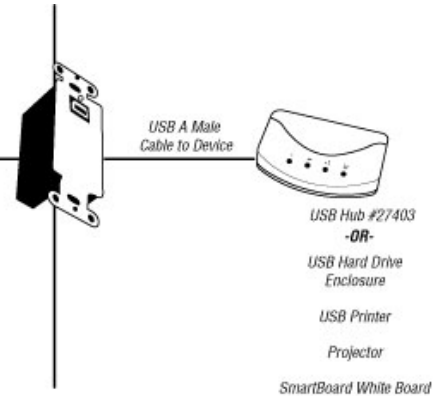11) Repeat steps 1-10 to terminate the other end of your Cat5/5E/6 cable

Pin 1

Pin 8

Termination Chart

Pin Number	Network (Cat5/5E/6) Conductor Color
1	white/orange
2	orange
3	White/green
4	Blue
5	White/blue
6	Green
7	White/brown
8	brown

Application Diagram

Transmitter   **Receiver**

USB B Male
Cable to Source

RJ45 CAT 5 Cable

USB A Male
Cable to Device

Computer

USB Hub #27403
-OR-
USB Hard Drive
Enclosure

USB Printer

Projector

SmartBoard White Board